TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-59386-1

Job Description: Mt Kisco

Sampling Event: Sewer Limits - Surface Water

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

Attention: Mr. Mark Williams

Approved for release.
Anne Pridgeon
Project Management Assistant I
5/21/2014 3:57 PM

Designee for
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05/21/2014

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Job Narrative
480-59386-1

Comments
No additional comments.

Receipt
The samples were received on 5/7/2014 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 2.4º C, 2.7º C and 2.8º C.

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

GC/MS Semi VOA
Method 625: The continuing calibration verification (CCV) associated with batch 180910 recovered above the upper control limit for Dibenz(a,h)anthracene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-180910/6).

Method 625: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 180801 recovered outside control limits for the following analyte: Benzidine. The recovery for this analyte was within quality control acceptance limits, therefore the data has been reported.

No other analytical or quality issues were noted.

GC Semi VOA
Method 608: All primary data is reported from the ZB-5 column.

Method 608: For the method 608, the initial calibration criteria is based upon the total Aroclor value. The %RSD in some of the individual biphenyl peaks may exceed 10%, though the total Aroclor amount is still within method quality control criteria.

Method 608: The continuing calibration verification (CCV) associated with batch 181144 recovered above the upper control limit for Endrin. 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 480-181144/16).

Method 608: 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 608: All primary data is reported from the RTX-CLPII column.

Method 608: The method blank MB 480-180803/1-A contained the analytes 4,4'-DDD and delta-BHC above the method detection limit. These target analyte concentrations were less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

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

General Chemistry
Method 9040C: The following sample(s) was received outside of holding time: PT2-1(L) (480-59386-1).

No other analytical or quality issues were noted.

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 180803

Method 3510C: Insufficient sample volume was available to perform a matrix spike (MS) associated with batch 180802

Method 625: Insufficient sample volume was available to perform a matrix spike (MS) associated with batch 180801.

No other analytical or quality issues were noted.

SAMPLE SUMMARY

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-59386-1	PT2-1(L)	Water	05/06/2014 1445	05/07/2014 0900

EXECUTIVE SUMMARY - Detections

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-59386-1	**PT2-1(L)**					
alpha-BHC		0.012	J	0.047	ug/L	608
delta-BHC		0.0098	J B	0.047	ug/L	608
gamma-BHC (Lindane)		0.012	J	0.047	ug/L	608
Barium		0.025		0.0020	mg/L	6010C
Copper		0.0019	J	0.010	mg/L	6010C
Zinc		0.034		0.010	mg/L	6010C
Oil & Grease		2.7	J	5.0	mg/L	1664A
SGT-HEM		3.0	J	5.0	mg/L	1664A
pH		7.34	H	0.100	SU	9040C

METHOD SUMMARY

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL BUF	40CFR136A 624	
Organics, Total Toxic	TAL BUF	SW846 TTO	
Semivolatile Organic Compounds (GC/MS)	TAL BUF	40CFR136A 625	
Liquid-Liquid Extraction	TAL BUF		40CFR136A 625
Organochlorine Pesticides in Water	TAL BUF	40CFR136A 608	
Liquid-Liquid Extraction (Separatory Funnel)	TAL BUF		SW846 3510C
Polychlorinated Biphenyls (PCBs) (GC)	TAL BUF	40CFR136A 608	
Liquid-Liquid Extraction (Separatory Funnel)	TAL BUF		SW846 3510C
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
HEM and SGT-HEM	TAL BUF	1664A 1664A	
HEM and SGT-HEM (SPE)	TAL BUF		1664A 1664A
Cyanide, Total andor Amenable	TAL BUF	SW846 9012B	
Cyanide, Total and/or Amenable, Distillation	TAL BUF		SW846 9012B
pH	TAL BUF	SW846 9040C	
Phenolics, Total Recoverable	TAL BUF	SW846 9066	
Distillation, Phenolics	TAL BUF		Distill/Phenol

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

1664A = EPA-821-98-002

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 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: 480-59386-1

Method	Analyst	Analyst ID
40CFR136A 624	Brandt, Todd R	TRB
SW846 TTO	Giglia, Denise L	DLG
40CFR136A 625	McGovern, Anna N	ANM
40CFR136A 608	Michalek, Jason M	JMM
40CFR136A 608	Wolf, Leah M	LMW
SW846 6010C	Marler, Harrison J	HJM
SW846 7470A	Kasprzyk, Layne R	LRK
1664A 1664A	Leader, Michael D	MDL
SW846 9012B	Ferguson, Katelyn M	KMF
SW846 9040C	Sobol, Kevin	KS
SW846 9066	Hacic, Nicole C	NCH

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1
Client Matrix: Water

Date Sampled: 05/06/2014 1445
Date Received: 05/07/2014 0900

624 Volatile Organic Compounds (GC/MS)

Analysis Method:	624	Analysis Batch:	480-180671	Instrument ID:	HP5973R
	N/A	Prep Batch:	N/A	Lab File ID:	R8827.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/07/2014 1718			Final Weight/Volume:	5 mL
Prep Date:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.39	5.0
1,1,2,2-Tetrachloroethane	ND		0.26	5.0
1,1,2-Trichloroethane	ND		0.48	5.0
1,1-Dichloroethane	ND		0.59	5.0
1,1-Dichloroethene	ND		0.85	5.0
1,2-Dichlorobenzene	ND		0.44	5.0
1,2-Dichloroethane	ND		0.60	5.0
1,2-Dichloroethene, Total	ND		3.2	10
1,2-Dichloropropane	ND		0.61	5.0
1,3-Dichlorobenzene	ND		0.54	5.0
1,4-Dichlorobenzene	ND		0.51	5.0
2-Chloroethyl vinyl ether	ND		1.9	25
Acrolein	ND		17	100
Acrylonitrile	ND		1.9	50
Benzene	ND		0.60	5.0
Bromoform	ND		0.47	5.0
Bromomethane	ND		1.2	5.0
Carbon tetrachloride	ND		0.51	5.0
Chlorobenzene	ND		0.48	5.0
Chlorodibromomethane	ND		0.41	5.0
Chloroethane	ND		0.87	5.0
Chloroform	ND		0.54	5.0
Chloromethane	ND		0.64	5.0
cis-1,3-Dichloropropene	ND		0.33	5.0
Dichlorobromomethane	ND		0.54	5.0
Ethylbenzene	ND		0.46	5.0
Methylene Chloride	ND		0.81	5.0
Tetrachloroethene	ND		0.34	5.0
Toluene	ND		0.45	5.0
trans-1,2-Dichloroethene	ND		0.59	5.0
trans-1,3-Dichloropropene	ND		0.44	5.0
Trichloroethene	ND		0.60	5.0
Vinyl chloride	ND		0.75	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		72 - 130
4-Bromofluorobenzene (Surr)	104		69 - 121
Toluene-d8 (Surr)	92		70 - 123

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1
Client Matrix: Water

Date Sampled: 05/06/2014 1445
Date Received: 05/07/2014 0900

TTO Organics, Total Toxic

Analysis Method:	TTO	Analysis Batch:	480-181564	Instrument ID:	NOEQUIP
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	05/12/2014 1759			Final Weight/Volume:	
Prep Date:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Total Toxic Organics	ND		5.0	10

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1
Client Matrix: Water

Date Sampled: 05/06/2014 1445
Date Received: 05/07/2014 0900

625 Semivolatile Organic Compounds (GC/MS)

Analysis Method:	625	Analysis Batch:	480-181172	Instrument ID:	HP5973U
Prep Method:	625	Prep Batch:	480-180801	Lab File ID:	U5674.D
Dilution:	1.0			Initial Weight/Volume:	1053.5 mL
Analysis Date:	05/10/2014 0006			Final Weight/Volume:	1 mL
Prep Date:	05/08/2014 0653			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		0.47	9.5
1,2-Dichlorobenzene	ND		0.14	9.5
1,2-Diphenylhydrazine	ND		0.060	9.5
1,3-Dichlorobenzene	ND		0.065	9.5
1,4-Dichlorobenzene	ND		0.085	9.5
2,4,6-Trichlorophenol	ND		0.22	4.7
2,4-Dichlorophenol	ND		0.28	4.7
2,4-Dimethylphenol	ND		0.13	4.7
2,4-Dinitrophenol	ND		0.80	9.5
2,4-Dinitrotoluene	ND		0.25	4.7
2,6-Dinitrotoluene	ND		0.68	4.7
2-Chloronaphthalene	ND		0.064	4.7
2-Chlorophenol	ND		0.15	4.7
2-Nitrophenol	ND		0.14	4.7
3,3'-Dichlorobenzidine	ND		0.78	4.7
4,6-Dinitro-2-methylphenol	ND		0.72	9.5
4-Bromophenyl phenyl ether	ND		0.11	4.7
4-Chloro-3-methylphenol	ND		0.53	4.7
4-Chlorophenyl phenyl ether	ND		0.20	4.7
4-Nitrophenol	ND		1.3	9.5
Acenaphthene	ND		0.057	4.7
Acenaphthylene	ND		0.032	4.7
Anthracene	ND		0.050	4.7
Benzidine	ND	*	2.4	76
Benzo[a]anthracene	ND		0.041	4.7
Benzo[a]pyrene	ND		0.055	4.7
Benzo[b]fluoranthene	ND		0.058	4.7
Benzo[g,h,i]perylene	ND		0.095	4.7
Benzo[k]fluoranthene	ND		0.040	4.7
bis (2-chloroisopropyl) ether	ND		0.081	4.7
Bis(2-chloroethoxy)methane	ND		0.081	4.7
Bis(2-chloroethyl)ether	ND		1.0	4.7
Bis(2-ethylhexyl) phthalate	ND		0.82	9.5
Butyl benzyl phthalate	ND		1.2	4.7
Chrysene	ND		0.034	4.7
Dibenz(a,h)anthracene	ND		0.053	4.7
Diethyl phthalate	ND		0.16	4.7
Dimethyl phthalate	ND		0.16	4.7
Di-n-butyl phthalate	ND		0.89	4.7
Di-n-octyl phthalate	ND		4.2	4.7
Fluoranthene	ND		0.10	4.7
Fluorene	ND		0.041	4.7
Hexachlorobenzene	ND		0.26	4.7
Hexachlorobutadiene	ND		0.59	4.7
Hexachlorocyclopentadiene	ND		0.43	4.7
Hexachloroethane	ND		0.46	4.7

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1
Client Matrix: Water

Date Sampled: 05/06/2014 1445
Date Received: 05/07/2014 0900

625 Semivolatile Organic Compounds (GC/MS)

Analysis Method:	625	Analysis Batch:	480-181172	Instrument ID:	HP5973U
Prep Method:	625	Prep Batch:	480-180801	Lab File ID:	U5674.D
Dilution:	1.0			Initial Weight/Volume:	1053.5 mL
Analysis Date:	05/10/2014 0006			Final Weight/Volume:	1 mL
Prep Date:	05/08/2014 0653			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene	ND		0.18	4.7
Isophorone	ND		0.15	4.7
Naphthalene	ND		0.076	4.7
Nitrobenzene	ND		0.11	4.7
N-Nitrosodimethylamine	ND		0.91	9.5
N-Nitrosodi-n-propylamine	ND		0.22	4.7
N-Nitrosodiphenylamine	ND		0.38	4.7
Pentachlorophenol	ND		0.39	9.5
Phenanthrene	ND		0.067	4.7
Phenol	ND		0.11	4.7
Pyrene	ND		0.039	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	96		52 - 151
2-Fluorobiphenyl	87		44 - 120
2-Fluorophenol	45		17 - 120
Nitrobenzene-d5	83		42 - 120
Phenol-d5	32		10 - 120
p-Terphenyl-d14	107		22 - 125

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1
Client Matrix: Water

Date Sampled: 05/06/2014 1445
Date Received: 05/07/2014 0900

608 Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	608	Analysis Batch:	480-181106	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-180802	Initial Weight/Volume:	1054.4 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/09/2014 1342			Injection Volume:	1 uL
Prep Date:	05/08/2014 0702			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.029	0.057
PCB-1260	ND		0.029	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	43		10 - 158
Tetrachloro-m-xylene	83		25 - 151

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1
Client Matrix: Water

Date Sampled: 05/06/2014 1445
Date Received: 05/07/2014 0900

608 Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	608	Analysis Batch:	480-181106	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-180802	Initial Weight/Volume:	1054.4 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/09/2014 1342			Injection Volume:	1 uL
Prep Date:	05/08/2014 0702			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	53		10 - 158
Tetrachloro-m-xylene	101		25 - 151

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1
Client Matrix: Water

Date Sampled: 05/06/2014 1445
Date Received: 05/07/2014 0900

608 Organochlorine Pesticides in Water

Analysis Method:	608	Analysis Batch:	480-181144	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-180803	Initial Weight/Volume:	1053 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/09/2014 1536			Injection Volume:	1 uL
Prep Date:	05/08/2014 0712			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0087	0.047
4,4'-DDE	ND		0.011	0.047
4,4'-DDT	ND		0.010	0.047
Aldrin	ND		0.0063	0.047
alpha-BHC	0.012	J	0.0063	0.047
beta-BHC	ND		0.024	0.047
Chlordane (technical)	ND		0.28	0.47
delta-BHC	0.0098	J B	0.0095	0.047
Dieldrin	ND		0.0093	0.047
Endosulfan I	ND		0.010	0.047
Endosulfan II	ND		0.011	0.047
Endosulfan sulfate	ND		0.015	0.047
Endrin	ND		0.013	0.047
Endrin aldehyde	ND		0.015	0.047
gamma-BHC (Lindane)	0.012	J	0.0057	0.047
Heptachlor	ND		0.0081	0.047
Heptachlor epoxide	ND		0.0050	0.047
Toxaphene	ND		0.11	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	60		23 - 120
Tetrachloro-m-xylene	78		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1
Client Matrix: Water

Date Sampled: 05/06/2014 1445
Date Received: 05/07/2014 0900

608 Organochlorine Pesticides in Water

Analysis Method:	608	Analysis Batch:	480-181144	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-180803	Initial Weight/Volume:	1053 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/09/2014 1536			Injection Volume:	1 uL
Prep Date:	05/08/2014 0712			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	43		23 - 120
Tetrachloro-m-xylene	61		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1
Client Matrix: Water

Date Sampled: 05/06/2014 1445
Date Received: 05/07/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-181075	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-180820	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/08/2014 1724			Final Weight/Volume:	50 mL
Prep Date:	05/08/2014 1000				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	ND		0.0056	0.015
Barium	0.025		0.00070	0.0020
Cadmium	ND		0.00050	0.0020
Chromium	ND		0.0010	0.0040
Copper	0.0019	J	0.0016	0.010
Lead	ND		0.0030	0.010
Nickel	ND		0.0013	0.010
Selenium	ND		0.0087	0.025
Silver	ND		0.0017	0.0060
Zinc	0.034		0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-181531	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-181210	Lab File ID:	H05124W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	05/12/2014 1404			Final Weight/Volume:	50 mL
Prep Date:	05/12/2014 0835				

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

General Chemistry

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1 Date Sampled: 05/06/2014 1445
Client Matrix: Water Date Received: 05/07/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Oil & Grease	2.7	J	mg/L	1.4	5.0	1.0	1664A
Analysis Batch: 480-182052	Analysis Date: 05/14/2014 1404						
Prep Batch: 480-182034	Prep Date: 05/14/2014 1309						
SGT-HEM	3.0	J	mg/L	1.9	5.0	1.0	1664A
Analysis Batch: 480-182052	Analysis Date: 05/14/2014 1404						
Prep Batch: 480-182034	Prep Date: 05/14/2014 1309						
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012B
Analysis Batch: 480-181344	Analysis Date: 05/10/2014 1237						
Prep Batch: 480-181299	Prep Date: 05/09/2014 2122						
Phenolics, Total Recoverable	ND		mg/L	0.0050	0.010	1.0	9066
Analysis Batch: 480-181733	Analysis Date: 05/13/2014 0957						
Prep Batch: 480-181010	Prep Date: 05/08/2014 1332						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	7.34	H	SU	0.100	0.100	1.0	9040C
Analysis Batch: 480-180781	Analysis Date: 05/08/2014 0204						

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Surrogate Recovery Report

624 Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-59386-1	PT2-1(L)	105	92	104
MB 480-180671/6		105	90	104
LCS 480-180671/5		101	93	104

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	72-130
TOL = Toluene-d8 (Surr)	70-123
BFB = 4-Bromofluorobenzene (Surr)	69-121

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Surrogate Recovery Report

625 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
480-59386-1	PT2-1(L)	45	32	83	87	96	107
MB 480-180801/1-A		45	32	75	83	83	112
LCS 480-180801/2-A		44	33	75	90	109	122
LCSD 480-180801/3-A		44	32	76	89	108	119

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	17-120
PHL = Phenol-d5	10-120
NBZ = Nitrobenzene-d5	42-120
FBP = 2-Fluorobiphenyl	44-120
TBP = 2,4,6-Tribromophenol	52-151
TPH = p-Terphenyl-d14	22-125

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Surrogate Recovery Report

608 Polychlorinated Biphenyls (PCBs) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
480-59386-1	PT2-1(L)	83	101	43	53
MB 480-180802/1-A		95	128	75	80
LCS 480-180802/2-A		98	121	61	72
LCSD 480-180802/3-A		93	120	61	72

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	25-151
DCB = DCB Decachlorobiphenyl	10-158

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Surrogate Recovery Report

608 Organochlorine Pesticides in Water

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
480-59386-1	PT2-1(L)	61	78	43	60
MB 480-180803/1-A		66	82	49	63
LCS 480-180803/2-A		72	87	63	72
LCSD 480-180803/3-A		74	90	34	64

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	36-120
DCB = DCB Decachlorobiphenyl	23-120

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Method Blank - Batch: 480-180671

Method: 624
Preparation: N/A

Lab Sample ID:	MB 480-180671/6	Analysis Batch:	480-180671	Instrument ID:	HP5973R
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	R8821.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/07/2014 1441	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.39	5.0
1,1,2,2-Tetrachloroethane	ND		0.26	5.0
1,1,2-Trichloroethane	ND		0.48	5.0
1,1-Dichloroethane	ND		0.59	5.0
1,1-Dichloroethene	ND		0.85	5.0
1,2-Dichlorobenzene	ND		0.44	5.0
1,2-Dichloroethane	ND		0.60	5.0
1,2-Dichloroethene, Total	ND		3.2	10
1,2-Dichloropropane	ND		0.61	5.0
1,3-Dichlorobenzene	ND		0.54	5.0
1,4-Dichlorobenzene	ND		0.51	5.0
2-Chloroethyl vinyl ether	ND		1.9	25
Acrolein	ND		17	100
Acrylonitrile	ND		1.9	50
Benzene	ND		0.60	5.0
Bromoform	ND		0.47	5.0
Bromomethane	ND		1.2	5.0
Carbon tetrachloride	ND		0.51	5.0
Chlorobenzene	ND		0.48	5.0
Chlorodibromomethane	ND		0.41	5.0
Chloroethane	ND		0.87	5.0
Chloroform	ND		0.54	5.0
Chloromethane	ND		0.64	5.0
cis-1,3-Dichloropropene	ND		0.33	5.0
Dichlorobromomethane	ND		0.54	5.0
Ethylbenzene	ND		0.46	5.0
Methylene Chloride	ND		0.81	5.0
Tetrachloroethene	ND		0.34	5.0
Toluene	ND		0.45	5.0
trans-1,2-Dichloroethene	ND		0.59	5.0
trans-1,3-Dichloropropene	ND		0.44	5.0
Trichloroethene	ND		0.60	5.0
Vinyl chloride	ND		0.75	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	72 - 130
4-Bromofluorobenzene (Surr)	104	69 - 121
Toluene-d8 (Surr)	90	70 - 123

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Lab Control Sample - Batch: 480-180671

Method: 624
Preparation: N/A

Lab Sample ID:	LCS 480-180671/5	Analysis Batch:	480-180671	Instrument ID:	HP5973R
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	R8820.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/07/2014 1417	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	23.4	117	52 - 162	
1,1,2,2-Tetrachloroethane	20.0	18.5	92	46 - 157	
1,1,2-Trichloroethane	20.0	19.0	95	52 - 150	
1,1-Dichloroethane	20.0	23.1	115	59 - 155	
1,1-Dichloroethene	20.0	23.5	118	1 - 234	
1,2-Dichlorobenzene	20.0	18.2	91	18 - 190	
1,2-Dichloroethane	20.0	23.4	117	49 - 155	
1,2-Dichloropropane	20.0	22.6	113	1 - 210	
1,3-Dichlorobenzene	20.0	18.0	90	59 - 156	
1,4-Dichlorobenzene	20.0	18.3	91	18 - 190	
2-Chloroethyl vinyl ether	20.0	21.6	108	1 - 305	J
Benzene	20.0	23.1	115	37 - 151	
Bromoform	20.0	15.2	76	45 - 169	
Bromomethane	20.0	25.1	126	1 - 242	
Carbon tetrachloride	20.0	23.0	115	70 - 140	
Chlorobenzene	20.0	19.6	98	37 - 160	
Chlorodibromomethane	20.0	17.8	89	53 - 149	
Chloroethane	20.0	24.6	123	14 - 230	
Chloroform	20.0	23.3	117	51 - 138	
Chloromethane	20.0	26.6	133	1 - 273	
cis-1,3-Dichloropropene	20.0	21.4	107	1 - 227	
Dichlorobromomethane	20.0	21.4	107	35 - 155	
Ethylbenzene	20.0	20.0	100	37 - 162	
Methylene Chloride	20.0	23.8	119	1 - 221	
Tetrachloroethene	20.0	20.0	100	64 - 148	
Toluene	20.0	19.7	99	47 - 150	
trans-1,2-Dichloroethene	20.0	24.1	120	54 - 156	
trans-1,3-Dichloropropene	20.0	19.5	97	17 - 183	
Trichloroethene	20.0	23.8	119	71 - 157	
Vinyl chloride	20.0	25.0	125	1 - 251	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	72 - 130
4-Bromofluorobenzene (Surr)	104	69 - 121
Toluene-d8 (Surr)	93	70 - 123

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Method Blank - Batch: 480-180801

Method: 625
Preparation: 625

Lab Sample ID:	MB 480-180801/1-A	Analysis Batch:	480-180910	Instrument ID:	HP5973U
Client Matrix:	Water	Prep Batch:	480-180801	Lab File ID:	U5636.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/09/2014 0854	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	05/08/2014 0653			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2,4-Trichlorobenzene	ND		0.49	10
1,2-Dichlorobenzene	ND		0.15	10
1,2-Diphenylhydrazine	ND		0.063	10
1,3-Dichlorobenzene	ND		0.069	10
1,4-Dichlorobenzene	ND		0.090	10
2,4,6-Trichlorophenol	ND		0.23	5.0
2,4-Dichlorophenol	ND		0.30	5.0
2,4-Dimethylphenol	ND		0.13	5.0
2,4-Dinitrophenol	ND		0.84	10
2,4-Dinitrotoluene	ND		0.26	5.0
2,6-Dinitrotoluene	ND		0.72	5.0
2-Chloronaphthalene	ND		0.068	5.0
2-Chlorophenol	ND		0.16	5.0
2-Nitrophenol	ND		0.14	5.0
3,3'-Dichlorobenzidine	ND		0.82	5.0
4,6-Dinitro-2-methylphenol	ND		0.76	10
4-Bromophenyl phenyl ether	ND		0.11	5.0
4-Chloro-3-methylphenol	ND		0.56	5.0
4-Chlorophenyl phenyl ether	ND		0.21	5.0
4-Nitrophenol	ND		1.3	10
Acenaphthene	ND		0.060	5.0
Acenaphthylene	ND		0.034	5.0
Anthracene	ND		0.052	5.0
Benzidine	ND		2.5	80
Benzo[a]anthracene	ND		0.043	5.0
Benzo[a]pyrene	ND		0.058	5.0
Benzo[b]fluoranthene	ND		0.062	5.0
Benzo[g,h,i]perylene	ND		0.10	5.0
Benzo[k]fluoranthene	ND		0.042	5.0
bis (2-chloroisopropyl) ether	ND		0.086	5.0
Bis(2-chloroethoxy)methane	ND		0.085	5.0
Bis(2-chloroethyl)ether	ND		1.1	5.0
Bis(2-ethylhexyl) phthalate	ND		0.86	10
Butyl benzyl phthalate	ND		1.3	5.0
Chrysene	ND		0.036	5.0
Dibenz(a,h)anthracene	ND		0.055	5.0
Diethyl phthalate	ND		0.17	5.0
Dimethyl phthalate	ND		0.17	5.0
Di-n-butyl phthalate	ND		0.94	5.0
Di-n-octyl phthalate	ND		4.5	5.0
Fluoranthene	ND		0.11	5.0
Fluorene	ND		0.043	5.0
Hexachlorobenzene	ND		0.28	5.0
Hexachlorobutadiene	ND		0.62	5.0
Hexachlorocyclopentadiene	ND		0.45	5.0

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Method Blank - Batch: 480-180801

Method: 625
Preparation: 625

Lab Sample ID:	MB 480-180801/1-A	Analysis Batch:	480-180910	Instrument ID:	HP5973U
Client Matrix:	Water	Prep Batch:	480-180801	Lab File ID:	U5636.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/09/2014 0854	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	05/08/2014 0653			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hexachloroethane	ND		0.48	5.0
Indeno[1,2,3-cd]pyrene	ND		0.19	5.0
Isophorone	ND		0.16	5.0
Naphthalene	ND		0.080	5.0
Nitrobenzene	ND		0.11	5.0
N-Nitrosodimethylamine	ND		0.96	10
N-Nitrosodi-n-propylamine	ND		0.23	5.0
N-Nitrosodiphenylamine	ND		0.40	5.0
Pentachlorophenol	ND		0.41	10
Phenanthrene	ND		0.071	5.0
Phenol	ND		0.12	5.0
Pyrene	ND		0.041	5.0

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	83	52 - 151
2-Fluorobiphenyl	83	44 - 120
2-Fluorophenol	45	17 - 120
Nitrobenzene-d5	75	42 - 120
Phenol-d5	32	10 - 120
p-Terphenyl-d14	112	22 - 125

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 480-180801

Method: 625
Preparation: 625

LCS Lab Sample ID:	LCS 480-180801/2-A	Analysis Batch:	480-180910	Instrument ID:	HP5973U
Client Matrix:	Water	Prep Batch:	480-180801	Lab File ID:	U5637.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/09/2014 0917	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	05/08/2014 0653			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 480-180801/3-A	Analysis Batch:	480-180910	Instrument ID:	HP5973U
Client Matrix:	Water	Prep Batch:	480-180801	Lab File ID:	U5638.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/09/2014 0940	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	05/08/2014 0653			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2,4-Trichlorobenzene	72	71	44 - 142	2	34		
1,2-Dichlorobenzene	61	59	32 - 129	4	38		
1,3-Dichlorobenzene	55	53	1 - 172	4	37		
1,4-Dichlorobenzene	57	55	20 - 124	3	40		
2,4,6-Trichlorophenol	103	104	37 - 144	0	20		
2,4-Dichlorophenol	87	88	39 - 135	1	23		
2,4-Dimethylphenol	85	88	32 - 119	3	18		
2,4-Dinitrophenol	68	70	1 - 191	3	29		
2,4-Dinitrotoluene	102	103	39 - 139	1	20		
2,6-Dinitrotoluene	98	100	50 - 158	2	17		
2-Chloronaphthalene	97	96	60 - 118	1	30		
2-Chlorophenol	77	76	23 - 134	1	26		
2-Nitrophenol	86	87	29 - 182	1	28		
3,3'-Dichlorobenzidine	97	100	1 - 262	3	31		
4,6-Dinitro-2-methylphenol	88	87	1 - 181	1	30		
4-Bromophenyl phenyl ether	106	107	53 - 127	0	16		
4-Chloro-3-methylphenol	93	94	22 - 147	1	16		
4-Chlorophenyl phenyl ether	105	106	25 - 158	1	15		
4-Nitrophenol	49	49	1 - 132	0	24		
Acenaphthene	96	97	47 - 145	0	25		
Acenaphthylene	99	100	33 - 145	1	22		
Anthracene	108	107	27 - 133	2	15		
Benzo[a]anthracene	116	113	33 - 143	2	15		
Benzo[a]pyrene	118	117	17 - 163	0	15		
Benzo[b]fluoranthene	113	113	24 - 159	0	17		
Benzo[g,h,i]perylene	119	118	1 - 219	1	19		
Benzo[k]fluoranthene	105	103	11 - 162	2	19		
bis (2-chloroisopropyl) ether	73	72	36 - 166	2	36		
Bis(2-chloroethoxy)methane	84	84	33 - 184	0	23		
Bis(2-chloroethyl)ether	78	76	12 - 158	3	33		
Bis(2-ethylhexyl) phthalate	115	113	8 - 158	3	15		
Butyl benzyl phthalate	121	119	1 - 152	1	15		
Chrysene	107	105	17 - 168	1	15		
Dibenz(a,h)anthracene	125	124	1 - 227	0	18		
Diethyl phthalate	110	109	1 - 114	0	15		
Dimethyl phthalate	97	98	1 - 112	1	15		

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 480-180801

Method: 625
Preparation: 625

LCS Lab Sample ID:	LCS 480-180801/2-A	Analysis Batch:	480-180910	Instrument ID:	HP5973U
Client Matrix:	Water	Prep Batch:	480-180801	Lab File ID:	U5637.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/09/2014 0917	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	05/08/2014 0653			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 480-180801/3-A	Analysis Batch:	480-180910	Instrument ID:	HP5973U
Client Matrix:	Water	Prep Batch:	480-180801	Lab File ID:	U5638.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/09/2014 0940	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	05/08/2014 0653			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Di-n-butyl phthalate	118	115	1 - 118	3	15		
Di-n-octyl phthalate	122	119	4 - 146	2	15		
Fluoranthene	116	114	26 - 137	2	15		
Fluorene	101	100	59 - 121	1	18		
Hexachlorobenzene	108	107	1 - 152	1	15		
Hexachlorocyclopentadiene	74	70	5 - 120	6	50		
Hexachloroethane	54	52	40 - 113	5	43		
Indeno[1,2,3-cd]pyrene	109	109	1 - 171	0	17		
Isophorone	87	87	21 - 196	0	21		
Naphthalene	79	79	21 - 133	0	31		
Nitrobenzene	79	79	35 - 180	0	27		
N-Nitrosodi-n-propylamine	82	80	1 - 230	3	23		
N-Nitrosodiphenylamine	87	86	54 - 125	1	15		
Pentachlorophenol	114	113	14 - 176	1	21		
Phenanthrene	105	104	54 - 120	1	16		
Phenol	39	39	5 - 112	1	36		
Pyrene	111	107	52 - 115	3	15		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	109	108	52 - 151
2-Fluorobiphenyl	90	89	44 - 120
2-Fluorophenol	44	44	17 - 120
Nitrobenzene-d5	75	76	42 - 120
Phenol-d5	33	32	10 - 120
p-Terphenyl-d14	122	119	22 - 125

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-180801

Method: 625
Preparation: 625

LCS Lab Sample ID:	LCS 480-180801/2-A	Units: ug/L		LCSD Lab Sample ID:	LCSD 480-180801/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/09/2014 0917			Analysis Date:	05/09/2014 0940
Prep Date:	05/08/2014 0653			Prep Date:	05/08/2014 0653
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,2,4-Trichlorobenzene	50.0	50.0	36.1	35.3
1,2-Dichlorobenzene	50.0	50.0	30.6	29.4
1,3-Dichlorobenzene	50.0	50.0	27.7	26.7
1,4-Dichlorobenzene	50.0	50.0	28.7	27.7
2,4,6-Trichlorophenol	50.0	50.0	51.6	51.8
2,4-Dichlorophenol	50.0	50.0	43.6	43.9
2,4-Dimethylphenol	50.0	50.0	42.5	43.8
2,4-Dinitrophenol	100	100	67.9	69.9
2,4-Dinitrotoluene	50.0	50.0	51.1	51.4
2,6-Dinitrotoluene	50.0	50.0	49.2	50.1
2-Chloronaphthalene	50.0	50.0	48.6	48.0
2-Chlorophenol	50.0	50.0	38.3	38.0
2-Nitrophenol	50.0	50.0	42.9	43.3
3,3'-Dichlorobenzidine	100	100	97.3	100
4,6-Dinitro-2-methylphenol	100	100	88.2	87.2
4-Bromophenyl phenyl ether	50.0	50.0	53.2	53.3
4-Chloro-3-methylphenol	50.0	50.0	46.5	46.8
4-Chlorophenyl phenyl ether	50.0	50.0	52.7	53.2
4-Nitrophenol	100	100	48.5	48.5
Acenaphthene	50.0	50.0	48.2	48.3
Acenaphthylene	50.0	50.0	49.6	50.0
Anthracene	50.0	50.0	54.2	53.4
Benzo[a]anthracene	50.0	50.0	57.8	56.7
Benzo[a]pyrene	50.0	50.0	58.9	58.6
Benzo[b]fluoranthene	50.0	50.0	56.7	56.4
Benzo[g,h,i]perylene	50.0	50.0	59.3	58.8
Benzo[k]fluoranthene	50.0	50.0	52.7	51.6
bis (2-chloroisopropyl) ether	50.0	50.0	36.6	35.8
Bis(2-chloroethoxy)methane	50.0	50.0	41.9	41.8
Bis(2-chloroethyl)ether	50.0	50.0	39.1	38.1
Bis(2-ethylhexyl) phthalate	50.0	50.0	57.7	56.3
Butyl benzyl phthalate	50.0	50.0	60.6	59.7
Chrysene	50.0	50.0	53.4	52.7
Dibenz(a,h)anthracene	50.0	50.0	62.5	62.2
Diethyl phthalate	50.0	50.0	54.8	54.6
Dimethyl phthalate	50.0	50.0	48.7	49.2
Di-n-butyl phthalate	50.0	50.0	59.1	57.6
Di-n-octyl phthalate	50.0	50.0	60.9	59.7
Fluoranthene	50.0	50.0	58.0	57.1

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-180801

Method: 625
Preparation: 625

LCS Lab Sample ID:	LCS 480-180801/2-A	Units: ug/L		LCSD Lab Sample ID:	LCSD 480-180801/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/09/2014 0917			Analysis Date:	05/09/2014 0940
Prep Date:	05/08/2014 0653			Prep Date:	05/08/2014 0653
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Fluorene	50.0	50.0	50.7	50.0
Hexachlorobenzene	50.0	50.0	54.0	53.5
Hexachlorocyclopentadiene	50.0	50.0	37.0	34.8
Hexachloroethane	50.0	50.0	27.1	25.9
Indeno[1,2,3-cd]pyrene	50.0	50.0	54.3	54.3
Isophorone	50.0	50.0	43.3	43.4
Naphthalene	50.0	50.0	39.7	39.6
Nitrobenzene	50.0	50.0	39.7	39.5
N-Nitrosodi-n-propylamine	50.0	50.0	41.2	40.1
N-Nitrosodiphenylamine	100	100	86.7	85.7
Pentachlorophenol	100	100	114	113
Phenanthrene	50.0	50.0	52.4	51.9
Phenol	50.0	50.0	19.6	19.3
Pyrene	50.0	50.0	55.3	53.7

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Method Blank - Batch: 480-180802

Method: 608
Preparation: 3510C

Lab Sample ID:	MB 480-180802/1-A	Analysis Batch:	480-181106	Instrument ID:	HP6890-7
Client Matrix:	Water	Prep Batch:	480-180802	Lab File ID:	7_326_086.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/09/2014 0912	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/08/2014 0702			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.038	0.060
PCB-1221	ND		0.038	0.060
PCB-1232	ND		0.038	0.060
PCB-1242	ND		0.038	0.060
PCB-1248	ND		0.038	0.060
PCB-1254	ND		0.031	0.060
PCB-1260	ND		0.031	0.060

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	75	10 - 158
Tetrachloro-m-xylene	95	25 - 151

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	80	10 - 158
Tetrachloro-m-xylene	128	25 - 151

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 480-180802

Method: 608
Preparation: 3510C

LCS Lab Sample ID:	LCS 480-180802/2-A	Analysis Batch:	480-181106	Instrument ID:	HP6890-7
Client Matrix:	Water	Prep Batch:	480-180802	Lab File ID:	7_326_087.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/09/2014 0928	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/08/2014 0702			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 480-180802/3-A	Analysis Batch:	480-181106	Instrument ID:	HP6890-7
Client Matrix:	Water	Prep Batch:	480-180802	Lab File ID:	7_326_088.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/09/2014 0944	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/08/2014 0702			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	95	87	40 - 142	8	30		
PCB-1260	112	103	34 - 150	8	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	61	61	10 - 158
Tetrachloro-m-xylene	98	93	25 - 151

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	72	72	10 - 158
Tetrachloro-m-xylene	121	120	25 - 151

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-180802

Method: 608
Preparation: 3510C

LCS Lab Sample ID:	LCS 480-180802/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 480-180802/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/09/2014 0928			Analysis Date:	05/09/2014 0944
Prep Date:	05/08/2014 0702			Prep Date:	05/08/2014 0702
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
PCB-1016	1.00	1.00	0.949	0.875
PCB-1260	1.00	1.00	1.12	1.03

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Method Blank - Batch: 480-180803

Method: 608
Preparation: 3510C

Lab Sample ID:	MB 480-180803/1-A	Analysis Batch:	480-181144	Instrument ID:	HP6890-5
Client Matrix:	Water	Prep Batch:	480-180803	Lab File ID:	5_10111.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/09/2014 1022	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	05/08/2014 0712			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	0.0104	J	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
beta-BHC	ND		0.025	0.050
Chlordane (technical)	ND		0.29	0.50
delta-BHC	0.0104	J	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
gamma-BHC (Lindane)	ND		0.0060	0.050
Heptachlor	ND		0.0085	0.050
Heptachlor epoxide	ND		0.0053	0.050
Toxaphene	ND		0.12	0.50

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	63	23 - 120
Tetrachloro-m-xylene	82	36 - 120

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	49	23 - 120
Tetrachloro-m-xylene	66	36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 480-180803

Method: 608
Preparation: 3510C

LCS Lab Sample ID:	LCS 480-180803/2-A	Analysis Batch:	480-181144	Instrument ID:	HP6890-5
Client Matrix:	Water	Prep Batch:	480-180803	Lab File ID:	5_10112.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/09/2014 1040	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	05/08/2014 0712			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 480-180803/3-A	Analysis Batch:	480-181144	Instrument ID:	HP6890-5
Client Matrix:	Water	Prep Batch:	480-180803	Lab File ID:	5_10113.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/09/2014 1057	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	05/08/2014 0712			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
4,4'-DDD	102	100	57 - 140	3	50		
4,4'-DDE	92	89	48 - 136	3	50		
4,4'-DDT	94	89	53 - 140	5	50		
Aldrin	78	82	35 - 125	5	50		
alpha-BHC	98	99	54 - 125	1	50		
beta-BHC	104	106	39 - 138	1	50		
delta-BHC	101	101	50 - 138	1	50		
Dieldrin	102	102	52 - 141	0	50		
Endosulfan I	102	102	50 - 137	0	50		
Endosulfan II	100	100	54 - 140	0	50		
Endosulfan sulfate	95	97	56 - 136	2	50		
Endrin	109	110	60 - 143	1	50		
Endrin aldehyde	101	103	20 - 157	1	50		
gamma-BHC (Lindane)	99	100	54 - 134	1	50		
Heptachlor	101	99	46 - 130	2	50		
Heptachlor epoxide	102	103	52 - 144	0	50		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	72	64	23 - 120
Tetrachloro-m-xylene	87	90	36 - 120

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	63	34	23 - 120
Tetrachloro-m-xylene	72	74	36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-180803

Method: 608
Preparation: 3510C

LCS Lab Sample ID:	LCS 480-180803/2-A	Units: ug/L		LCSD Lab Sample ID:	LCSD 480-180803/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/09/2014 1040			Analysis Date:	05/09/2014 1057
Prep Date:	05/08/2014 0712			Prep Date:	05/08/2014 0712
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
4,4'-DDD	0.500	0.500	0.512	0.498
4,4'-DDE	0.500	0.500	0.462	0.446
4,4'-DDT	0.500	0.500	0.468	0.447
Aldrin	0.500	0.500	0.391	0.412
alpha-BHC	0.500	0.500	0.492	0.495
beta-BHC	0.500	0.500	0.520	0.528
delta-BHC	0.500	0.500	0.504	0.507
Dieldrin	0.500	0.500	0.512	0.510
Endosulfan I	0.500	0.500	0.510	0.512
Endosulfan II	0.500	0.500	0.502	0.502
Endosulfan sulfate	0.500	0.500	0.476	0.483
Endrin	0.500	0.500	0.546	0.551
Endrin aldehyde	0.500	0.500	0.507	0.513
gamma-BHC (Lindane)	0.500	0.500	0.497	0.502
Heptachlor	0.500	0.500	0.506	0.495
Heptachlor epoxide	0.500	0.500	0.512	0.514

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Method Blank - Batch: 480-180820

Method: 6010C
Preparation: 3005A

Lab Sample ID:	MB 480-180820/1-A	Analysis Batch:	480-181075	Instrument ID:	ICAP1
Client Matrix:	Water	Prep Batch:	480-180820	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/08/2014 1550	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/08/2014 1000				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.0056	0.015
Barium	ND		0.00070	0.0020
Cadmium	ND		0.00050	0.0020
Chromium	ND		0.0010	0.0040
Copper	ND		0.0016	0.010
Lead	ND		0.0030	0.010
Nickel	ND		0.0013	0.010
Selenium	ND		0.0087	0.025
Silver	ND		0.0017	0.0060
Zinc	ND		0.0015	0.010

Lab Control Sample - Batch: 480-180820

Method: 6010C
Preparation: 3005A

Lab Sample ID:	LCS 480-180820/2-A	Analysis Batch:	480-181075	Instrument ID:	ICAP1
Client Matrix:	Water	Prep Batch:	480-180820	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/08/2014 1602	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/08/2014 1000				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.200	0.208	104	80 - 120	
Barium	0.200	0.211	106	80 - 120	
Cadmium	0.200	0.206	103	80 - 120	
Chromium	0.200	0.203	102	80 - 120	
Copper	0.200	0.206	103	80 - 120	
Lead	0.200	0.203	101	80 - 120	
Nickel	0.200	0.201	100	80 - 120	
Selenium	0.200	0.205	102	80 - 120	
Silver	0.0500	0.0507	101	80 - 120	
Zinc	0.200	0.199	99	80 - 120	

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Method Blank - Batch: 480-181210

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 480-181210/1-A	Analysis Batch:	480-181531	Instrument ID:	LEEMAN2
Client Matrix:	Water	Prep Batch:	480-181210	Lab File ID:	H05124W1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	05/12/2014 1308	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/12/2014 0835				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00012	0.00020

Lab Control Sample - Batch: 480-181210

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 480-181210/2-A	Analysis Batch:	480-181531	Instrument ID:	LEEMAN2
Client Matrix:	Water	Prep Batch:	480-181210	Lab File ID:	H05124W1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	05/12/2014 1310	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/12/2014 0835				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00667	0.00673	101	80 - 120	

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Method Blank - Batch: 480-182034

Method: 1664A
Preparation: 1664A

Lab Sample ID:	MB 480-182034/1-A	Analysis Batch:	480-182052	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	480-182034	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/14/2014 1404	Units:	mg/L	Final Weight/Volume:	1000 mL
Prep Date:	05/14/2014 1309				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Oil & Grease	ND		1.4	5.0
SGT-HEM	ND		1.9	5.0

Lab Control Sample - Batch: 480-182034

Method: 1664A
Preparation: 1664A

Lab Sample ID:	LCS 480-182034/2-A	Analysis Batch:	480-182052	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	480-182034	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/14/2014 1404	Units:	mg/L	Final Weight/Volume:	1000 mL
Prep Date:	05/14/2014 1309				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Oil & Grease	40.0	33.60	84	78 - 114	
SGT-HEM	20.0	15.60	78	64 - 132	

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Method Blank - Batch: 480-181299

Method: 9012B
Preparation: 9012B

Lab Sample ID:	MB 480-181299/1-A	Analysis Batch:	480-181344	Instrument ID:	LACHAT2
Client Matrix:	Water	Prep Batch:	480-181299	Lab File ID:	OM_5-10-2014_11-17-57A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/10/2014 1223	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/09/2014 2122				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	ND		0.0050	0.010

Lab Control Sample - Batch: 480-181299

Method: 9012B
Preparation: 9012B

Lab Sample ID:	LCS 480-181299/2-A	Analysis Batch:	480-181344	Instrument ID:	LACHAT2
Client Matrix:	Water	Prep Batch:	480-181299	Lab File ID:	OM_5-10-2014_11-17-57A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/10/2014 1227	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/09/2014 2122				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.250	0.246	98	90 - 110	

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Method Blank - Batch: 480-181010

Method: 9066
Preparation: Distill/Phenol

Lab Sample ID:	MB 480-181010/1-A	Analysis Batch:	480-181733	Instrument ID:	KONE2
Client Matrix:	Water	Prep Batch:	480-181010	Lab File ID:	05132014nhtrp.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/13/2014 0850	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/08/2014 1332				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Phenolics, Total Recoverable	ND		0.0050	0.010

Lab Control Sample - Batch: 480-181010

Method: 9066
Preparation: Distill/Phenol

Lab Sample ID:	LCS 480-181010/2-A	Analysis Batch:	480-181733	Instrument ID:	KONE2
Client Matrix:	Water	Prep Batch:	480-181010	Lab File ID:	05132014nhtrp.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/13/2014 0850	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/08/2014 1332				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	0.100	0.104	104	90 - 110	

DATA REPORTING QUALIFIERS

Client: Sterling Environmental Engineering PC Job Number: 480-59386-1

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		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits
GC Semi VOA		
	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.
Metals		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	H	Sample was prepped or analyzed beyond the specified holding time

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-180671					
LCS 480-180671/5	Lab Control Sample	T	Water	624	
MB 480-180671/6	Method Blank	T	Water	624	
480-59386-1	PT2-1(L)	T	Water	624	
Analysis Batch:480-181564					
480-59386-1	PT2-1(L)	T	Water	TTO	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 480-180801					
LCS 480-180801/2-A	Lab Control Sample	T	Water	625	
LCSD 480-180801/3-A	Lab Control Sample Duplicate	T	Water	625	
MB 480-180801/1-A	Method Blank	T	Water	625	
480-59386-1	PT2-1(L)	T	Water	625	
Analysis Batch:480-180910					
LCS 480-180801/2-A	Lab Control Sample	T	Water	625	480-180801
LCSD 480-180801/3-A	Lab Control Sample Duplicate	T	Water	625	480-180801
MB 480-180801/1-A	Method Blank	T	Water	625	480-180801
Analysis Batch:480-181172					
480-59386-1	PT2-1(L)	T	Water	625	480-180801

Report Basis
T = Total

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 480-180802					
LCS 480-180802/2-A	Lab Control Sample	T	Water	3510C	
LCSD 480-180802/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 480-180802/1-A	Method Blank	T	Water	3510C	
480-59386-1	PT2-1(L)	T	Water	3510C	
Prep Batch: 480-180803					
LCS 480-180803/2-A	Lab Control Sample	T	Water	3510C	
LCSD 480-180803/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 480-180803/1-A	Method Blank	T	Water	3510C	
480-59386-1	PT2-1(L)	T	Water	3510C	
Analysis Batch:480-181106					
LCS 480-180802/2-A	Lab Control Sample	T	Water	608	480-180802
LCSD 480-180802/3-A	Lab Control Sample Duplicate	T	Water	608	480-180802
MB 480-180802/1-A	Method Blank	T	Water	608	480-180802
480-59386-1	PT2-1(L)	T	Water	608	480-180802
Analysis Batch:480-181144					
LCS 480-180803/2-A	Lab Control Sample	T	Water	608	480-180803
LCSD 480-180803/3-A	Lab Control Sample Duplicate	T	Water	608	480-180803
MB 480-180803/1-A	Method Blank	T	Water	608	480-180803
480-59386-1	PT2-1(L)	T	Water	608	480-180803

Report Basis

T = Total

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 480-180820					
LCS 480-180820/2-A	Lab Control Sample	T	Water	3005A	
MB 480-180820/1-A	Method Blank	T	Water	3005A	
480-59386-1	PT2-1(L)	T	Water	3005A	
Analysis Batch:480-181075					
LCS 480-180820/2-A	Lab Control Sample	T	Water	6010C	480-180820
MB 480-180820/1-A	Method Blank	T	Water	6010C	480-180820
480-59386-1	PT2-1(L)	T	Water	6010C	480-180820
Prep Batch: 480-181210					
LCS 480-181210/2-A	Lab Control Sample	T	Water	7470A	
MB 480-181210/1-A	Method Blank	T	Water	7470A	
480-59386-1	PT2-1(L)	T	Water	7470A	
Analysis Batch:480-181531					
LCS 480-181210/2-A	Lab Control Sample	T	Water	7470A	480-181210
MB 480-181210/1-A	Method Blank	T	Water	7470A	480-181210
480-59386-1	PT2-1(L)	T	Water	7470A	480-181210

Report Basis

T = Total

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-180781					
LCS 480-180781/23	Lab Control Sample	T	Water	9040C	
480-59386-1	PT2-1(L)	T	Water	9040C	
Prep Batch: 480-181010					
LCS 480-181010/2-A	Lab Control Sample	T	Water	Distill/Phenol	
MB 480-181010/1-A	Method Blank	T	Water	Distill/Phenol	
480-59386-1	PT2-1(L)	T	Water	Distill/Phenol	
Prep Batch: 480-181299					
LCS 480-181299/2-A	Lab Control Sample	T	Water	9012B	
MB 480-181299/1-A	Method Blank	T	Water	9012B	
480-59386-1	PT2-1(L)	T	Water	9012B	
Analysis Batch:480-181344					
LCS 480-181299/2-A	Lab Control Sample	T	Water	9012B	480-181299
MB 480-181299/1-A	Method Blank	T	Water	9012B	480-181299
480-59386-1	PT2-1(L)	T	Water	9012B	480-181299
Analysis Batch:480-181733					
LCS 480-181010/2-A	Lab Control Sample	T	Water	9066	480-181010
MB 480-181010/1-A	Method Blank	T	Water	9066	480-181010
480-59386-1	PT2-1(L)	T	Water	9066	480-181010
Prep Batch: 480-182034					
LCS 480-182034/2-A	Lab Control Sample	T	Water	1664A	
MB 480-182034/1-A	Method Blank	T	Water	1664A	
480-59386-1	PT2-1(L)	T	Water	1664A	
Analysis Batch:480-182052					
LCS 480-182034/2-A	Lab Control Sample	T	Water	1664A	480-182034
MB 480-182034/1-A	Method Blank	T	Water	1664A	480-182034
480-59386-1	PT2-1(L)	T	Water	1664A	480-182034

Report Basis

T = Total

Client: Sterling Environmental Engineering PC Job Number: 480-59386-1

Laboratory Chronicle

Lab ID: 480-59386-1 **Client ID:** PT2-1(L)

Sample Date/Time: 05/06/2014 14:45 Received Date/Time: 05/07/2014 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	480-59386-M-1		480-180671		05/07/2014 17:18	1	TAL BUF	TRB
A:TTO	480-59386-O-1		480-181564		05/12/2014 17:59	1	TAL BUF	DLG
P:625	480-59386-C-1-A		480-181172	480-180801	05/08/2014 06:53	1	TAL BUF	MCZ
A:625	480-59386-C-1-A		480-181172	480-180801	05/10/2014 00:06	1	TAL BUF	ANM
P:3510C	480-59386-D-1-A		480-181106	480-180802	05/08/2014 07:02	1	TAL BUF	MCZ
A:608	480-59386-D-1-A		480-181106	480-180802	05/09/2014 13:42	1	TAL BUF	JMM
P:3510C	480-59386-F-1-A		480-181144	480-180803	05/08/2014 07:12	1	TAL BUF	MCZ
A:608	480-59386-F-1-A		480-181144	480-180803	05/09/2014 15:36	1	TAL BUF	LMW
P:3005A	480-59386-J-1-A		480-181075	480-180820	05/08/2014 10:00	1	TAL BUF	EHD
A:6010C	480-59386-J-1-A		480-181075	480-180820	05/08/2014 17:24	1	TAL BUF	HJM
P:7470A	480-59386-J-1-B		480-181531	480-181210	05/12/2014 08:35	1	TAL BUF	LRK
A:7470A	480-59386-J-1-B		480-181531	480-181210	05/12/2014 14:04	1	TAL BUF	LRK
P:1664A	480-59386-G-1-A		480-182052	480-182034	05/14/2014 13:09	1	TAL BUF	MDL
A:1664A	480-59386-G-1-A		480-182052	480-182034	05/14/2014 14:04	1	TAL BUF	MDL
P:9012B	480-59386-K-1-A		480-181344	480-181299	05/09/2014 21:22	1	TAL BUF	JMB
A:9012B	480-59386-K-1-A		480-181344	480-181299	05/10/2014 12:37	1	TAL BUF	KMF
A:9040C	480-59386-L-1		480-180781		05/08/2014 02:04	1	TAL BUF	KS
P:Distill/Phenol	480-59386-I-1-A		480-181733	480-181010	05/08/2014 13:32	1	TAL BUF	RP
A:9066	480-59386-I-1-A		480-181733	480-181010	05/13/2014 09:57	1	TAL BUF	NCH

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	MB 480-180671/6		480-180671		05/07/2014 14:41	1	TAL BUF	TRB
P:625	MB 480-180801/1-A		480-180910	480-180801	05/08/2014 06:53	1	TAL BUF	MCZ
A:625	MB 480-180801/1-A		480-180910	480-180801	05/09/2014 08:54	1	TAL BUF	ANM
P:3510C	MB 480-180802/1-A		480-181106	480-180802	05/08/2014 07:02	1	TAL BUF	MCZ
A:608	MB 480-180802/1-A		480-181106	480-180802	05/09/2014 09:12	1	TAL BUF	JMM
P:3510C	MB 480-180803/1-A		480-181144	480-180803	05/08/2014 07:12	1	TAL BUF	MCZ
A:608	MB 480-180803/1-A		480-181144	480-180803	05/09/2014 10:22	1	TAL BUF	LMW
P:3005A	MB 480-180820/1-A		480-181075	480-180820	05/08/2014 10:00	1	TAL BUF	EHD
A:6010C	MB 480-180820/1-A		480-181075	480-180820	05/08/2014 15:50	1	TAL BUF	HJM
P:7470A	MB 480-181210/1-A		480-181531	480-181210	05/12/2014 08:35	1	TAL BUF	LRK
A:7470A	MB 480-181210/1-A		480-181531	480-181210	05/12/2014 13:08	1	TAL BUF	LRK
P:1664A	MB 480-182034/1-A		480-182052	480-182034	05/14/2014 13:09	1	TAL BUF	MDL
A:1664A	MB 480-182034/1-A		480-182052	480-182034	05/14/2014 14:04	1	TAL BUF	MDL
P:9012B	MB 480-181299/1-A		480-181344	480-181299	05/09/2014 21:22	1	TAL BUF	JMB
A:9012B	MB 480-181299/1-A		480-181344	480-181299	05/10/2014 12:23	1	TAL BUF	KMF
P:Distill/Phenol	MB 480-181010/1-A		480-181733	480-181010	05/08/2014 13:32	1	TAL BUF	RP
A:9066	MB 480-181010/1-A		480-181733	480-181010	05/13/2014 08:50	1	TAL BUF	NCH

Client: Sterling Environmental Engineering PC Job Number: 480-59386-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	LCS 480-180671/5		480-180671		05/07/2014 14:17	1	TAL BUF	TRB
P:625	LCS 480-180801/2-A		480-180910	480-180801	05/08/2014 06:53	1	TAL BUF	MCZ
A:625	LCS 480-180801/2-A		480-180910	480-180801	05/09/2014 09:17	1	TAL BUF	ANM
P:3510C	LCS 480-180802/2-A		480-181106	480-180802	05/08/2014 07:02	1	TAL BUF	MCZ
A:608	LCS 480-180802/2-A		480-181106	480-180802	05/09/2014 09:28	1	TAL BUF	JMM
P:3510C	LCS 480-180803/2-A		480-181144	480-180803	05/08/2014 07:12	1	TAL BUF	MCZ
A:608	LCS 480-180803/2-A		480-181144	480-180803	05/09/2014 10:40	1	TAL BUF	LMW
P:3005A	LCS 480-180820/2-A		480-181075	480-180820	05/08/2014 10:00	1	TAL BUF	EHD
A:6010C	LCS 480-180820/2-A		480-181075	480-180820	05/08/2014 16:02	1	TAL BUF	HJM
P:7470A	LCS 480-181210/2-A		480-181531	480-181210	05/12/2014 08:35	1	TAL BUF	LRK
A:7470A	LCS 480-181210/2-A		480-181531	480-181210	05/12/2014 13:10	1	TAL BUF	LRK
P:1664A	LCS 480-182034/2-A		480-182052	480-182034	05/14/2014 13:09	1	TAL BUF	MDL
A:1664A	LCS 480-182034/2-A		480-182052	480-182034	05/14/2014 14:04	1	TAL BUF	MDL
P:9012B	LCS 480-181299/2-A		480-181344	480-181299	05/09/2014 21:22	1	TAL BUF	JMB
A:9012B	LCS 480-181299/2-A		480-181344	480-181299	05/10/2014 12:27	1	TAL BUF	KMF
A:9040C	LCS 480-180781/23		480-180781		05/08/2014 01:48	1	TAL BUF	KS
P:Distill/Phenol	LCS 480-181010/2-A		480-181733	480-181010	05/08/2014 13:32	1	TAL BUF	RP
A:9066	LCS 480-181010/2-A		480-181733	480-181010	05/13/2014 08:50	1	TAL BUF	NCH

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:625	LCSD 480-180801/3-A		480-180910	480-180801	05/08/2014 06:53	1	TAL BUF	MCZ
A:625	LCSD 480-180801/3-A		480-180910	480-180801	05/09/2014 09:40	1	TAL BUF	ANM
P:3510C	LCSD 480-180802/3-A		480-181106	480-180802	05/08/2014 07:02	1	TAL BUF	MCZ
A:608	LCSD 480-180802/3-A		480-181106	480-180802	05/09/2014 09:44	1	TAL BUF	JMM
P:3510C	LCSD 480-180803/3-A		480-181144	480-180803	05/08/2014 07:12	1	TAL BUF	MCZ
A:608	LCSD 480-180803/3-A		480-181144	480-180803	05/09/2014 10:57	1	TAL BUF	LMW

Lab References:
TAL BUF = TestAmerica Buffalo

TTO

Organics, Total Toxic

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Client Sample ID: PT2-1(L) Lab Sample ID: 480-59386-1

Matrix: Water Lab File ID:

Analysis Method: TTO Date Collected: 05/06/2014 14:45

Sample wt/vol: Date Analyzed: 05/12/2014 17:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 181564 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL01493	Total Toxic Organics	ND		10	5.0

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: NOEQUIP Start Date: 05/12/2014 17:59

Analysis Batch Number: 181564 End Date: 05/12/2014 17:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
480-59386-1	PT2-1(L)	05/12/2014 17:59	1		

TTO

Method 624

Volatile Organic Compounds (GC/MS) by Method 624

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
PT2-1(L)	480-59386-1	105	92	104
	MB 480-180671/6	105	90	104
	LCS 480-180671/5	101	93	104

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	72-130
TOL = Toluene-d8 (Surr)	70-123
BFB = 4-Bromofluorobenzene (Surr)	69-121

Column to be used to flag recovery values

FORM II 624

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Matrix: Water Level: Low Lab File ID: R8820.D

Lab ID: LCS 480-180671/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	23.4	117	52-162	
1,1,2,2-Tetrachloroethane	20.0	18.5	92	46-157	
1,1,2-Trichloroethane	20.0	19.0	95	52-150	
1,1-Dichloroethane	20.0	23.1	115	59-155	
1,1-Dichloroethene	20.0	23.5	118	1-234	
1,2-Dichlorobenzene	20.0	18.2	91	18-190	
1,2-Dichloroethane	20.0	23.4	117	49-155	
1,2-Dichloropropane	20.0	22.6	113	1-210	
1,3-Dichlorobenzene	20.0	18.0	90	59-156	
1,4-Dichlorobenzene	20.0	18.3	91	18-190	
2-Chloroethyl vinyl ether	20.0	21.6 J	108	1-305	
Benzene	20.0	23.1	115	37-151	
Bromoform	20.0	15.2	76	45-169	
Bromomethane	20.0	25.1	126	1-242	
Carbon tetrachloride	20.0	23.0	115	70-140	
Chlorobenzene	20.0	19.6	98	37-160	
Chlorodibromomethane	20.0	17.8	89	53-149	
Chloroethane	20.0	24.6	123	14-230	
Chloroform	20.0	23.3	117	51-138	
Chloromethane	20.0	26.6	133	1-273	
cis-1,3-Dichloropropene	20.0	21.4	107	1-227	
Dichlorobromomethane	20.0	21.4	107	35-155	
Ethylbenzene	20.0	20.0	100	37-162	
Methylene Chloride	20.0	23.8	119	1-221	
Tetrachloroethene	20.0	20.0	100	64-148	
Toluene	20.0	19.7	99	47-150	
trans-1,2-Dichloroethene	20.0	24.1	120	54-156	
trans-1,3-Dichloropropene	20.0	19.5	97	17-183	
Trichloroethene	20.0	23.8	119	71-157	
Vinyl chloride	20.0	25.0	125	1-251	

Column to be used to flag recovery and RPD values

FORM III 624

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab File ID: R8821.D Lab Sample ID: MB 480-180671/6

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

Instrument ID: HP5973R Date Analyzed: 05/07/2014 14:41

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 480-180671/5	R8820.D	05/07/2014 14:17
PT2-1(L)	480-59386-1	R8827.D	05/07/2014 17:18

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab File ID: R8719.D BFB Injection Date: 05/02/2014

Instrument ID: HP5973R BFB Injection Time: 12:12

Analysis Batch No.: 179719

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.3	
75	30.0 - 60.0 % of mass 95	46.6	
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	0.2	(0.2)1
174	50.0 - 120.00 % of mass 95	93.1	
175	5.0 - 9.0 % of mass 174	6.7	(7.2)1
176	95.0 - 101.0 % of mass 174	88.8	(95.4)1
177	5.0 - 9.0 % of mass 176	6.0	(6.8)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 480-179719/4	R8721.D	05/02/2014	13:03
	IC 480-179719/5	R8722.D	05/02/2014	13:28
	IC 480-179719/6	R8723.D	05/02/2014	14:13

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab File ID: R8817.D BFB Injection Date: 05/07/2014

Instrument ID: HP5973R BFB Injection Time: 13:04

Analysis Batch No.: 180671

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.2	
75	30.0 - 60.0 % of mass 95	49.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.6	
173	Less than 2.0 % of mass 174	0.7	(0.7)1
174	50.0 - 120.00 % of mass 95	98.1	
175	5.0 - 9.0 % of mass 174	6.1	(6.2)1
176	95.0 - 101.0 % of mass 174	95.3	(97.2)1
177	5.0 - 9.0 % of mass 176	6.2	(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
	CCVIS 480-180671/3	R8818.D	05/07/2014	13:28
	LCS 480-180671/5	R8820.D	05/07/2014	14:17
	MB 480-180671/6	R8821.D	05/07/2014	14:41
PT2-1(L)	480-59386-1	R8827.D	05/07/2014	17:18

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Sample No.: ICIS 480-179719/4 Date Analyzed: 05/02/2014 13:03

Instrument ID: HP5973R GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): R8721.D Heated Purge: (Y/N) N

Calibration ID: 18266

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1161101	4.26	1227953	6.54	773240	8.38
UPPER LIMIT		2322202	4.76	2455906	7.04	1546480	8.88
LOWER LIMIT		580551	3.76	613977	6.04	386620	7.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-180671/3		947477	4.26	1209099	6.54	803073	8.38

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 624

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Sample No.: CCVIS 480-180671/3 Date Analyzed: 05/07/2014 13:28

Instrument ID: HP5973R GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): R8818.D Heated Purge: (Y/N) N

Calibration ID: 18266

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		947477	4.26	1209099	6.54	803073	8.38
UPPER LIMIT		1894954	4.76	2418198	7.04	1606146	8.88
LOWER LIMIT		473739	3.76	604550	6.04	401537	7.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-180671/5		982524	4.26	1167949	6.54	783098	8.38
MB 480-180671/6		988175	4.27	1222533	6.54	813445	8.38
480-59386-1	PT2-1(L)	923636	4.27	1133632	6.54	758854	8.38

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 624

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-59386-1

SDG No.:

Client Sample ID: PT2-1(L) | Lab Sample ID: 480-59386-1

Matrix: Water | Lab File ID: R8827.D

Analysis Method: 624 | Date Collected: 05/06/2014 14:45

Sample wt/vol: 5(mL) | Date Analyzed: 05/07/2014 17:18

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.: 180671 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.26
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.48
75-34-3	1,1-Dichloroethane	ND		5.0	0.59
75-35-4	1,1-Dichloroethene	ND		5.0	0.85
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.44
107-06-2	1,2-Dichloroethane	ND		5.0	0.60
540-59-0	1,2-Dichloroethene, Total	ND		10	3.2
78-87-5	1,2-Dichloropropane	ND		5.0	0.61
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.54
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.51
110-75-8	2-Chloroethyl vinyl ether	ND		25	1.9
107-02-8	Acrolein	ND		100	17
107-13-1	Acrylonitrile	ND		50	1.9
71-43-2	Benzene	ND		5.0	0.60
75-25-2	Bromoform	ND		5.0	0.47
74-83-9	Bromomethane	ND		5.0	1.2
56-23-5	Carbon tetrachloride	ND		5.0	0.51
108-90-7	Chlorobenzene	ND		5.0	0.48
124-48-1	Chlorodibromomethane	ND		5.0	0.41
75-00-3	Chloroethane	ND		5.0	0.87
67-66-3	Chloroform	ND		5.0	0.54
74-87-3	Chloromethane	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.33
75-27-4	Dichlorobromomethane	ND		5.0	0.54
100-41-4	Ethylbenzene	ND		5.0	0.46
75-09-2	Methylene Chloride	ND		5.0	0.81
127-18-4	Tetrachloroethene	ND		5.0	0.34
108-88-3	Toluene	ND		5.0	0.45
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.59
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.44
79-01-6	Trichloroethene	ND		5.0	0.60
75-01-4	Vinyl chloride	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Client Sample ID: PT2-1(L) Lab Sample ID: 480-59386-1

Matrix: Water Lab File ID: R8827.D

Analysis Method: 624 Date Collected: 05/06/2014 14:45

Sample wt/vol: 5(mL) Date Analyzed: 05/07/2014 17:18

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.: 180671 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		72-130
460-00-4	4-Bromofluorobenzene (Surr)	104		69-121
2037-26-5	Toluene-d8 (Surr)	92		70-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973R\20140507-31868.b\R8827.D
Lims ID: 480-59386-M-1 Lab Sample ID: 480-59386-1
Client ID: PT2-1(L)
Sample Type: Client
Inject. Date: 07-May-2014 17:18:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-59386-M-1
Misc. Info.: 480-0031868-012
Operator ID: TRB Instrument ID: HP5973R

Method: \\Bufchrom\ChromData\HP5973R\20140507-31868.b\R 624-1.m
Limit Group: MV - 624 ICAL UP
Last Update: 07-May-2014 21:43:10 Calib Date: 02-May-2014 14:13:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8723.D

Column 1 : Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: BrandtT Date: 08-May-2014 08:16:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 114 Fluorobenzene (IS)	96	4.269	4.263	0.006	99	923636	30.0	
* 2 Chlorobenzene-d5	117	6.538	6.538	0.000	86	1133632	30.0	
* 3 1,4-Dichlorobenzene-d4	152	8.381	8.381	0.000	94	758854	30.0	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.044	4.044	0.000	99	312515	31.4	
$ 5 Toluene-d8 (Surr)	98	5.431	5.431	0.000	92	1103254	27.6	
$ 6 4-Bromofluorobenzene (Surr	95	7.463	7.463	0.000	94	614079	31.3	
11 Chloromethane	50		1.093					
12 Vinyl chloride	62		1.178					
13 Bromomethane	94		1.379					
14 Chloroethane	64		1.452					
18 Acrolein	56		1.951					
20 1,1-Dichloroethene	96		2.006					
27 Methylene Chloride	84		2.413					
30 trans-1,2-Dichloroethene	96		2.614					
31 Acrylonitrile	53		2.657					
32 1,1-Dichloroethane	63		2.961					
38 cis-1,2-Dichloroethene	96		3.423					
45 Chloroform	83		3.679					
46 1,1,1-Trichloroethane	97		3.764					
47 Carbon tetrachloride	117		3.880					
49 Benzene	78		4.044					
51 1,2-Dichloroethane	62		4.099					
53 Trichloroethene	95		4.531					
54 1,2-Dichloropropane	63		4.713					
58 Dichlorobromomethane	83		4.944					
60 2-Chloroethyl vinyl ether	63		5.163					
61 cis-1,3-Dichloropropene	75		5.261					
63 Toluene	92		5.480					
64 trans-1,3-Dichloropropene	75		5.692					
66 1,1,2-Trichloroethane	83		5.832					
67 Tetrachloroethene	166		5.881					

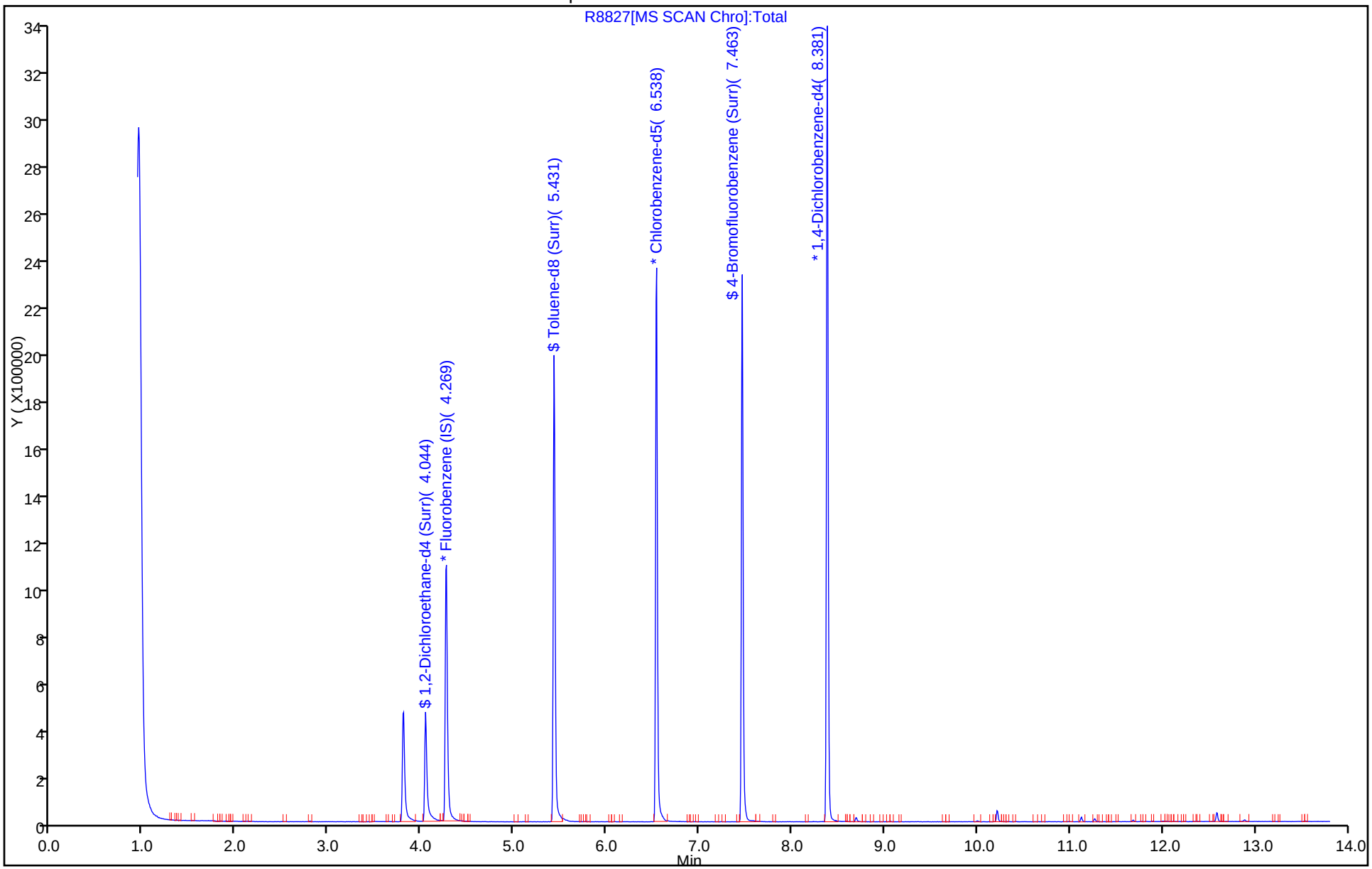
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
71 Chlorodibromomethane	129		6.124					
74 Chlorobenzene	112		6.556					
77 Ethylbenzene	91		6.629					
82 Bromoform	173		7.232					
86 1,1,2,2-Tetrachloroethane	83		7.615					
98 1,3-Dichlorobenzene	146		8.327					
99 1,4-Dichlorobenzene	146		8.400					
101 1,2-Dichlorobenzene	146		8.704					
S 107 1,2-Dichloroethene, Total	1		2.360					

Report Date: 08-May-2014 08:16:38 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973R\20140507-31868.b\R8827.D

Injection Date:	07-May-2014 17:18:30	Instrument ID:	HP5973R	Operator ID:	TRB
Lims ID:	480-59386-M-1	Lab Sample ID:	480-59386-1	Worklist Smp#:	12
Client ID:	PT2-1(L)				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	R 624-1	Limit Group:	MV - 624 ICAL UP		



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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 179719

SDG No.:

Instrument ID: HP5973R GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2014 13:03 Calibration End Date: 05/02/2014 14:13 Calibration ID: 18266

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-179719/6	R8723.D
Level 2	ICIS 480-179719/4	R8721.D
Level 3	IC 480-179719/5	R8722.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
Dichlorodifluoromethane	0.3306	0.3220	0.2424			Ave		0.2983				16.0		35.0			
Chloromethane	0.3105	0.3295	0.2848			Ave		0.3083				7.3		35.0			
Vinyl chloride	0.3248	0.3345	0.2683			Ave		0.3092				12.0		35.0			
Bromomethane	0.1204	0.1916	0.1668			Ave		0.1596				23.0		35.0			
Chloroethane	0.1144	0.1538	0.1273			Ave		0.1319				15.0		35.0			
Dichlorofluoromethane	0.3050	0.4321	0.3572			Ave		0.3647				18.0		35.0			
Trichlorofluoromethane	0.2096	0.3792	0.2878			Ave		0.2922				29.0		35.0			
Ethyl ether	0.1428	0.1754	0.1586			Ave		0.1590				10.0		35.0			
Acrolein	0.0283	0.0266	0.0264			Ave		0.0271				3.8		35.0			
1,1-Dichloroethene	0.1899	0.2360	0.2113			Ave		0.2124				11.0		35.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2102	0.2488	0.2075			Ave		0.2222				10.0		35.0			
Acetone	0.0973	0.0724	0.0706			Ave		0.0801				19.0		35.0			
Iodomethane	0.4512	0.4827	0.4437			Ave		0.4592				4.5		35.0			
Carbon disulfide	0.5031	0.7773	0.6941			Ave		0.6582				21.0		35.0			
Allyl chloride	0.3818	0.3927	0.3645			Ave		0.3797				3.7		35.0			
Methylene Chloride	0.2858	0.2672	0.2475			Ave		0.2668				7.2		35.0			
t-Butanol	0.0371	0.0318	0.0341			Ave		0.0343				7.8		35.0			
Methyl tert-butyl ether	0.8597	0.7875	0.7520			Ave		0.7997				6.9		35.0			
trans-1,2-Dichloroethene	0.2451	0.2488	0.2241			Ave		0.2394				5.6		35.0			
Acrylonitrile	0.1472	0.1085	0.1033			Ave		0.1197				20.0		35.0			
1,1-Dichloroethane	0.4477	0.4361	0.3911			Ave		0.4250				7.0		35.0			
Vinyl acetate	0.5913	0.5761	0.5438			Ave		0.5704				4.3		35.0			
2,2-Dichloropropane	0.1766	0.1967	0.1767			Ave		0.1833				6.3		35.0			
cis-1,2-Dichloroethene	0.2738	0.2707	0.2513			Ave		0.2653				4.6		35.0			
2-Butanone (MEK)	0.1950	0.1505	0.1478			Ave		0.1645				16.0		35.0			
Bromochloromethane	0.1342	0.1353	0.1259			Ave		0.1318				3.9		35.0			
Tetrahydrofuran	0.1390	0.1027	0.1045			Ave		0.1154				18.0		35.0			
Chloroform	0.4553	0.4495	0.4119			Ave		0.4389				5.4		35.0			
1,1,1-Trichloroethane	0.3351	0.3561	0.3308			Ave		0.3407				4.0		35.0			
Carbon tetrachloride	0.2580	0.2923	0.2926			Ave		0.2810				7.1		35.0			
1,1-Dichloropropene	0.3237	0.3144	0.2817			Ave		0.3066				7.2		35.0			
Benzene	1.0155	0.9816	0.8738			Ave		0.9570				7.7		35.0			
Isobutyl alcohol	0.0156	0.0114	0.0135			Ave		0.0135				16.0		35.0			
1,2-Dichloroethane	0.3628	0.3495	0.3262			Ave		0.3462				5.4		35.0			

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.: 480-59386-1 Analy Batch No.: 179719

SDG No.:

Instrument ID: HP5973R GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2014 13:03 Calibration End Date: 05/02/2014 14:13 Calibration ID: 18266

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
Trichloroethene	0.2609	0.2642	0.2414			Ave		0.2555				4.8		35.0			
1,2-Dichloropropane	0.2458	0.2358	0.2227			Ave		0.2348				4.9		35.0			
Dibromomethane	0.1617	0.1589	0.1541			Ave		0.1582				2.4		35.0			
1,4-Dioxane	0.0030	0.0023	0.0024			Ave		0.0026				15.0		35.0			
Dichlorobromomethane	0.2724	0.3217	0.3195			Ave		0.3045				9.1		35.0			
2-Chloroethyl vinyl ether	0.1571	0.1659	0.1657			Ave		0.1629				3.1		35.0			
cis-1,3-Dichloropropene	0.3215	0.3784	0.3712			Ave		0.3570				8.7		35.0			
4-Methyl-2-pentanone (MIBK)	0.3920	0.3157	0.2771			Ave		0.3283				18.0		35.0			
Toluene	0.6385	0.5943	0.5436			Ave		0.5921				8.0		35.0			
trans-1,3-Dichloropropene	0.2364	0.3178	0.3140			Ave		0.2894				16.0		35.0			
Ethyl methacrylate	0.3329	0.3420	0.3372			Ave		0.3374				1.4		35.0			
1,1,2-Trichloroethane	0.1961	0.1870	0.1769			Ave		0.1867				5.1		35.0			
Tetrachloroethene	0.2754	0.2607	0.2405			Ave		0.2589				6.8		35.0			
1,3-Dichloropropane	0.3810	0.3773	0.3518			Ave		0.3700				4.3		35.0			
2-Hexanone	0.2815	0.2694	0.2308			Ave		0.2605				10.0		35.0			
Chlorodibromomethane	0.1660	0.2325	0.2386			Ave		0.2124				19.0		35.0			
1,2-Dibromoethane	0.2425	0.2476	0.2331			Ave		0.2411				3.0		35.0			
Chlorobenzene	0.6984	0.6692	0.6121			Ave		0.6599				6.7		35.0			
1,1,1,2-Tetrachloroethane	0.1940	0.2392	0.2396			Ave		0.2243				12.0		35.0			
Ethylbenzene	1.1607	1.1522	0.9934			Ave		1.1021				8.6		35.0			
m-Xylene & p-Xylene	0.4464	0.4357	0.4035			Ave		0.4285				5.2		35.0			
o-Xylene	0.4408	0.4437	0.4160			Ave		0.4335				3.5		35.0			
Styrene	0.6857	0.7430	0.6952			Ave		0.7079				4.3		35.0			
Bromoform	0.1009	0.1666	0.1867			Ave		0.1514				30.0		35.0			
Isopropylbenzene	1.8799	1.8591	1.5718			Ave		1.7703				9.7		35.0			
Bromobenzene	0.5268	0.5048	0.4801			Ave		0.5039				4.6		35.0			
1,1,2,2-Tetrachloroethane	0.5902	0.5682	0.5315			Ave		0.5633				5.3		35.0			
1,2,3-Trichloropropane	0.1938	0.1847	0.1706			Ave		0.1831				6.4		35.0			
N-Propylbenzene	2.2047	2.1223	1.7656			Ave		2.0308				11.0		35.0			
trans-1,4-Dichloro-2-butene	0.1254	0.1517	0.1508			Ave		0.1426				10.0		35.0			
2-Chlorotoluene	0.4381	0.4392	0.4044			Ave		0.4272				4.6		35.0			
1,3,5-Trimethylbenzene	1.5599	1.5374	1.3373			Ave		1.4782				8.3		35.0			
4-Chlorotoluene	0.4552	0.4383	0.4110			Ave		0.4348				5.1		35.0			
tert-Butylbenzene	0.3414	0.3538	0.3142			Ave		0.3365				6.0		35.0			
1,2,4-Trimethylbenzene	1.5848	1.5785	1.3716			Ave		1.5116				8.0		35.0			
sec-Butylbenzene	2.0443	1.9777	1.5868			Ave		1.8696				13.0		35.0			
1,3-Dichlorobenzene	0.9156	0.8784	0.8237			Ave		0.8726				5.3		35.0			
4-Isopropyltoluene	1.6494	1.5914	1.3459			Ave		1.5289				11.0		35.0			
1,4-Dichlorobenzene	0.9756	0.8896	0.8285			Ave		0.8979				8.2		35.0			
n-Butylbenzene	1.4257	1.3504	1.1171			Ave		1.2977				12.0		35.0			
1,2-Dichlorobenzene	0.9715	0.9204	0.8420			Ave		0.9113				7.2		35.0			

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.: 480-59386-1 Analy Batch No.: 179719

SDG No.:

Instrument ID: HP5973R GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2014 13:03 Calibration End Date: 05/02/2014 14:13 Calibration ID: 18266

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
1,2-Dibromo-3-Chloropropane	0.1105	0.1175	0.1173			Ave		0.1151				3.5		35.0			
1,2,4-Trichlorobenzene	0.7374	0.6100	0.5554			Ave		0.6343				15.0		35.0			
Hexachlorobutadiene	0.3685	0.3054	0.2502			Ave		0.3080				19.0		35.0			
Naphthalene	2.4427	1.7530	1.5332			Ave		1.9096				25.0		35.0			
1,2,3-Trichlorobenzene	0.7971	0.5996	0.5509			Ave		0.6492				20.0		35.0			
Dibromofluoromethane (Surr)	0.2805	0.2896	0.2934			Ave		0.2878				2.3		35.0			
1,2-Dichloroethane-d4 (Surr)	0.3334	0.3188	0.3182			Ave		0.3234				2.7		35.0			
Toluene-d8 (Surr)	1.0630	1.0593	1.0466			Ave		1.0563				0.8		35.0			
4-Bromofluorobenzene (Surr)	0.5198	0.5151	0.5249			Ave		0.5199				0.9		35.0			

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.: 480-59386-1 Analy Batch No.: 179719

SDG No.:

Instrument ID: HP5973R GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2014 13:03 Calibration End Date: 05/02/2014 14:13 Calibration ID: 18266

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-179719/6	R8723.D
Level 2	ICIS 480-179719/4	R8721.D
Level 3	IC 480-179719/5	R8722.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
Dichlorodifluoromethane	FB	Ave	68900	623118	1012509			5.00	50.0	100		
Chloromethane	FB	Ave	64715	637649	1189510			5.00	50.0	100		
Vinyl chloride	FB	Ave	67701	647408	1120524			5.00	50.0	100		
Bromomethane	FB	Ave	25099	370778	696639			5.00	50.0	100		
Chloroethane	FB	Ave	23852	297672	531831			5.00	50.0	100		
Dichlorofluoromethane	FB	Ave	63562	836091	1491695			5.00	50.0	100		
Trichlorofluoromethane	FB	Ave	43682	733909	1201967			5.00	50.0	100		
Ethyl ether	FB	Ave	29762	339492	662543			5.00	50.0	100		
Acrolein	FB	Ave	29464	256998	551084			25.0	250	500		
1,1-Dichloroethene	FB	Ave	39577	456659	882461			5.00	50.0	100		
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	43802	481453	866799			5.00	50.0	100		
Acetone	FB	Ave	101440	700179	1474526			25.0	250	500		
Iodomethane	FB	Ave	94037	934201	1853076			5.00	50.0	100		
Carbon disulfide	FB	Ave	104872	1504167	2898802			5.00	50.0	100		
Allyl chloride	FB	Ave	79575	759962	1522401			5.00	50.0	100		
Methylene Chloride	FB	Ave	59566	517027	1033597			5.00	50.0	100		
t-Butanol	FB	Ave	77366	614756	1426086			50.0	500	1000		
Methyl tert-butyl ether	FB	Ave	179182	1524037	3140625			5.00	50.0	100		
trans-1,2-Dichloroethene	FB	Ave	51094	481548	936005			5.00	50.0	100		
Acrylonitrile	FB	Ave	306762	2099222	4316243			50.0	500	1000		
1,1-Dichloroethane	FB	Ave	93308	843942	1633416			5.00	50.0	100		
Vinyl acetate	FB	Ave	246510	2229547	4542204			10.0	100	200		
2,2-Dichloropropane	FB	Ave	36801	380614	737866			5.00	50.0	100		
cis-1,2-Dichloroethene	FB	Ave	57065	523891	1049474			5.00	50.0	100		
2-Butanone (MEK)	FB	Ave	203256	1456528	3086871			25.0	250	500		
Bromochloromethane	FB	Ave	27976	261919	525886			5.00	50.0	100		
Tetrahydrofuran	FB	Ave	57924	397588	873233			10.0	100	200		
Chloroform	FB	Ave	94893	869937	1720391			5.00	50.0	100		
1,1,1-Trichloroethane	FB	Ave	69850	689130	1381345			5.00	50.0	100		
Carbon tetrachloride	FB	Ave	53783	565646	1221929			5.00	50.0	100		
1,1-Dichloropropene	FB	Ave	67462	608421	1176291			5.00	50.0	100		
Benzene	FB	Ave	211667	1899610	3649391			5.00	50.0	100		
Isobutyl alcohol	FB	Ave	81166	550900	1405340			125	1250	2500		
1,2-Dichloroethane	FB	Ave	75625	676383	1362293			5.00	50.0	100		
Trichloroethene	FB	Ave	54390	511343	1007980			5.00	50.0	100		

FORM VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 179719

SDG No.:

Instrument ID: HP5973R GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2014 13:03 Calibration End Date: 05/02/2014 14:13 Calibration ID: 18266

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
1,2-Dichloropropane	FB	Ave	51229	456365	930057			5.00	50.0	100		
Dibromomethane	FB	Ave	33703	307527	643727			5.00	50.0	100		
1,4-Dioxane	FB	Ave	12638	88243	202945			100	1000	2000		
Dichlorobromomethane	FB	Ave	56774	622548	1334402			5.00	50.0	100		
2-Chloroethyl vinyl ether	FB	Ave	32754	321080	692100			5.00	50.0	100		
cis-1,3-Dichloropropene	FB	Ave	67010	732326	1550336			5.00	50.0	100		
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	433034	3230331	6187904			25.0	250	500		
Toluene	CBZ	Ave	141067	1216311	2427877			5.00	50.0	100		
trans-1,3-Dichloropropene	CBZ	Ave	52233	650394	1402400			5.00	50.0	100		
Ethyl methacrylate	CBZ	Ave	73553	699966	1505819			5.00	50.0	100		
1,1,2-Trichloroethane	CBZ	Ave	43318	382766	790215			5.00	50.0	100		
Tetrachloroethene	CBZ	Ave	60856	533645	1073904			5.00	50.0	100		
1,3-Dichloropropane	CBZ	Ave	84190	772079	1571070			5.00	50.0	100		
2-Hexanone	CBZ	Ave	310936	2756761	5153246			25.0	250	500		
Chlorodibromomethane	CBZ	Ave	36677	475812	1065566			5.00	50.0	100		
1,2-Dibromoethane	CBZ	Ave	53569	506817	1041214			5.00	50.0	100		
Chlorobenzene	CBZ	Ave	154302	1369640	2733559			5.00	50.0	100		
1,1,1,2-Tetrachloroethane	CBZ	Ave	42871	489453	1070179			5.00	50.0	100		
Ethylbenzene	CBZ	Ave	256460	2358004	4436295			5.00	50.0	100		
m-Xylene & p-Xylene	CBZ	Ave	98642	891606	1801827			5.00	50.0	100		
o-Xylene	CBZ	Ave	97398	908049	1857924			5.00	50.0	100		
Styrene	CBZ	Ave	151496	1520572	3104590			5.00	50.0	100		
Bromoform	CBZ	Ave	22288	340932	833934			5.00	50.0	100		
Isopropylbenzene	DCB	Ave	258124	2395911	4499408			5.00	50.0	100		
Bromobenzene	DCB	Ave	72329	650595	1374267			5.00	50.0	100		
1,1,2,2-Tetrachloroethane	DCB	Ave	81035	732202	1521480			5.00	50.0	100		
1,2,3-Trichloropropane	DCB	Ave	26617	238019	488488			5.00	50.0	100		
N-Propylbenzene	DCB	Ave	302720	2735024	5054155			5.00	50.0	100		
trans-1,4-Dichloro-2-butene	DCB	Ave	17215	195492	431630			5.00	50.0	100		
2-Chlorotoluene	DCB	Ave	60153	566031	1157529			5.00	50.0	100		
1,3,5-Trimethylbenzene	DCB	Ave	214190	1981266	3828118			5.00	50.0	100		
4-Chlorotoluene	DCB	Ave	62496	564815	1176516			5.00	50.0	100		
tert-Butylbenzene	DCB	Ave	46873	455985	899506			5.00	50.0	100		
1,2,4-Trimethylbenzene	DCB	Ave	217607	2034308	3926285			5.00	50.0	100		
sec-Butylbenzene	DCB	Ave	280699	2548712	4542389			5.00	50.0	100		
1,3-Dichlorobenzene	DCB	Ave	125717	1132042	2357987			5.00	50.0	100		
4-Isopropyltoluene	DCB	Ave	226473	2050865	3852730			5.00	50.0	100		
1,4-Dichlorobenzene	DCB	Ave	133956	1146439	2371652			5.00	50.0	100		
n-Butylbenzene	DCB	Ave	195766	1740282	3197679			5.00	50.0	100		
1,2-Dichlorobenzene	DCB	Ave	133397	1186150	2410193			5.00	50.0	100		
1,2-Dibromo-3-Chloropropane	DCB	Ave	15166	151415	335886			5.00	50.0	100		
1,2,4-Trichlorobenzene	DCB	Ave	101255	786128	1589832			5.00	50.0	100		
Hexachlorobutadiene	DCB	Ave	50603	393527	716204			5.00	50.0	100		

FORM VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 179719

SDG No.:

Instrument ID: HP5973R GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/02/2014 13:03 Calibration End Date: 05/02/2014 14:13 Calibration ID: 18266

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
Naphthalene	DCB	Ave	335406	2259094	4388734			5.00	50.0	100		
1,2,3-Trichlorobenzene	DCB	Ave	109449	772681	1577003			5.00	50.0	100		
Dibromofluoromethane (Surr)	FB	Ave	350807	336207	367550			30.0	30.0	30.0		
1,2-Dichloroethane-d4 (Surr)	FB	Ave	416884	370104	398636			30.0	30.0	30.0		
Toluene-d8 (Surr)	CBZ	Ave	1409256	1300735	1402168			30.0	30.0	30.0		
4-Bromofluorobenzene (Surr)	CBZ	Ave	689042	632566	703268			30.0	30.0	30.0		

Curve Type Legend:

Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8721.D
Lims ID: ICIS 2
Client ID:
Sample Type: ICIS Calib Level: 2
Inject. Date: 02-May-2014 13:03:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 2
Misc. Info.: 480-0031705-004
Operator ID: TRB Instrument ID: HP5973R
Sublist: chrom-R 624-1*sub29

Method: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R 624-1.m
Limit Group: MV - 624 ICAL UP
Last Update: 02-May-2014 15:05:04 Calib Date: 02-May-2014 14:13:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8723.D

Column 1 : Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: BrandtT Date: 02-May-2014 13:30:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 114 Fluorobenzene (IS)	96	4.263	4.263	0.000	99	1161101	30.0	30.0	
* 2 Chlorobenzene-d5	117	6.538	6.538	0.000	84	1227953	30.0	30.0	
* 3 1,4-Dichlorobenzene-d4	152	8.381	8.381	0.000	74	773240	30.0	30.0	
$ 115 Dibromofluoromethane (Surr	113	3.800	3.800	0.000	97	336207	30.0	30.2	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.044	4.044	0.000	98	370104	30.0	29.6	
$ 5 Toluene-d8 (Surr)	98	5.431	5.431	0.000	92	1300735	30.0	30.1	
$ 6 4-Bromofluorobenzene (Surr	95	7.463	7.463	0.000	96	632566	30.0	29.7	
9 Dichlorodifluoromethane	85	1.002	1.002	0.000	88	623118	50.0	54.0	
11 Chloromethane	50	1.093	1.093	0.000	88	637649	50.0	53.4	
12 Vinyl chloride	62	1.178	1.178	0.000	82	647408	50.0	54.1	
13 Bromomethane	94	1.379	1.379	0.000	91	370778	50.0	60.0	
14 Chloroethane	64	1.452	1.452	0.000	99	297672	50.0	58.3	
16 Dichlorofluoromethane	67	1.604	1.604	0.000	82	836091	50.0	59.2	
15 Trichlorofluoromethane	101	1.635	1.635	0.000	87	733909	50.0	64.9	
17 Ethyl ether	59	1.811	1.811	0.000	92	339492	50.0	55.2	
18 Acrolein	56	1.951	1.951	0.000	93	256998	250.0	245.3	
20 1,1-Dichloroethene	96	2.006	2.006	0.000	89	456659	50.0	55.6	
19 1,1,2-Trichloro-1,2,2-trif	101	2.000	2.000	0.000	88	481453	50.0	56.0	
21 Acetone	43	2.085	2.085	0.000	96	700179	250.0	225.8	
23 Carbon disulfide	76	2.164	2.164	0.000	99	1504167	50.0	59.0	
22 Iodomethane	142	2.146	2.146	0.000	97	934201	50.0	52.6	
25 3-Chloro-1-propene	41	2.298	2.298	0.000	89	759962	50.0	51.7	
27 Methylene Chloride	84	2.413	2.413	0.000	88	517027	50.0	50.1	
30 trans-1,2-Dichloroethene	96	2.614	2.614	0.000	94	481548	50.0	52.0	
28 2-Methyl-2-propanol	59	2.584	2.584	0.000	86	614756	500.0	462.5	
29 Methyl tert-butyl ether	73	2.608	2.608	0.000	91	1524037	50.0	49.2	
31 Acrylonitrile	53	2.657	2.657	0.000	98	2099222	500.0	453.2	
32 1,1-Dichloroethane	63	2.961	2.961	0.000	85	843942	50.0	51.3	
34 Vinyl acetate	43	3.016	3.016	0.000	97	2229547	100.0	101.0	
37 2,2-Dichloropropane	77	3.393	3.393	0.000	92	380614	50.0	53.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 cis-1,2-Dichloroethene	96	3.423	3.423	0.000	81	523891	50.0	51.0	
39 2-Butanone (MEK)	43	3.454	3.454	0.000	100	1456528	250.0	228.8	
42 Chlorobromomethane	128	3.612	3.612	0.000	93	261919	50.0	51.3	
44 Tetrahydrofuran	42	3.636	3.636	0.000	89	397588	100.0	89.0	
45 Chloroform	83	3.679	3.679	0.000	80	869937	50.0	51.2	
46 1,1,1-Trichloroethane	97	3.764	3.764	0.000	92	689130	50.0	52.3	
47 Carbon tetrachloride	117	3.879	3.879	0.000	89	565646	50.0	52.0	
48 1,1-Dichloropropene	75	3.892	3.892	0.000	93	608421	50.0	51.3	
49 Benzene	78	4.050	4.050	0.000	97	1899610	50.0	51.3	
50 Isobutyl alcohol	43	4.086	4.086	0.000	90	550900	1250.0	1056.4	
51 1,2-Dichloroethane	62	4.098	4.098	0.000	91	676383	50.0	50.5	
53 Trichloroethene	95	4.537	4.537	0.000	94	511343	50.0	51.7	
54 1,2-Dichloropropane	63	4.713	4.713	0.000	93	456365	50.0	50.2	
56 Dibromomethane	93	4.816	4.816	0.000	85	307527	50.0	50.2	
57 1,4-Dioxane	88	4.841	4.841	0.000	90	88243	1000.0	883.6	M
58 Dichlorobromomethane	83	4.944	4.944	0.000	94	622548	50.0	52.8	
60 2-Chloroethyl vinyl ether	63	5.163	5.163	0.000	92	321080	50.0	50.9	
61 cis-1,3-Dichloropropene	75	5.260	5.260	0.000	88	732326	50.0	53.0	
62 4-Methyl-2-pentanone (MIBK	43	5.376	5.376	0.000	97	3230331	250.0	240.4	
63 Toluene	92	5.479	5.479	0.000	98	1216311	50.0	50.2	
64 trans-1,3-Dichloropropene	75	5.692	5.692	0.000	90	650394	50.0	54.9	
65 Ethyl methacrylate	69	5.735	5.735	0.000	89	699966	50.0	50.7	
66 1,1,2-Trichloroethane	83	5.832	5.832	0.000	86	382766	50.0	50.1	
67 Tetrachloroethene	166	5.881	5.881	0.000	93	533645	50.0	50.4	
68 1,3-Dichloropropane	76	5.948	5.948	0.000	92	772079	50.0	51.0	
69 2-Hexanone	43	6.009	6.009	0.000	96	2756761	250.0	258.5	
71 Chlorodibromomethane	129	6.124	6.124	0.000	88	475812	50.0	54.7	
72 Ethylene Dibromide	107	6.197	6.197	0.000	99	506817	50.0	51.4	
74 Chlorobenzene	112	6.556	6.556	0.000	95	1369640	50.0	50.7	
77 Ethylbenzene	91	6.629	6.629	0.000	98	2358004	50.0	52.3	
76 1,1,1,2-Tetrachloroethane	131	6.629	6.629	0.000	40	489453	50.0	53.3	
78 m-Xylene & p-Xylene	106	6.721	6.721	0.000	99	891606	50.0	50.8	
79 o-Xylene	106	7.031	7.031	0.000	98	908049	50.0	51.2	
80 Styrene	104	7.055	7.055	0.000	95	1520572	50.0	52.5	
82 Bromoform	173	7.232	7.232	0.000	98	340932	50.0	55.0	
84 Isopropylbenzene	105	7.317	7.317	0.000	96	2395911	50.0	52.5	
85 Bromobenzene	156	7.572	7.572	0.000	90	650595	50.0	50.1	
86 1,1,2,2-Tetrachloroethane	83	7.621	7.621	0.000	86	732202	50.0	50.4	
89 1,2,3-Trichloropropane	110	7.639	7.639	0.000	70	238019	50.0	50.4	
87 N-Propylbenzene	91	7.645	7.645	0.000	98	2735024	50.0	52.3	
88 trans-1,4-Dichloro-2-buten	53	7.651	7.651	0.000	77	195492	50.0	53.2	
90 2-Chlorotoluene	126	7.718	7.718	0.000	96	566031	50.0	51.4	
92 1,3,5-Trimethylbenzene	105	7.785	7.785	0.000	93	1981266	50.0	52.0	
93 4-Chlorotoluene	126	7.809	7.809	0.000	97	564815	50.0	50.4	
94 tert-Butylbenzene	134	8.041	8.041	0.000	91	455985	50.0	52.6	
95 1,2,4-Trimethylbenzene	105	8.083	8.083	0.000	97	2034308	50.0	52.2	
96 sec-Butylbenzene	105	8.217	8.217	0.000	94	2548712	50.0	52.9	
98 1,3-Dichlorobenzene	146	8.327	8.327	0.000	97	1132042	50.0	50.3	
97 4-Isopropyltoluene	119	8.339	8.339	0.000	96	2050865	50.0	52.0	
99 1,4-Dichlorobenzene	146	8.400	8.400	0.000	94	1146439	50.0	49.5	
100 n-Butylbenzene	91	8.667	8.667	0.000	98	1740282	50.0	52.0	
101 1,2-Dichlorobenzene	146	8.704	8.704	0.000	96	1186150	50.0	50.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
102 1,2-Dibromo-3-Chloropropan	75	9.361	9.361	0.000	86	151415	50.0	51.0	
103 1,2,4-Trichlorobenzene	180	10.006	10.006	0.000	93	786128	50.0	48.1	
104 Hexachlorobutadiene	225	10.127	10.127	0.000	93	393527	50.0	49.6	
105 Naphthalene	128	10.212	10.212	0.000	97	2259094	50.0	45.9	
106 1,2,3-Trichlorobenzene	180	10.413	10.413	0.000	94	772681	50.0	46.2	
S 107 1,2-Dichloroethene, Total	1				0			103.0	
S 108 Trihalomethanes, Total	1				0			213.8	
S 109 1,3-Dichloropropene, Total	1				0			107.9	
S 111 Xylenes, Total	1				0			102.0	
S 110 Total BTEX	1				0			255.7	

QC Flag Legend

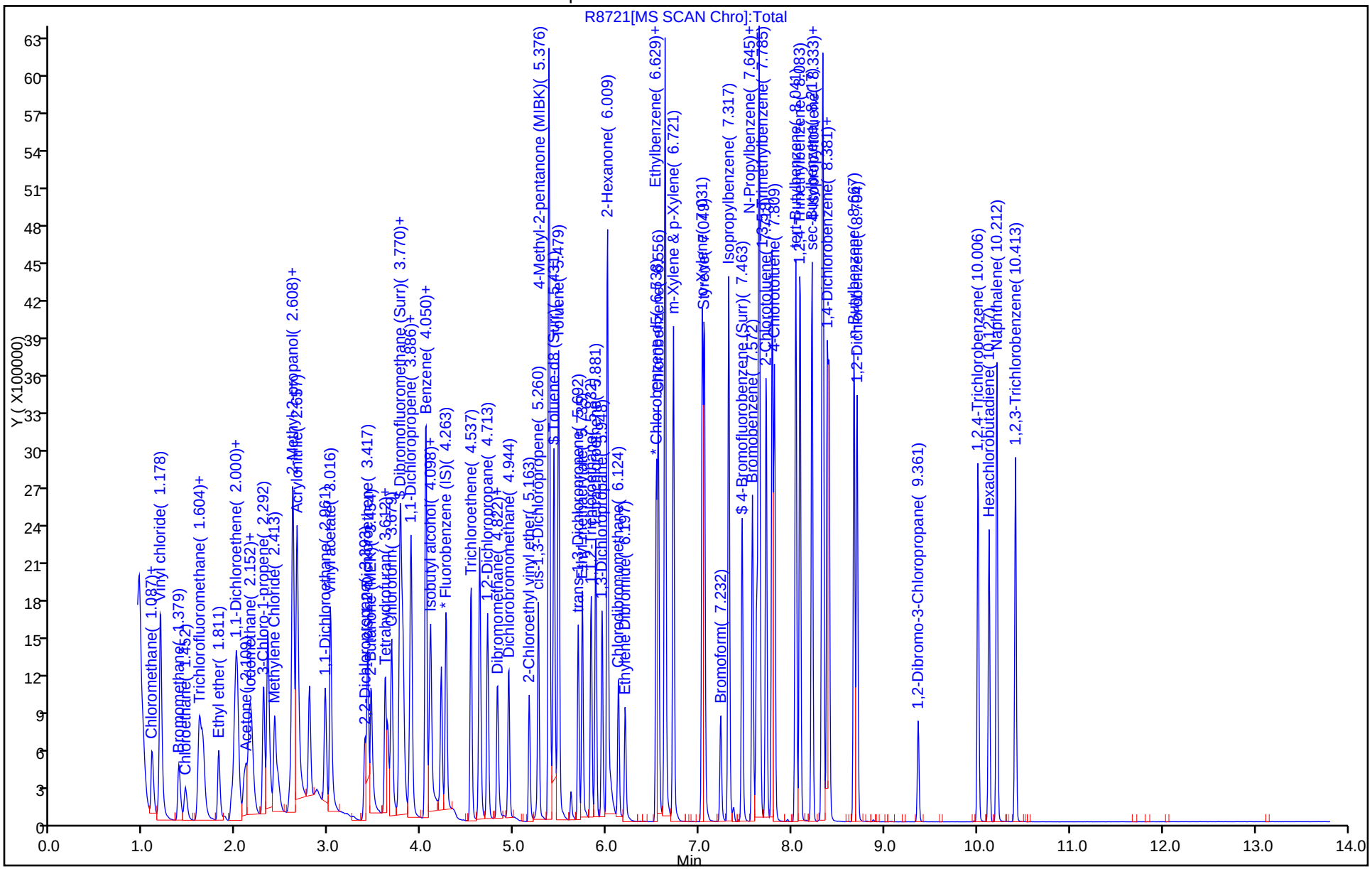
Review Flags
M - Manually Integrated

Report Date: 02-May-2014 15:05:06 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8721.D

Injection Date:	02-May-2014 13:03:30	Instrument ID:	HP5973R	Operator ID:	TRB
Lims ID:	ICIS 2			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	R 624-1	Limit Group:	MV - 624 ICAL UP		



Manual Integration/User Assign Peak Report

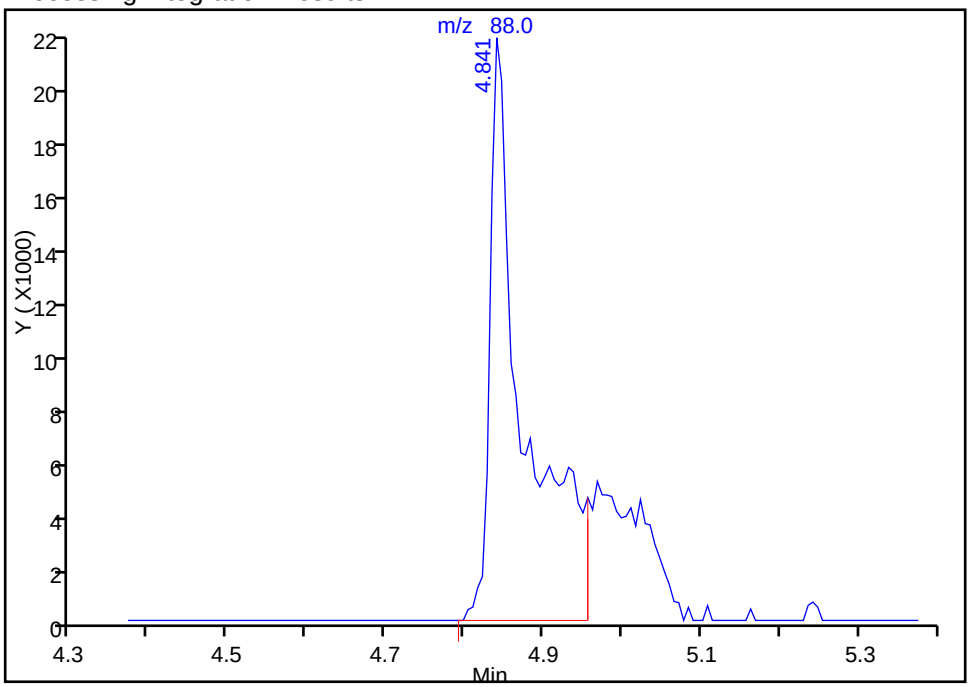
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8721.D
Injection Date: 02-May-2014 13:03:30 Instrument ID: HP5973R
Lims ID: ICIS 2
Client ID:
Operator ID: TRB ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: R 624-1 Limit Group: MV - 624 ICAL UP
Column: Detector MS SCAN

57 1,4-Dioxane, CAS: 123-91-1

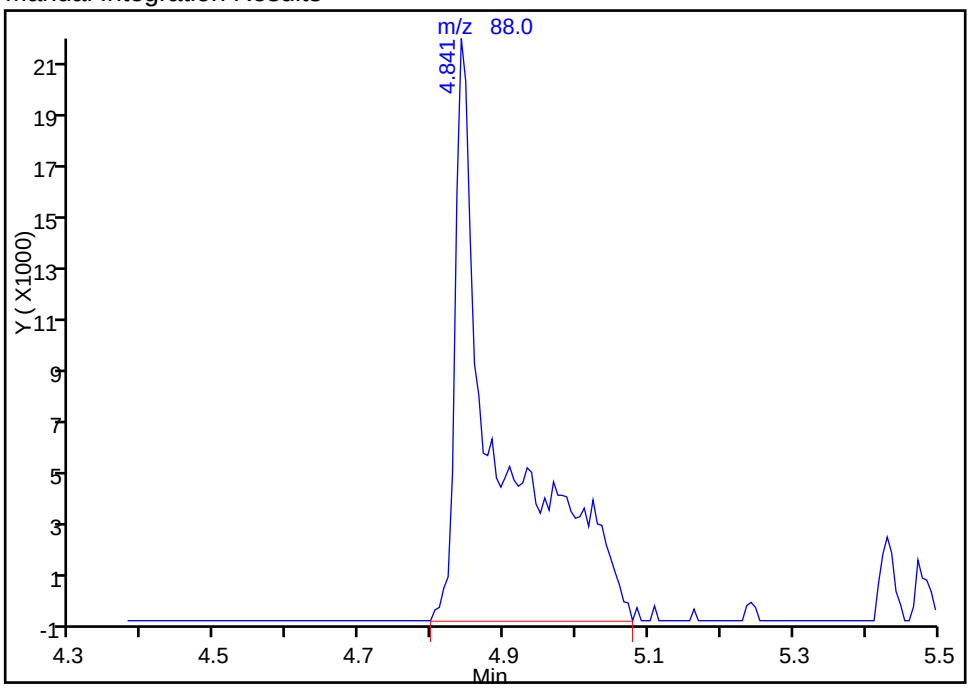
Processing Integration Results

RT: 4.84
Response: 64761
Amount: 722.2800



Manual Integration Results

RT: 4.84
Response: 88243
Amount: 883.5588



Reviewer: BrandtT, 02-May-2014 15:04:12
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8722.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 02-May-2014 13:28:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0031705-005
Operator ID: TRB Instrument ID: HP5973R
Sublist: chrom-R 624-1*sub29

Method: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R 624-1.m
Limit Group: MV - 624 ICAL UP
Last Update: 02-May-2014 15:05:08 Calib Date: 02-May-2014 14:13:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8723.D

Column 1 : Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: BrandtT Date: 02-May-2014 13:58:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 114 Fluorobenzene (IS)	96	4.263	4.263	0.000	99	1252912	30.0	30.0	
* 2 Chlorobenzene-d5	117	6.538	6.538	0.000	86	1339783	30.0	30.0	
* 3 1,4-Dichlorobenzene-d4	152	8.381	8.381	0.000	93	858765	30.0	30.0	
$ 115 Dibromofluoromethane (Surr	113	3.800	3.800	0.000	97	367550	30.0	30.6	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.044	4.044	0.000	98	398636	30.0	29.5	
$ 5 Toluene-d8 (Surr)	98	5.431	5.431	0.000	90	1402168	30.0	29.7	
$ 6 4-Bromofluorobenzene (Surr	95	7.463	7.463	0.000	96	703268	30.0	30.3	
9 Dichlorodifluoromethane	85	0.996	1.002	-0.006	88	1012509	100.0	81.3	
11 Chloromethane	50	1.093	1.093	0.000	89	1189510	100.0	92.4	
12 Vinyl chloride	62	1.178	1.178	0.000	83	1120524	100.0	86.8	
13 Bromomethane	94	1.379	1.379	0.000	92	696639	100.0	104.5	
14 Chloroethane	64	1.452	1.452	0.000	94	531831	100.0	96.6	
16 Dichlorofluoromethane	67	1.604	1.604	0.000	82	1491695	100.0	97.9	
15 Trichlorofluoromethane	101	1.628	1.635	-0.007	86	1201967	100.0	98.5	
17 Ethyl ether	59	1.811	1.811	0.000	92	662543	100.0	99.8	
18 Acrolein	56	1.945	1.951	-0.006	94	551084	500.0	487.4	
20 1,1-Dichloroethene	96	2.006	2.006	0.000	98	882461	100.0	99.5	
19 1,1,2-Trichloro-1,2,2-trif	101	2.006	2.000	0.006	86	866799	100.0	93.4	
21 Acetone	43	2.085	2.085	0.000	99	1474526	500.0	440.8	
23 Carbon disulfide	76	2.164	2.164	0.000	99	2898802	100.0	105.5	
22 Iodomethane	142	2.152	2.146	0.006	98	1853076	100.0	96.6	
25 3-Chloro-1-propene	41	2.292	2.298	-0.006	89	1522401	100.0	96.0	
27 Methylene Chloride	84	2.413	2.413	0.000	86	1033597	100.0	92.8	
30 trans-1,2-Dichloroethene	96	2.614	2.614	0.000	92	936005	100.0	93.6	
28 2-Methyl-2-propanol	59	2.578	2.584	-0.006	94	1426086	1000.0	994.2	
29 Methyl tert-butyl ether	73	2.608	2.608	0.000	90	3140625	100.0	94.0	
31 Acrylonitrile	53	2.657	2.657	0.000	98	4316243	1000.0	863.6	
32 1,1-Dichloroethane	63	2.961	2.961	0.000	85	1633416	100.0	92.0	
34 Vinyl acetate	43	3.016	3.016	0.000	97	4542204	200.0	190.7	
37 2,2-Dichloropropane	77	3.393	3.393	0.000	89	737866	100.0	96.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 cis-1,2-Dichloroethene	96	3.423	3.423	0.000	66	1049474	100.0	94.7	
39 2-Butanone (MEK)	43	3.454	3.454	0.000	100	3086871	500.0	449.4	
42 Chlorobromomethane	128	3.612	3.612	0.000	92	525886	100.0	95.5	
44 Tetrahydrofuran	42	3.630	3.636	-0.006	89	873233	200.0	181.2	
45 Chloroform	83	3.679	3.679	0.000	82	1720391	100.0	93.9	
46 1,1,1-Trichloroethane	97	3.764	3.764	0.000	93	1381345	100.0	97.1	
47 Carbon tetrachloride	117	3.879	3.879	0.000	80	1221929	100.0	104.1	
48 1,1-Dichloropropene	75	3.892	3.892	0.000	94	1176291	100.0	91.9	
49 Benzene	78	4.050	4.050	0.000	98	3649391	100.0	91.3	
50 Isobutyl alcohol	43	4.086	4.086	0.000	93	1405340	2500.0	2497.3	
51 1,2-Dichloroethane	62	4.098	4.098	0.000	90	1362293	100.0	94.2	
53 Trichloroethene	95	4.530	4.537	-0.006	94	1007980	100.0	94.5	
54 1,2-Dichloropropane	63	4.713	4.713	0.000	94	930057	100.0	94.9	
56 Dibromomethane	93	4.816	4.816	0.000	86	643727	100.0	97.4	
57 1,4-Dioxane	88	4.841	4.841	0.000	91	202945	2000.0	1883.1	M
58 Dichlorobromomethane	83	4.944	4.944	0.000	94	1334402	100.0	104.9	
60 2-Chloroethyl vinyl ether	63	5.163	5.163	0.000	92	692100	100.0	101.7	
61 cis-1,3-Dichloropropene	75	5.260	5.260	0.000	93	1550336	100.0	104.0	
62 4-Methyl-2-pentanone (MIBK	43	5.376	5.376	0.000	92	6187904	500.0	422.1	
63 Toluene	92	5.479	5.479	0.000	99	2427877	100.0	91.8	
64 trans-1,3-Dichloropropene	75	5.692	5.692	0.000	90	1402400	100.0	108.5	
65 Ethyl methacrylate	69	5.735	5.735	0.000	90	1505819	100.0	99.9	
66 1,1,2-Trichloroethane	83	5.832	5.832	0.000	86	790215	100.0	94.8	
67 Tetrachloroethene	166	5.881	5.881	0.000	92	1073904	100.0	92.9	
68 1,3-Dichloropropane	76	5.948	5.948	0.000	93	1571070	100.0	95.1	
69 2-Hexanone	43	6.009	6.009	0.000	93	5153246	500.0	442.9	
71 Chlorodibromomethane	129	6.124	6.124	0.000	90	1065566	100.0	112.4	
72 Ethylene Dibromide	107	6.197	6.197	0.000	98	1041214	100.0	96.7	
74 Chlorobenzene	112	6.556	6.556	0.000	94	2733559	100.0	92.8	
77 Ethylbenzene	91	6.629	6.629	0.000	98	4436295	100.0	90.1	
76 1,1,1,2-Tetrachloroethane	131	6.629	6.629	0.000	42	1070179	100.0	106.8	
78 m-Xylene & p-Xylene	106	6.720	6.721	-0.001	98	1801827	100.0	94.2	
79 o-Xylene	106	7.031	7.031	0.000	97	1857924	100.0	96.0	
80 Styrene	104	7.055	7.055	0.000	95	3104590	100.0	98.2	
82 Bromoform	173	7.231	7.232	-0.001	98	833934	100.0	123.3	
84 Isopropylbenzene	105	7.317	7.317	0.000	97	4499408	100.0	88.8	
85 Bromobenzene	156	7.572	7.572	0.000	89	1374267	100.0	95.3	
86 1,1,2,2-Tetrachloroethane	83	7.621	7.621	0.000	90	1521480	100.0	94.4	
89 1,2,3-Trichloropropane	110	7.645	7.639	0.006	67	488488	100.0	93.2	
87 N-Propylbenzene	91	7.645	7.645	0.000	96	5054155	100.0	86.9	
88 trans-1,4-Dichloro-2-buten	53	7.657	7.651	0.006	62	431630	100.0	105.7	
90 2-Chlorotoluene	126	7.724	7.718	0.006	97	1157529	100.0	94.7	
92 1,3,5-Trimethylbenzene	105	7.785	7.785	0.000	94	3828118	100.0	90.5	
93 4-Chlorotoluene	126	7.809	7.809	0.000	96	1176516	100.0	94.5	
94 tert-Butylbenzene	134	8.041	8.041	0.000	88	899506	100.0	93.4	
95 1,2,4-Trimethylbenzene	105	8.089	8.083	0.006	97	3926285	100.0	90.7	
96 sec-Butylbenzene	105	8.217	8.217	0.000	95	4542389	100.0	84.9	
98 1,3-Dichlorobenzene	146	8.327	8.327	-0.001	97	2357987	100.0	94.4	
97 4-Isopropyltoluene	119	8.339	8.339	0.000	93	3852730	100.0	88.0	
99 1,4-Dichlorobenzene	146	8.400	8.400	0.000	94	2371652	100.0	92.3	
100 n-Butylbenzene	91	8.667	8.667	0.000	97	3197679	100.0	86.1	
101 1,2-Dichlorobenzene	146	8.704	8.704	0.000	95	2410193	100.0	92.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
102 1,2-Dibromo-3-Chloropropan	75	9.361	9.361	0.000	88	335886	100.0	101.9	
103 1,2,4-Trichlorobenzene	180	10.012	10.006	0.006	93	1589832	100.0	87.6	
104 Hexachlorobutadiene	225	10.127	10.127	0.000	93	716204	100.0	81.2	
105 Naphthalene	128	10.212	10.212	0.000	98	4388734	100.0	80.3	
106 1,2,3-Trichlorobenzene	180	10.413	10.413	0.000	94	1577003	100.0	84.9	
S 107 1,2-Dichloroethene, Total	1				0			188.4	
S 108 Trihalomethanes, Total	1				0			434.5	
S 109 1,3-Dichloropropene, Total	1				0			212.5	
S 111 Xylenes, Total	1				0			190.1	
S 110 Total BTEX	1				0			463.4	

QC Flag Legend

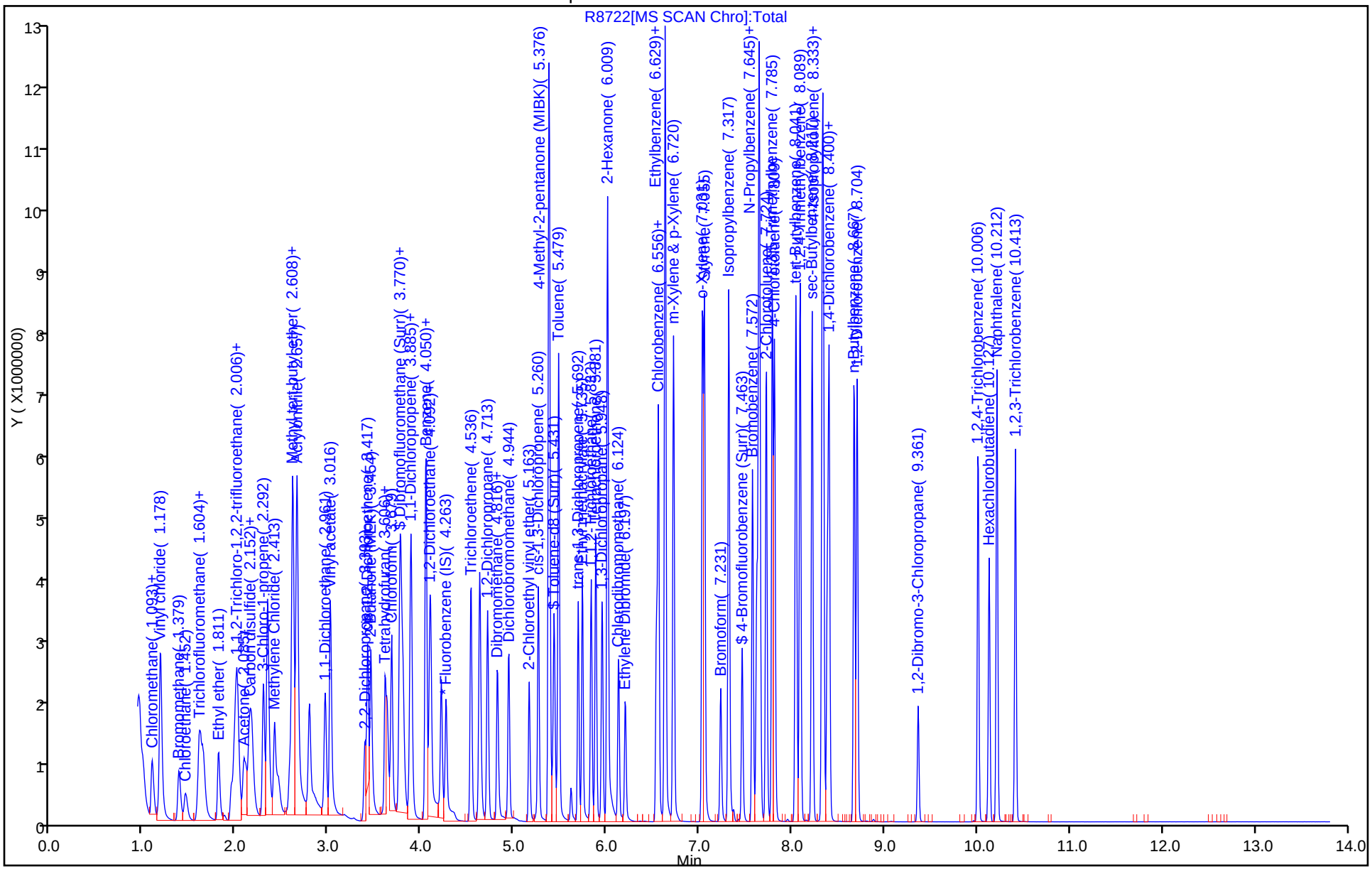
Review Flags
M - Manually Integrated

Report Date: 02-May-2014 15:05:10 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8722.D

Injection Date:	02-May-2014 13:28:30	Instrument ID:	HP5973R	Operator ID:	TRB
Lims ID:	IC 3			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	R 624-1	Limit Group:	MV - 624 ICAL UP		



Manual Integration/User Assign Peak Report

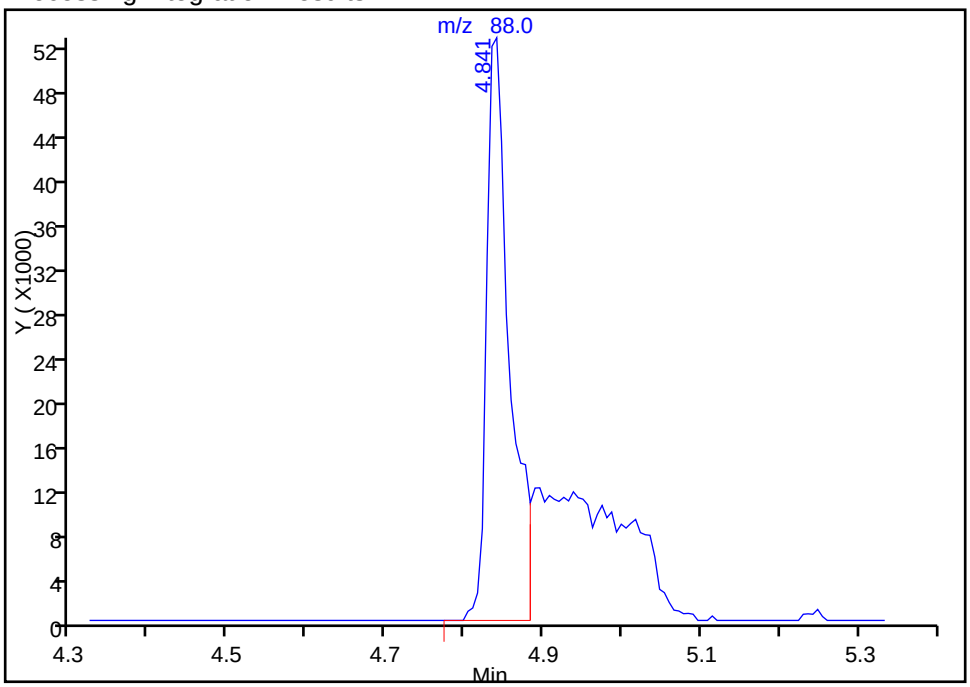
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8722.D
Injection Date: 02-May-2014 13:28:30 Instrument ID: HP5973R
Lims ID: IC 3
Client ID:
Operator ID: TRB ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: R 624-1 Limit Group: MV - 624 ICAL UP
Column: Detector MS SCAN

57 1,4-Dioxane, CAS: 123-91-1

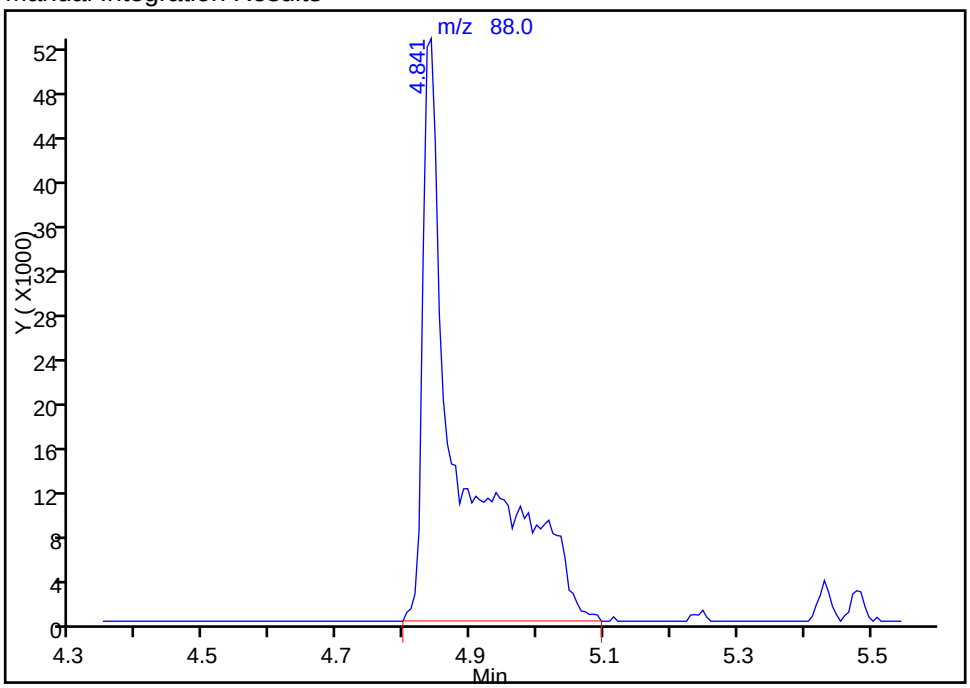
Processing Integration Results

RT: 4.84
Response: 107600
Amount: 1330.6811



Manual Integration Results

RT: 4.84
Response: 202945
Amount: 1883.1416



Reviewer: BrandtT, 02-May-2014 15:03:54
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8723.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 02-May-2014 14:13:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0031705-003
Operator ID: TRB Instrument ID: HP5973R
Sublist: chrom-R 624-1*sub29

Method: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R 624-1.m
Limit Group: MV - 624 ICAL UP
Last Update: 02-May-2014 15:04:58 Calib Date: 02-May-2014 14:13:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8723.D

Column 1 : Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: BrandtT Date: 02-May-2014 14:29:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 114 Fluorobenzene (IS)	96	4.263	4.263	0.000	99	1250586	30.0	30.0	
* 2 Chlorobenzene-d5	117	6.532	6.532	0.000	85	1325689	30.0	30.0	
* 3 1,4-Dichlorobenzene-d4	152	8.381	8.381	0.000	93	823848	30.0	30.0	
$ 115 Dibromofluoromethane (Surr	113	3.800	3.800	0.000	98	350807	30.0	29.2	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.044	4.044	0.000	98	416884	30.0	30.9	
$ 5 Toluene-d8 (Surr)	98	5.431	5.431	0.000	92	1409256	30.0	30.2	
$ 6 4-Bromofluorobenzene (Surr	95	7.463	7.463	0.000	97	689042	30.0	30.0	
9 Dichlorodifluoromethane	85	0.996	0.996	0.000	82	68900	5.00	5.54	M
11 Chloromethane	50	1.087	1.087	0.000	100	64715	5.00	5.04	
12 Vinyl chloride	62	1.160	1.160	0.000	82	67701	5.00	5.25	
13 Bromomethane	94	1.367	1.367	0.000	90	25099	5.00	3.77	
14 Chloroethane	64	1.446	1.446	0.000	81	23852	5.00	4.34	
16 Dichlorofluoromethane	67	1.598	1.598	0.000	96	63562	5.00	4.18	
15 Trichlorofluoromethane	101	1.616	1.616	0.000	77	43682	5.00	3.59	
17 Ethyl ether	59	1.805	1.805	0.000	88	29762	5.00	4.49	
18 Acrolein	56	1.951	1.951	0.000	86	29464	25.0	26.1	
19 1,1,2-Trichloro-1,2,2-trif	101	1.987	1.987	0.000	77	43802	5.00	4.73	
20 1,1-Dichloroethene	96	1.975	1.975	0.000	95	39577	5.00	4.47	
21 Acetone	43	2.085	2.085	0.000	96	101440	25.0	30.4	
22 Iodomethane	142	2.146	2.146	0.000	90	94037	5.00	4.91	
23 Carbon disulfide	76	2.140	2.140	0.000	98	104872	5.00	3.82	
25 3-Chloro-1-propene	41	2.286	2.286	0.000	85	79575	5.00	5.03	
27 Methylene Chloride	84	2.407	2.407	0.000	91	59566	5.00	5.36	
28 2-Methyl-2-propanol	59	2.608	2.608	0.000	48	77366	50.0	54.0	
29 Methyl tert-butyl ether	73	2.614	2.614	0.000	92	179182	5.00	5.37	
30 trans-1,2-Dichloroethene	96	2.608	2.608	0.000	94	51094	5.00	5.12	
31 Acrylonitrile	53	2.657	2.657	0.000	100	306762	50.0	61.5	
32 1,1-Dichloroethane	63	2.955	2.955	0.000	84	93308	5.00	5.27	
34 Vinyl acetate	43	3.022	3.022	0.000	97	246510	10.0	10.4	
37 2,2-Dichloropropane	77	3.387	3.387	0.000	84	36801	5.00	4.82	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 cis-1,2-Dichloroethene	96	3.423	3.423	0.000	63	57065	5.00	5.16	
39 2-Butanone (MEK)	43	3.466	3.466	0.000	100	203256	25.0	29.6	
42 Chlorobromomethane	128	3.612	3.612	0.000	89	27976	5.00	5.09	
44 Tetrahydrofuran	42	3.648	3.648	0.000	88	57924	10.0	12.0	
45 Chloroform	83	3.679	3.679	0.000	80	94893	5.00	5.19	
46 1,1,1-Trichloroethane	97	3.764	3.764	0.000	91	69850	5.00	4.92	
47 Carbon tetrachloride	117	3.873	3.873	0.000	79	53783	5.00	4.59	
48 1,1-Dichloropropene	75	3.886	3.886	0.000	93	67462	5.00	5.28	
49 Benzene	78	4.044	4.044	0.000	92	211667	5.00	5.31	
50 Isobutyl alcohol	43	4.098	4.098	0.000	80	81166	125.0	144.5	
51 1,2-Dichloroethane	62	4.098	4.098	0.000	86	75625	5.00	5.24	
53 Trichloroethene	95	4.530	4.530	0.000	93	54390	5.00	5.11	
54 1,2-Dichloropropane	63	4.713	4.713	0.000	89	51229	5.00	5.23	
56 Dibromomethane	93	4.822	4.822	0.000	85	33703	5.00	5.11	
57 1,4-Dioxane	88	4.853	4.853	0.000	65	12638	100.0	117.5	M
58 Dichlorobromomethane	83	4.944	4.944	0.000	96	56774	5.00	4.47	
60 2-Chloroethyl vinyl ether	63	5.169	5.169	0.000	88	32754	5.00	4.82	
61 cis-1,3-Dichloropropene	75	5.266	5.266	0.000	83	67010	5.00	4.50	
62 4-Methyl-2-pentanone (MIBK	43	5.376	5.376	0.000	98	433034	25.0	29.9	
63 Toluene	92	5.479	5.479	0.000	94	141067	5.00	5.39	
64 trans-1,3-Dichloropropene	75	5.698	5.698	0.000	90	52233	5.00	4.08	
65 Ethyl methacrylate	69	5.741	5.741	0.000	87	73553	5.00	4.93	
66 1,1,2-Trichloroethane	83	5.832	5.832	0.000	85	43318	5.00	5.25	
67 Tetrachloroethene	166	5.881	5.881	0.000	91	60856	5.00	5.32	
68 1,3-Dichloropropane	76	5.948	5.948	0.000	94	84190	5.00	5.15	
69 2-Hexanone	43	6.009	6.009	0.000	98	310936	25.0	27.0	
71 Chlorodibromomethane	129	6.124	6.124	0.000	86	36677	5.00	3.91	
72 Ethylene Dibromide	107	6.197	6.197	0.000	95	53569	5.00	5.03	
74 Chlorobenzene	112	6.556	6.556	0.000	93	154302	5.00	5.29	
77 Ethylbenzene	91	6.629	6.629	0.000	98	256460	5.00	5.27	
76 1,1,1,2-Tetrachloroethane	131	6.629	6.629	0.000	36	42871	5.00	4.33	
78 m-Xylene & p-Xylene	106	6.720	6.720	0.000	99	98642	5.00	5.21	
79 o-Xylene	106	7.031	7.031	0.000	98	97398	5.00	5.08	
80 Styrene	104	7.055	7.055	0.000	93	151496	5.00	4.84	
82 Bromoform	173	7.231	7.231	0.000	95	22288	5.00	3.33	
84 Isopropylbenzene	105	7.317	7.317	0.000	95	258124	5.00	5.31	
85 Bromobenzene	156	7.572	7.572	0.000	91	72329	5.00	5.23	
86 1,1,2,2-Tetrachloroethane	83	7.621	7.621	0.000	85	81035	5.00	5.24	
89 1,2,3-Trichloropropane	110	7.639	7.639	0.000	47	26617	5.00	5.29	
87 N-Propylbenzene	91	7.645	7.645	0.000	98	302720	5.00	5.43	
88 trans-1,4-Dichloro-2-buten	53	7.657	7.657	0.000	40	17215	5.00	4.40	
90 2-Chlorotoluene	126	7.718	7.718	0.000	95	60153	5.00	5.13	
92 1,3,5-Trimethylbenzene	105	7.785	7.785	0.000	92	214190	5.00	5.28	
93 4-Chlorotoluene	126	7.809	7.809	0.000	89	62496	5.00	5.23	
94 tert-Butylbenzene	134	8.041	8.041	0.000	91	46873	5.00	5.07	
95 1,2,4-Trimethylbenzene	105	8.083	8.083	0.000	97	217607	5.00	5.24	
96 sec-Butylbenzene	105	8.217	8.217	0.000	93	280699	5.00	5.47	
98 1,3-Dichlorobenzene	146	8.327	8.327	0.000	97	125717	5.00	5.25	
97 4-Isopropyltoluene	119	8.339	8.339	0.000	95	226473	5.00	5.39	
99 1,4-Dichlorobenzene	146	8.400	8.400	0.000	88	133956	5.00	5.43	
100 n-Butylbenzene	91	8.667	8.667	0.000	96	195766	5.00	5.49	
101 1,2-Dichlorobenzene	146	8.704	8.704	0.000	96	133397	5.00	5.33	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
102 1,2-Dibromo-3-Chloropropan	75	9.361	9.361	0.000	68	15166	5.00	4.80	
103 1,2,4-Trichlorobenzene	180	10.012	10.012	0.000	93	101255	5.00	5.81	
104 Hexachlorobutadiene	225	10.127	10.127	0.000	91	50603	5.00	5.98	
105 Naphthalene	128	10.212	10.212	0.000	97	335406	5.00	6.40	
106 1,2,3-Trichlorobenzene	180	10.413	10.413	0.000	94	109449	5.00	6.14	
S 107 1,2-Dichloroethene, Total	1				0			10.3	
S 108 Trihalomethanes, Total	1				0			16.9	
S 109 1,3-Dichloropropene, Total	1				0			8.59	
S 111 Xylenes, Total	1				0			10.3	
S 110 Total BTEX	1				0			26.3	

QC Flag Legend

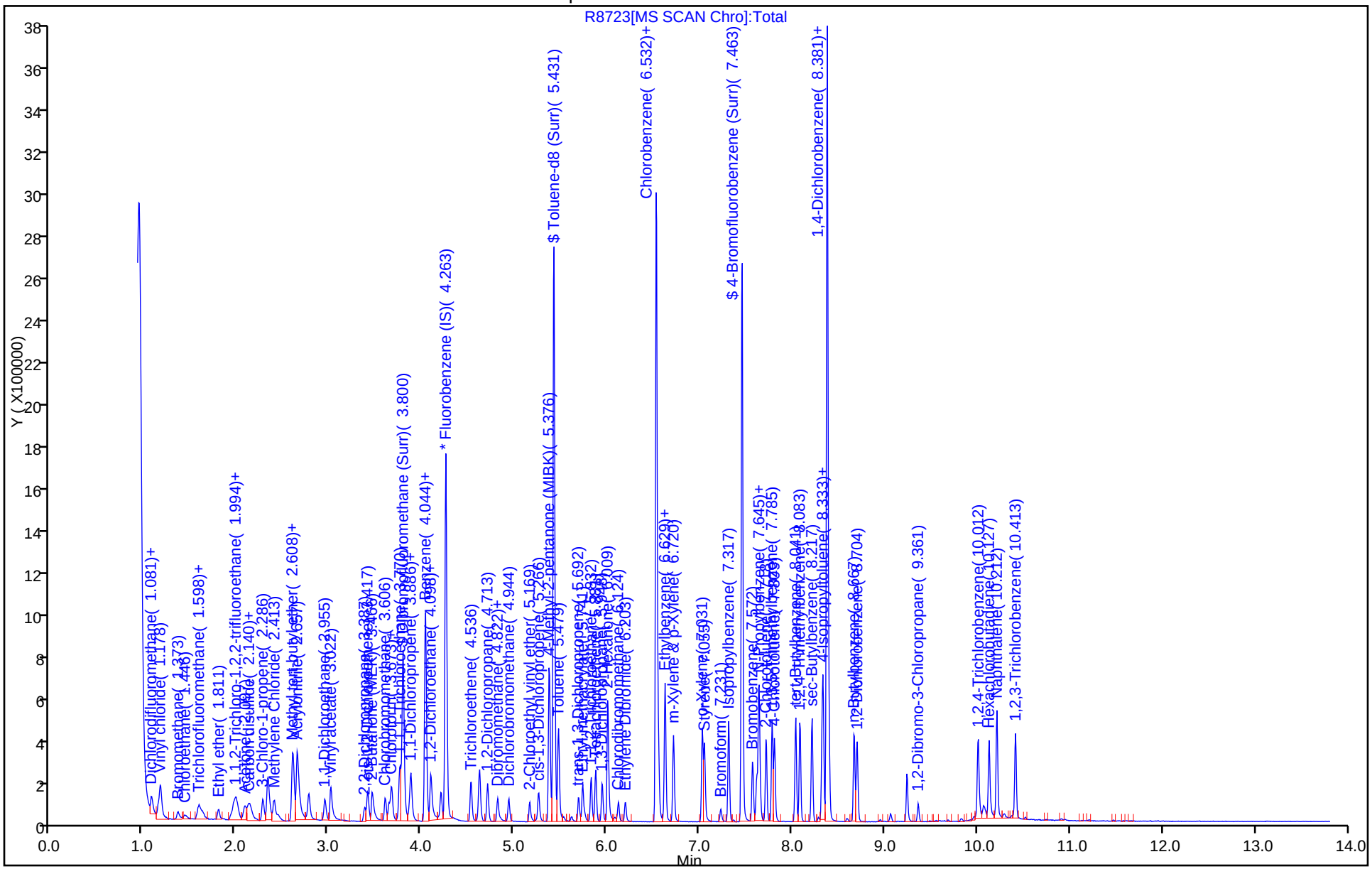
Review Flags
M - Manually Integrated

Report Date: 02-May-2014 15:04:59 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8723.D

Injection Date:	02-May-2014 14:13:30	Instrument ID:	HP5973R	Operator ID:	TRB
Lims ID:	IC			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	R 624-1	Limit Group:	MV - 624 ICAL UP		



Manual Integration/User Assign Peak Report

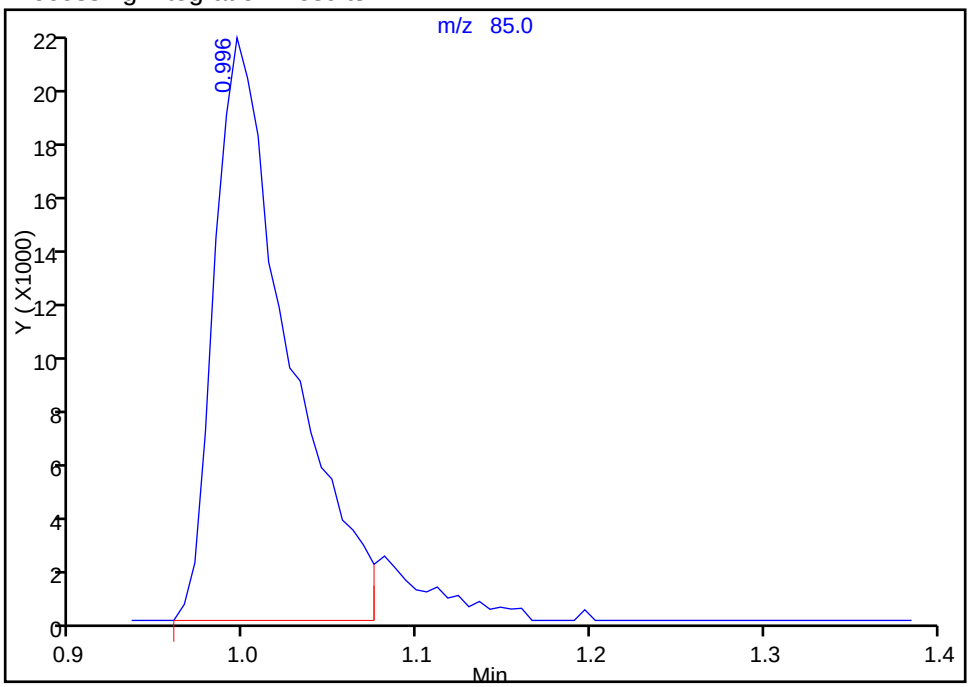
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8723.D
Injection Date: 02-May-2014 14:13:30 Instrument ID: HP5973R
Lims ID: IC
Client ID:
Operator ID: TRB ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: R 624-1 Limit Group: MV - 624 ICAL UP
Column: Detector MS SCAN

9 Dichlorodifluoromethane, CAS: 75-71-8

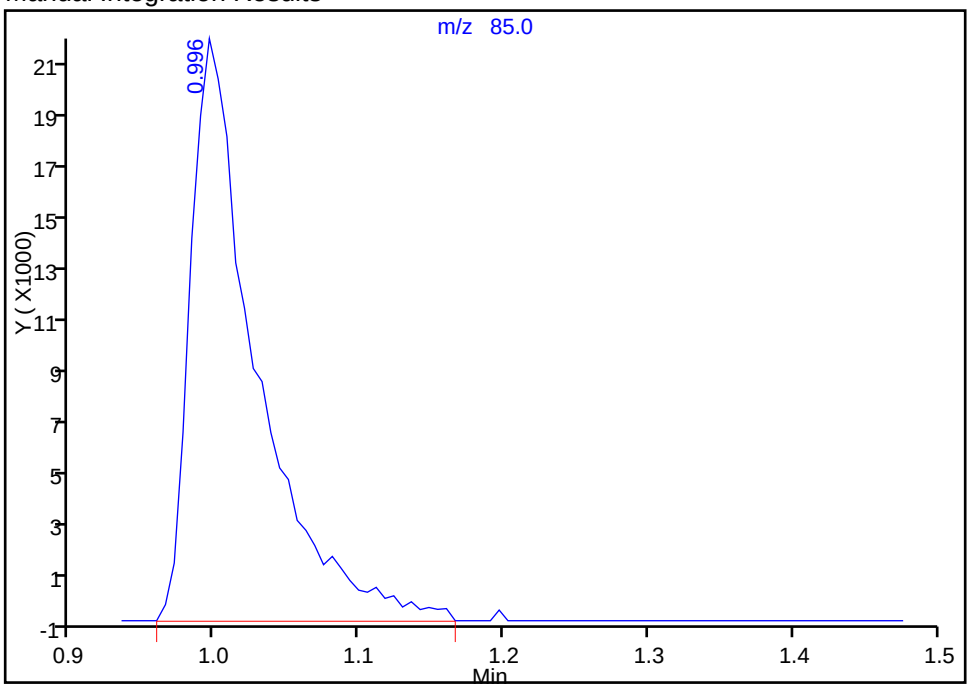
Processing Integration Results

RT: 1.00
Response: 63582
Amount: 5.262610



Manual Integration Results

RT: 1.00
Response: 68900
Amount: 5.540201



Reviewer: BrandtT, 02-May-2014 15:04:58
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

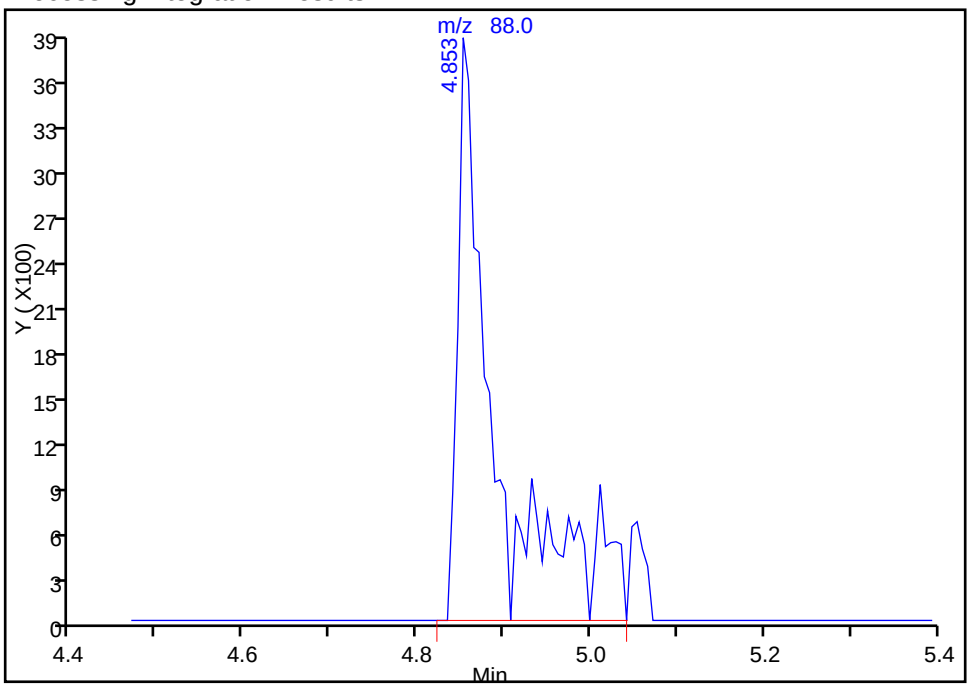
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8723.D
Injection Date: 02-May-2014 14:13:30 Instrument ID: HP5973R
Lims ID: IC
Client ID:
Operator ID: TRB ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: R 624-1 Limit Group: MV - 624 ICAL UP
Column: Detector MS SCAN

57 1,4-Dioxane, CAS: 123-91-1

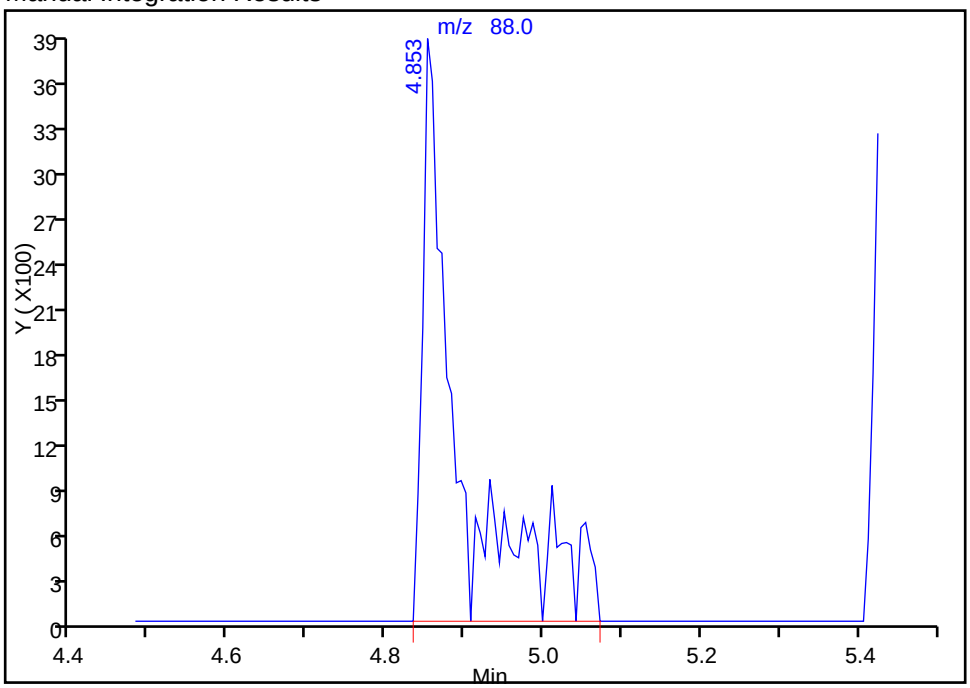
Processing Integration Results

RT: 4.85
Response: 11868
Amount: 113.0257



Manual Integration Results

RT: 4.85
Response: 12638
Amount: 117.4870



Reviewer: BrandtT, 02-May-2014 15:04:34
Audit Action: Manually Integrated
Audit Reason: Peak Tail

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCVIS 480-180671/3 Calibration Date: 05/07/2014 13:28

Instrument ID: HP5973R Calib Start Date: 05/02/2014 13:03

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 05/02/2014 14:13

Lab File ID: R8818.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	0.2983	0.4211		28.2	20.0	41.2	100.0
Chloromethane	Ave	0.3083	0.3909		25.4	20.0	26.8	99.0
Vinyl chloride	Ave	0.3092	0.3657		23.7	20.0	18.3	96.0
Bromomethane	Ave	0.1596	0.1888		23.7	20.0	18.3	86.0
Chloroethane	Ave	0.1319	0.1593		24.2	20.0	20.8	62.0
Dichlorofluoromethane	Ave	0.3647	0.4808		26.4	20.0	31.8	100.0
Trichlorofluoromethane	Ave	0.2922	0.4102		28.1	20.0	40.4	52.0
Ethyl ether	Ave	0.1590	0.1885		23.7	20.0	18.6	100.0
Acrolein	Ave	0.0271	0.0417		154	100	53.9	100.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2222	0.2748		24.7	20.0	23.7	100.0
1,1-Dichloroethene	Ave	0.2124	0.2567		24.2	20.0	20.9	49.0
Acetone	Ave	0.0801	0.1252		156	100	56.3	100.0
Iodomethane	Ave	0.4592	0.5207		22.7	20.0	13.4	100.0
Carbon disulfide	Ave	0.6582	0.7549		22.9	20.0	14.7	100.0
Allyl chloride	Ave	0.3797	0.4209		22.2	20.0	10.9	100.0
Methylene Chloride	Ave	0.2668	0.3042		22.8	20.0	14.0	39.5
t-Butanol	Ave	0.0343	0.0522		304	200	51.9	100.0
Methyl tert-butyl ether	Ave	0.7997	0.9326		23.3	20.0	16.6	100.0
trans-1,2-Dichloroethene	Ave	0.2394	0.2774		23.2	20.0	15.9	30.5
Acrylonitrile	Ave	0.1197	0.1552		259	200	29.7	100.0
1,1-Dichloroethane	Ave	0.4250	0.4851		22.8	20.0	14.2	27.5
Vinyl acetate	Ave	0.5704	0.6529		45.8	40.0	14.5	100.0
2,2-Dichloropropane	Ave	0.1833	0.1971		21.5	20.0	7.5	100.0
cis-1,2-Dichloroethene	Ave	0.2653	0.3071		23.2	20.0	15.8	100.0
2-Butanone (MEK)	Ave	0.1645	0.2264		138	100	37.6	100.0
Bromochloromethane	Ave	0.1318	0.1557		23.6	20.0	18.1	100.0
Tetrahydrofuran	Ave	0.1154	0.1481		51.3	40.0	28.3	100.0
Chloroform	Ave	0.4389	0.5098		23.2	20.0	16.2	32.5
1,1,1-Trichloroethane	Ave	0.3407	0.3886		22.8	20.0	14.1	25.0
Carbon tetrachloride	Ave	0.2810	0.3164		22.5	20.0	12.6	27.0
1,1-Dichloropropene	Ave	0.3066	0.3491		22.8	20.0	13.9	100.0
Benzene	Ave	0.9570	1.115		23.3	20.0	16.5	36.0
Isobutyl alcohol	Ave	0.0135	0.0193		717	500	43.4	100.0
1,2-Dichloroethane	Ave	0.3462	0.3994		23.1	20.0	15.4	32.0
Trichloroethene	Ave	0.2555	0.3005		23.5	20.0	17.6	33.5
1,2-Dichloropropane	Ave	0.2348	0.2717		23.1	20.0	15.7	66.0
Dibromomethane	Ave	0.1582	0.1875		23.7	20.0	18.5	100.0
1,4-Dioxane	Ave	0.0026	0.0035		544	400	36.1	100.0
Dichlorobromomethane	Ave	0.3045	0.3504		23.0	20.0	15.1	34.5
2-Chloroethyl vinyl ether	Ave	0.1629	0.1931		23.7	20.0	18.5	99.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCVIS 480-180671/3 Calibration Date: 05/07/2014 13:28

Instrument ID: HP5973R Calib Start Date: 05/02/2014 13:03

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 05/02/2014 14:13

Lab File ID: R8818.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
cis-1,3-Dichloropropene	Ave	0.3570	0.4034		22.6	20.0	13.0	76.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3283	0.3570		109	100	8.7	100.0
Toluene	Ave	0.5921	0.5827		19.7	20.0	-1.6	25.5
trans-1,3-Dichloropropene	Ave	0.2894	0.2717		18.8	20.0	-6.1	50.0
Ethyl methacrylate	Ave	0.3374	0.3374		20.0	20.0	0.0	100.0
1,1,2-Trichloroethane	Ave	0.1867	0.1844		19.8	20.0	-1.2	29.0
Tetrachloroethene	Ave	0.2589	0.2489		19.2	20.0	-3.9	26.5
1,3-Dichloropropane	Ave	0.3700	0.3672		19.8	20.0	-0.8	100.0
2-Hexanone	Ave	0.2605	0.2782		107	100	6.8	100.0
Chlorodibromomethane	Ave	0.2124	0.1979		18.6	20.0	-6.8	32.5
1,2-Dibromoethane	Ave	0.2411	0.2353		19.5	20.0	-2.4	100.0
Chlorobenzene	Ave	0.6599	0.6489		19.7	20.0	-1.7	34.0
1,1,1,2-Tetrachloroethane	Ave	0.2243	0.2141		19.1	20.0	-4.5	100.0
Ethylbenzene	Ave	1.102	1.106		20.1	20.0	0.4	41.0
m-Xylene & p-Xylene	Ave	0.4285	0.4127		19.3	20.0	-3.7	100.0
o-Xylene	Ave	0.4335	0.4154		19.2	20.0	-4.2	100.0
Styrene	Ave	0.7079	0.6857		19.4	20.0	-3.1	100.0
Bromoform	Ave	0.1514	0.1313		17.4	20.0	-13.2	29.0
Isopropylbenzene	Ave	1.770	1.668		18.8	20.0	-5.8	100.0
Bromobenzene	Ave	0.5039	0.4649		18.5	20.0	-7.7	100.0
1,1,2,2-Tetrachloroethane	Ave	0.5633	0.5148		18.3	20.0	-8.6	39.5
1,2,3-Trichloropropane	Ave	0.1831	0.1665		18.2	20.0	-9.0	100.0
N-Propylbenzene	Ave	2.031	1.925		19.0	20.0	-5.2	100.0
trans-1,4-Dichloro-2-butene	Ave	0.1426	0.1079		15.1	20.0	-24.4	100.0
2-Chlorotoluene	Ave	0.4272	0.3993		18.7	20.0	-6.5	100.0
1,3,5-Trimethylbenzene	Ave	1.478	1.386		18.8	20.0	-6.2	100.0
4-Chlorotoluene	Ave	0.4348	0.4070		18.7	20.0	-6.4	100.0
tert-Butylbenzene	Ave	0.3365	0.3160		18.8	20.0	-6.1	100.0
1,2,4-Trimethylbenzene	Ave	1.512	1.424		18.8	20.0	-5.8	100.0
sec-Butylbenzene	Ave	1.870	1.779		19.0	20.0	-4.9	100.0
1,3-Dichlorobenzene	Ave	0.8726	0.8007		18.4	20.0	-8.2	27.0
4-Isopropyltoluene	Ave	1.529	1.446		18.9	20.0	-5.5	100.0
1,4-Dichlorobenzene	Ave	0.8979	0.8136		18.1	20.0	-9.4	37.0
n-Butylbenzene	Ave	1.298	1.227		18.9	20.0	-5.4	100.0
1,2-Dichlorobenzene	Ave	0.9113	0.8209		18.0	20.0	-9.9	37.0
1,2-Dibromo-3-Chloropropane	Ave	0.1151	0.1064		18.5	20.0	-7.6	100.0
1,2,4-Trichlorobenzene	Ave	0.6343	0.5722		18.0	20.0	-9.8	100.0
Hexachlorobutadiene	Ave	0.3080	0.2957		19.2	20.0	-4.0	100.0
Naphthalene	Ave	1.910	1.792		18.8	20.0	-6.1	100.0
1,2,3-Trichlorobenzene	Ave	0.6492	0.5943		18.3	20.0	-8.5	100.0
Dibromofluoromethane (Surr)	Ave	0.2878	0.3078		32.1	30.0	7.0	100.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCVIS 480-180671/3 Calibration Date: 05/07/2014 13:28

Instrument ID: HP5973R Calib Start Date: 05/02/2014 13:03

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 05/02/2014 14:13

Lab File ID: R8818.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethane-d4 (Surr)	Ave	0.3234	0.3337		31.0	30.0	3.2	100.0
Toluene-d8 (Surr)	Ave	1.056	0.9746		27.7	30.0	-7.7	100.0
4-Bromofluorobenzene (Surr)	Ave	0.5199	0.5351		30.9	30.0	2.9	100.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973R\20140507-31868.b\R8818.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 07-May-2014 13:28:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0031868-003
Operator ID: TRB Instrument ID: HP5973R
Sublist: chrom-R 624-1*sub29

Method: \\Bufchrom\ChromData\HP5973R\20140507-31868.b\R 624-1.m
Limit Group: MV - 624 ICAL UP
Last Update: 07-May-2014 13:48:37 Calib Date: 02-May-2014 14:13:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8723.D

Column 1 : Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: BrandtT Date: 07-May-2014 13:48:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 114 Fluorobenzene (IS)	96	4.263	4.263	0.000	99	947477	30.0	30.0	
* 2 Chlorobenzene-d5	117	6.538	6.538	0.000	83	1209099	30.0	30.0	
* 3 1,4-Dichlorobenzene-d4	152	8.381	8.381	0.000	82	803073	30.0	30.0	
$ 115 Dibromofluoromethane (Surr	113	3.800	3.800	0.000	98	291646	30.0	32.1	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.044	4.044	0.000	96	316203	30.0	31.0	
$ 5 Toluene-d8 (Surr)	98	5.431	5.431	0.000	90	1178344	30.0	27.7	
$ 6 4-Bromofluorobenzene (Surr	95	7.463	7.463	0.000	96	646958	30.0	30.9	
9 Dichlorodifluoromethane	85	1.002	1.002	0.000	86	265988	20.0	28.2	
11 Chloromethane	50	1.093	1.093	0.000	99	246895	20.0	25.4	
12 Vinyl chloride	62	1.178	1.178	0.000	82	231002	20.0	23.7	
13 Bromomethane	94	1.379	1.379	0.000	90	119278	20.0	23.7	
14 Chloroethane	64	1.452	1.452	0.000	98	100588	20.0	24.2	
16 Dichlorofluoromethane	67	1.604	1.604	0.000	83	303699	20.0	26.4	
15 Trichlorofluoromethane	101	1.635	1.635	0.000	86	259113	20.0	28.1	
17 Ethyl ether	59	1.811	1.811	0.000	92	119063	20.0	23.7	
18 Acrolein	56	1.951	1.951	0.000	94	131606	100.0	153.9	
19 1,1,2-Trichloro-1,2,2-trif	101	2.000	2.000	0.000	80	173602	20.0	24.7	
20 1,1-Dichloroethene	96	2.006	2.006	0.000	97	162147	20.0	24.2	
21 Acetone	43	2.085	2.085	0.000	97	395373	100.0	156.3	
22 Iodomethane	142	2.146	2.146	0.000	97	328891	20.0	22.7	
23 Carbon disulfide	76	2.164	2.164	0.000	99	476821	20.0	22.9	
25 3-Chloro-1-propene	41	2.292	2.292	0.000	89	265873	20.0	22.2	
27 Methylene Chloride	84	2.413	2.413	0.000	86	192171	20.0	22.8	
28 2-Methyl-2-propanol	59	2.584	2.584	0.000	92	329476	200.0	303.8	
29 Methyl tert-butyl ether	73	2.608	2.608	0.000	92	589060	20.0	23.3	
30 trans-1,2-Dichloroethene	96	2.614	2.614	0.000	92	175245	20.0	23.2	
31 Acrylonitrile	53	2.657	2.657	0.000	98	980510	200.0	259.4	
32 1,1-Dichloroethane	63	2.961	2.961	0.000	96	306423	20.0	22.8	
34 Vinyl acetate	43	3.016	3.016	0.000	97	824760	40.0	45.8	
37 2,2-Dichloropropane	77	3.393	3.393	0.000	91	124518	20.0	21.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 cis-1,2-Dichloroethene	96	3.423	3.423	0.000	66	193947	20.0	23.2	
39 2-Butanone (MEK)	43	3.454	3.454	0.000	100	714884	100.0	137.6	
42 Chlorobromomethane	128	3.612	3.612	0.000	91	98350	20.0	23.6	
44 Tetrahydrofuran	42	3.636	3.636	0.000	88	187075	40.0	51.3	
45 Chloroform	83	3.679	3.679	0.000	80	322031	20.0	23.2	
46 1,1,1-Trichloroethane	97	3.764	3.764	0.000	97	245488	20.0	22.8	
47 Carbon tetrachloride	117	3.880	3.880	0.000	81	199846	20.0	22.5	
48 1,1-Dichloropropene	75	3.892	3.892	0.000	95	220508	20.0	22.8	
49 Benzene	78	4.044	4.044	0.000	96	704063	20.0	23.3	
50 Isobutyl alcohol	43	4.086	4.086	0.000	93	305186	500.0	717.1	
51 1,2-Dichloroethane	62	4.099	4.099	0.000	90	252290	20.0	23.1	
53 Trichloroethene	95	4.531	4.531	0.000	98	189793	20.0	23.5	
54 1,2-Dichloropropane	63	4.713	4.713	0.000	92	171634	20.0	23.1	
56 Dibromomethane	93	4.816	4.816	0.000	92	118433	20.0	23.7	
57 1,4-Dioxane	88	4.847	4.847	0.000	91	44361	400.0	544.3	
58 Dichlorobromomethane	83	4.944	4.944	0.000	99	221316	20.0	23.0	
60 2-Chloroethyl vinyl ether	63	5.163	5.163	0.000	94	121963	20.0	23.7	
61 cis-1,3-Dichloropropene	75	5.261	5.261	0.000	89	254806	20.0	22.6	
62 4-Methyl-2-pentanone (MIBK	43	5.376	5.376	0.000	97	1438622	100.0	108.7	
63 Toluene	92	5.480	5.480	0.000	98	469714	20.0	19.7	
64 trans-1,3-Dichloropropene	75	5.692	5.692	0.000	90	219043	20.0	18.8	
65 Ethyl methacrylate	69	5.735	5.735	0.000	89	271978	20.0	20.0	
66 1,1,2-Trichloroethane	83	5.832	5.832	0.000	86	148673	20.0	19.8	
67 Tetrachloroethene	166	5.881	5.881	0.000	92	200635	20.0	19.2	
68 1,3-Dichloropropane	76	5.948	5.948	0.000	92	295959	20.0	19.8	
69 2-Hexanone	43	6.009	6.009	0.000	97	1121166	100.0	106.8	
71 Chlorodibromomethane	129	6.124	6.124	0.000	89	159516	20.0	18.6	
72 Ethylene Dibromide	107	6.197	6.197	0.000	99	189695	20.0	19.5	
74 Chlorobenzene	112	6.556	6.556	0.000	94	523060	20.0	19.7	
77 Ethylbenzene	91	6.629	6.629	0.000	98	891897	20.0	20.1	
76 1,1,1,2-Tetrachloroethane	131	6.629	6.629	0.000	39	172582	20.0	19.1	
78 m-Xylene & p-Xylene	106	6.721	6.721	0.000	98	332684	20.0	19.3	
79 o-Xylene	106	7.031	7.031	0.000	98	334833	20.0	19.2	
80 Styrene	104	7.055	7.055	0.000	93	552717	20.0	19.4	
82 Bromoform	173	7.232	7.232	0.000	98	105867	20.0	17.4	
84 Isopropylbenzene	105	7.317	7.317	0.000	95	893102	20.0	18.8	
85 Bromobenzene	156	7.572	7.572	0.000	90	248914	20.0	18.5	
86 1,1,2,2-Tetrachloroethane	83	7.615	7.615	0.000	85	275625	20.0	18.3	
89 1,2,3-Trichloropropane	110	7.639	7.639	0.000	58	89164	20.0	18.2	
87 N-Propylbenzene	91	7.645	7.645	0.000	99	1030695	20.0	19.0	
88 trans-1,4-Dichloro-2-buten	53	7.657	7.657	0.000	56	57756	20.0	15.1	
90 2-Chlorotoluene	126	7.718	7.718	0.000	96	213778	20.0	18.7	
92 1,3,5-Trimethylbenzene	105	7.785	7.785	0.000	92	742057	20.0	18.8	
93 4-Chlorotoluene	126	7.810	7.810	0.000	95	217878	20.0	18.7	
94 tert-Butylbenzene	134	8.041	8.041	0.000	91	169152	20.0	18.8	
95 1,2,4-Trimethylbenzene	105	8.083	8.083	0.000	97	762561	20.0	18.8	
96 sec-Butylbenzene	105	8.217	8.217	0.000	94	952386	20.0	19.0	
98 1,3-Dichlorobenzene	146	8.327	8.327	0.000	97	428657	20.0	18.4	
97 4-Isopropyltoluene	119	8.333	8.333	0.000	97	773925	20.0	18.9	
99 1,4-Dichlorobenzene	146	8.400	8.400	0.000	93	435596	20.0	18.1	
100 n-Butylbenzene	91	8.667	8.667	0.000	98	656947	20.0	18.9	
101 1,2-Dichlorobenzene	146	8.704	8.704	0.000	97	439475	20.0	18.0	

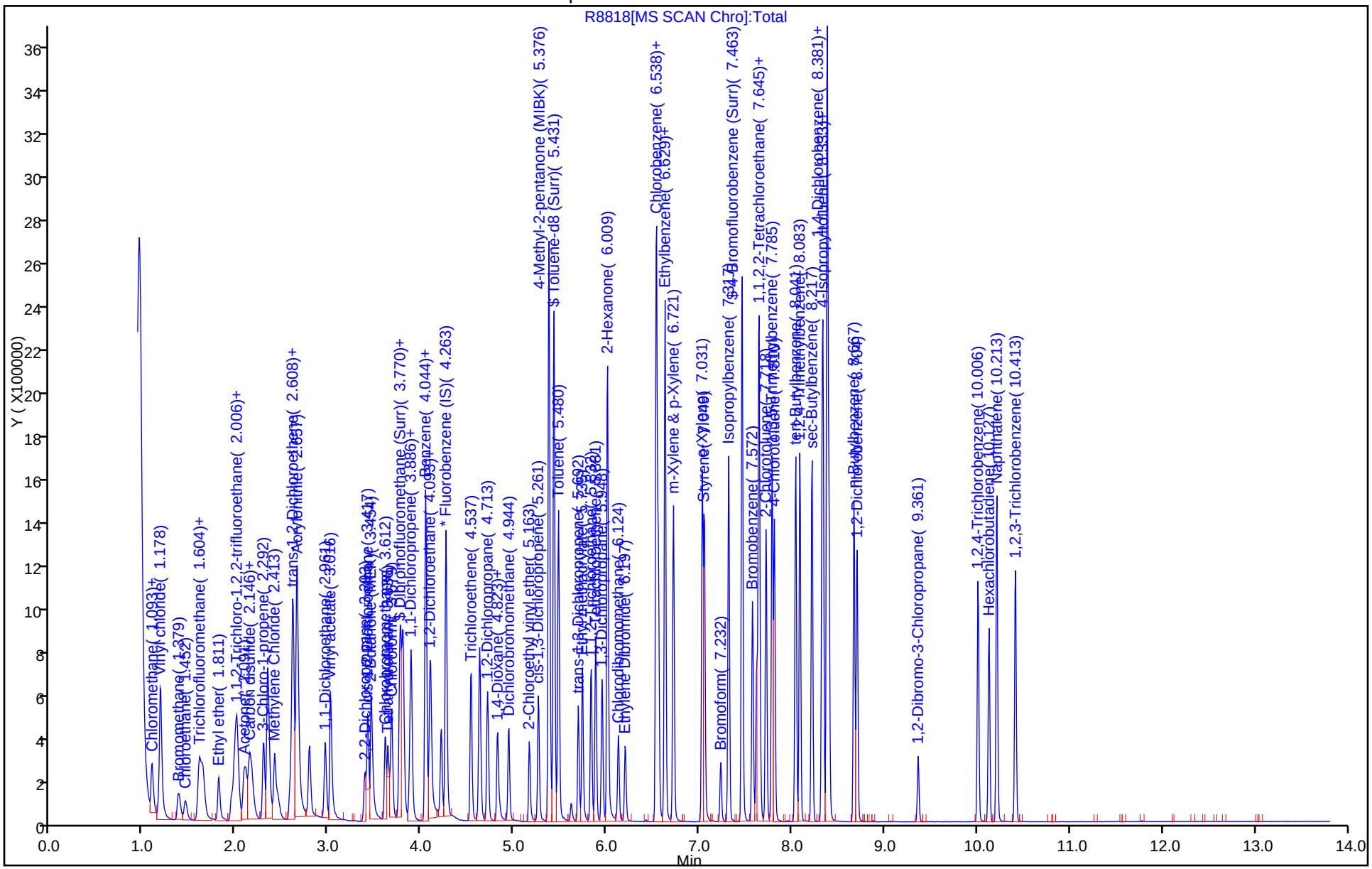
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
102 1,2-Dibromo-3-Chloropropan	75	9.361	9.361	0.000	83	56938	20.0	18.5	
103 1,2,4-Trichlorobenzene	180	10.006	10.006	0.000	89	306360	20.0	18.0	
104 Hexachlorobutadiene	225	10.127	10.127	0.000	94	158294	20.0	19.2	
105 Naphthalene	128	10.213	10.213	0.000	97	959569	20.0	18.8	
106 1,2,3-Trichlorobenzene	180	10.413	10.413	0.000	96	318154	20.0	18.3	
S 107 1,2-Dichloroethene, Total	1				0			46.3	
S 108 Trihalomethanes, Total	1				0			82.2	
S 109 1,3-Dichloropropene, Total	1				0			41.4	
S 110 Total BTEX	1				0			101.5	
S 111 Xylenes, Total	1				0			38.4	

Report Date: 07-May-2014 13:48:37 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973R\20140507-31868.b\R8818.D

Injection Date:	07-May-2014 13:28:30	Instrument ID:	HP5973R	Operator ID:	TRB
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	R 624-1	Limit Group:	MV - 624 ICAL UP		



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8719.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	02-May-2014 12:12:30	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0031705-002				
Operator ID:	TRB	Instrument ID:	HP5973R		
Method:	\\Bufchrom\ChromData\HP5973R\20140502-31705.b\R 624-1.m				
Limit Group:	MV - 624 ICAL UP				
Last Update:	02-May-2014 12:33:40	Calib Date:	05-Mar-2014 15:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\Bufchrom\ChromData\HP5973R\20140305-29959.b\R7427.D				
Column 1 :			Det: MS SCAN		
Process Host:	XAWRK053				
First Level Reviewer: BrandtT		Date:	02-May-2014 12:33:40		

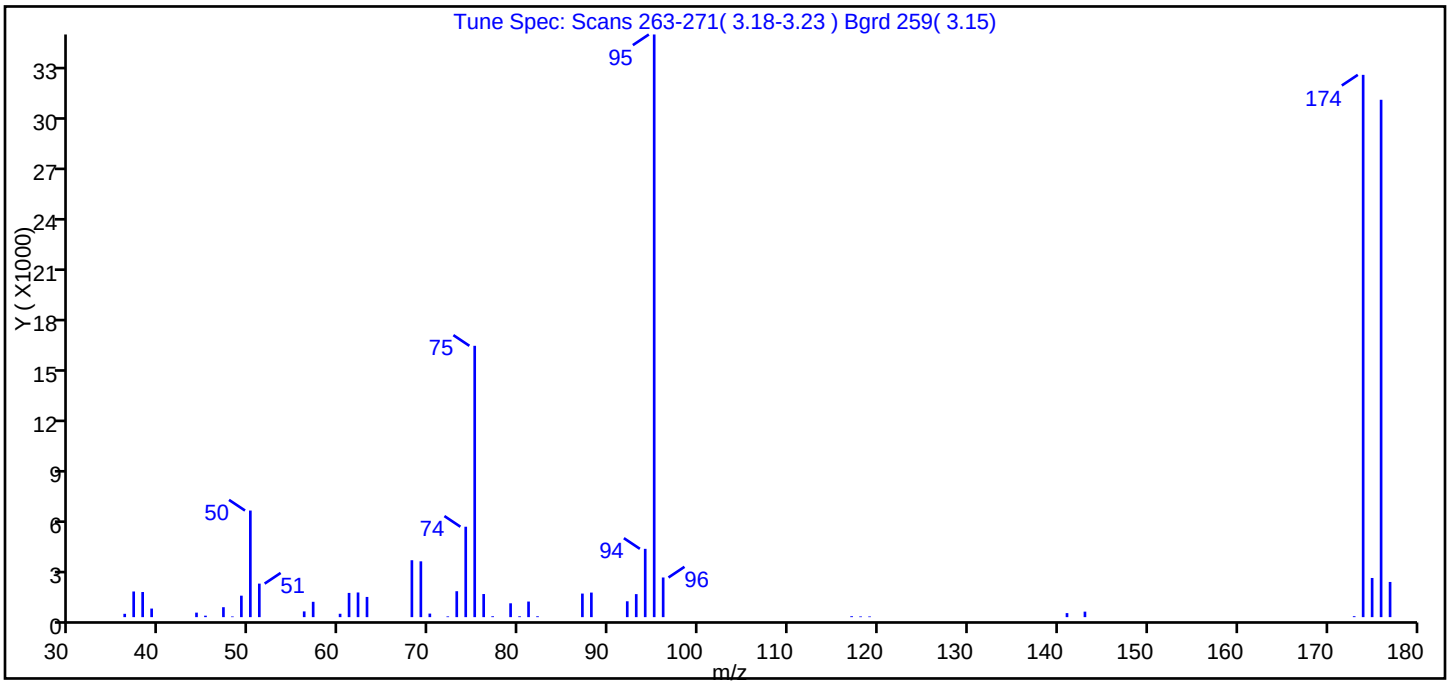
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 BFB									

MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8719.D
Injection Date: 02-May-2014 12:12:30 Instrument ID: HP5973R
Lims ID: BFB
Client ID:
Operator ID: TRB ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: R 624-1 Limit Group: MV - 624 ICAL UP
Tune Method: BFB Method 624

36 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.30
75	30.00 - 60.00% of mass 95	46.60
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.20 (0.20)
174	Greater than 50.00% of mass 95	93.10
175	5.00 - 9.00% of mass 174	6.70 (7.20)
176	95.00 - 101.00% of mass 174	88.80 (95.40)
177	5.00 - 9.00% of mass 176	6.00 (6.80)

Data File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8719.D\R 624-1.rslt\spectra.d
Injection Date: 02-May-2014 12:12:30
Spectrum: Tune Spec: Scans 263-271(3.18-3.23) Bgrd 259(3.15)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 47

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	197	57.00	906	76.00	1365	96.00	2342
37.00	1515	60.00	200	77.00	52	117.00	54
38.00	1484	61.00	1431	79.00	818	118.00	42
39.00	507	62.00	1457	80.00	50	119.00	41
44.00	266	63.00	1193	81.00	921	141.00	239
45.00	86	68.00	3361	82.00	51	143.00	325
47.00	587	69.00	3296	87.00	1392	173.00	55
48.00	40	70.00	210	88.00	1451	174.00	32024
49.00	1268	72.00	44	92.00	937	175.00	2313
50.00	6295	73.00	1531	93.00	1360	176.00	30552
51.00	1980	74.00	5339	94.00	4034	177.00	2078
56.00	339	75.00	16023	95.00	34408		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973R\20140507-31868.b\R8817.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 07-May-2014 13:04:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0031868-002
Operator ID: TRB Instrument ID: HP5973R

Method: \\Bufchrom\ChromData\HP5973R\20140507-31868.b\R 624-1.m
Limit Group: MV - 624 ICAL UP
Last Update: 07-May-2014 13:17:05 Calib Date: 02-May-2014 14:13:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8723.D

Column 1 : Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: BrandtT Date: 07-May-2014 13:17:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags

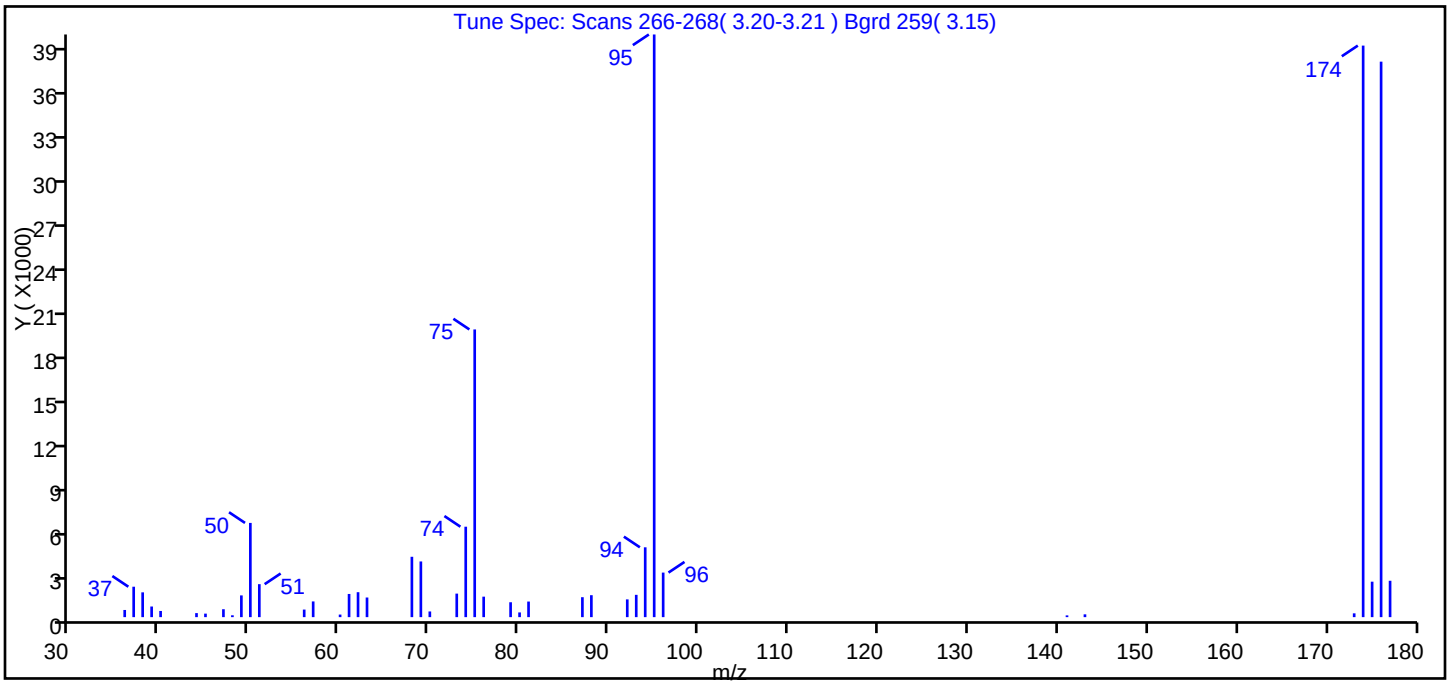
36 BFB

MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973R\20140507-31868.b\R8817.D
Injection Date: 07-May-2014 13:04:30 Instrument ID: HP5973R
Lims ID: BFB
Client ID:
Operator ID: TRB ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: R 624-1 Limit Group: MV - 624 ICAL UP
Tune Method: BFB Method 624

36 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.20
75	30.00 - 60.00% of mass 95	49.40
96	5.00 - 9.00% of mass 95	7.60
173	Less than 2.00% of mass 174	0.70 (0.70)
174	Greater than 50.00% of mass 95	98.10
175	5.00 - 9.00% of mass 174	6.10 (6.20)
176	95.00 - 101.00% of mass 174	95.30 (97.20)
177	5.00 - 9.00% of mass 176	6.20 (6.50)

Data File: \\Bufchrom\ChromData\HP5973R\20140507-31868.b\R8817.D\R 624-1.rslt\spectra.d
Injection Date: 07-May-2014 13:04:30
Spectrum: Tune Spec: Scans 266-268(3.20-3.21) Bgrd 259(3.15)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 42

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	490	51.00	2252	74.00	6176	95.00	39792
37.00	2078	56.00	517	75.00	19648	96.00	3043
38.00	1693	57.00	1073	76.00	1399	141.00	120
39.00	726	60.00	176	79.00	1017	143.00	192
40.00	422	61.00	1583	80.00	322	173.00	260
44.00	276	62.00	1704	81.00	1065	174.00	39032
45.00	240	63.00	1341	87.00	1362	175.00	2422
47.00	541	68.00	4122	88.00	1499	176.00	37936
48.00	127	69.00	3803	92.00	1213	177.00	2484
49.00	1485	70.00	388	93.00	1523		
50.00	6435	73.00	1607	94.00	4769		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-59386-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-180671/6

Matrix: Water | Lab File ID: R8821.D

Analysis Method: 624 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/07/2014 14:41

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.: 180671 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.26
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.48
75-34-3	1,1-Dichloroethane	ND		5.0	0.59
75-35-4	1,1-Dichloroethene	ND		5.0	0.85
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.44
107-06-2	1,2-Dichloroethane	ND		5.0	0.60
540-59-0	1,2-Dichloroethene, Total	ND		10	3.2
78-87-5	1,2-Dichloropropane	ND		5.0	0.61
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.54
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.51
110-75-8	2-Chloroethyl vinyl ether	ND		25	1.9
107-02-8	Acrolein	ND		100	17
107-13-1	Acrylonitrile	ND		50	1.9
71-43-2	Benzene	ND		5.0	0.60
75-25-2	Bromoform	ND		5.0	0.47
74-83-9	Bromomethane	ND		5.0	1.2
56-23-5	Carbon tetrachloride	ND		5.0	0.51
108-90-7	Chlorobenzene	ND		5.0	0.48
124-48-1	Chlorodibromomethane	ND		5.0	0.41
75-00-3	Chloroethane	ND		5.0	0.87
67-66-3	Chloroform	ND		5.0	0.54
74-87-3	Chloromethane	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.33
75-27-4	Dichlorobromomethane	ND		5.0	0.54
100-41-4	Ethylbenzene	ND		5.0	0.46
75-09-2	Methylene Chloride	ND		5.0	0.81
127-18-4	Tetrachloroethene	ND		5.0	0.34
108-88-3	Toluene	ND		5.0	0.45
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.59
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.44
79-01-6	Trichloroethene	ND		5.0	0.60
75-01-4	Vinyl chloride	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-180671/6

Matrix: Water Lab File ID: R8821.D

Analysis Method: 624 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/07/2014 14:41

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.: 180671 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		72-130
460-00-4	4-Bromofluorobenzene (Surr)	104		69-121
2037-26-5	Toluene-d8 (Surr)	90		70-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973R\20140507-31868.b\R8821.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 07-May-2014 14:41:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0031868-006
Operator ID: TRB Instrument ID: HP5973R

Method: \\Bufchrom\ChromData\HP5973R\20140507-31868.b\R 624-1.m
Limit Group: MV - 624 ICAL UP
Last Update: 07-May-2014 15:00:10 Calib Date: 02-May-2014 14:13:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8723.D

Column 1 : Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: BrandtT Date: 07-May-2014 15:00:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 114 Fluorobenzene (IS)	96	4.269	4.263	0.006	99	988175	30.0	30.0	
* 2 Chlorobenzene-d5	117	6.538	6.538	0.000	86	1222533	30.0	30.0	
* 3 1,4-Dichlorobenzene-d4	152	8.382	8.381	0.001	94	813445	30.0	30.0	
$ 115 Dibromofluoromethane (Surr	113	3.807	3.800	0.007	98	291543	30.0	30.8	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.044	4.044	0.000	99	335966	30.0	31.5	
$ 5 Toluene-d8 (Surr)	98	5.431	5.431	0.000	92	1167185	30.0	27.1	
$ 6 4-Bromofluorobenzene (Surr	95	7.463	7.463	0.000	97	659365	30.0	31.1	
9 Dichlorodifluoromethane	85		1.002						
10 Chlorodifluoromethane	51		1.020						
11 Chloromethane	50		1.093						
12 Vinyl chloride	62		1.178						
13 Bromomethane	94		1.379						
14 Chloroethane	64		1.452						
16 Dichlorofluoromethane	67		1.604						
15 Trichlorofluoromethane	101		1.635						
17 Ethyl ether	59		1.811						
18 Acrolein	56		1.951						
19 1,1,2-Trichloro-1,2,2-trif	101		2.000						
20 1,1-Dichloroethene	96		2.006						
21 Acetone	43		2.085						
22 Iodomethane	142		2.146						
23 Carbon disulfide	76		2.164						
24 Isopropyl alcohol	45		2.261						
25 3-Chloro-1-propene	41		2.292						
26 Acetonitrile	41		2.347						
27 Methylene Chloride	84		2.413						
28 2-Methyl-2-propanol	59		2.584						
29 Methyl tert-butyl ether	73		2.608						
30 trans-1,2-Dichloroethene	96		2.614						
31 Acrylonitrile	53		2.657						
32 1,1-Dichloroethane	63		2.961						

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Isopropyl ether	45		2.991						
34 Vinyl acetate	43		3.016						
35 2-Chloro-1,3-butadiene	53		3.016						
37 2,2-Dichloropropane	77		3.393						
38 cis-1,2-Dichloroethene	96		3.423						
39 2-Butanone (MEK)	43		3.454						
40 Ethyl acetate	43		3.496						
41 Propionitrile	54		3.533						
42 Chlorobromomethane	128		3.612						
43 Methacrylonitrile	41		3.624						
44 Tetrahydrofuran	42		3.636						
45 Chloroform	83		3.679						
46 1,1,1-Trichloroethane	97		3.764						
47 Carbon tetrachloride	117		3.880						
48 1,1-Dichloropropene	75		3.892						
49 Benzene	78		4.044						
50 Isobutyl alcohol	43		4.086						
51 1,2-Dichloroethane	62		4.099						
52 Isopropyl acetate	61		4.141						
53 Trichloroethene	95		4.531						
54 1,2-Dichloropropane	63		4.713						
55 Methyl methacrylate	41		4.810						
56 Dibromomethane	93		4.816						
57 1,4-Dioxane	88		4.847						
58 Dichlorobromomethane	83		4.944						
59 2-Nitropropane	43		5.133						
60 2-Chloroethyl vinyl ether	63		5.163						
61 cis-1,3-Dichloropropene	75		5.261						
62 4-Methyl-2-pentanone (MIBK	43		5.376						
63 Toluene	92		5.480						
64 trans-1,3-Dichloropropene	75		5.692						
65 Ethyl methacrylate	69		5.735						
66 1,1,2-Trichloroethane	83		5.832						
67 Tetrachloroethene	166		5.881						
68 1,3-Dichloropropane	76		5.948						
69 2-Hexanone	43		6.009						
70 n-Butyl acetate	56		6.100						
71 Chlorodibromomethane	129		6.124						
72 Ethylene Dibromide	107		6.197						
73 3-Chlorobenzotrifluoride	180		6.544						
74 Chlorobenzene	112		6.556						
75 4-Chlorobenzotrifluoride	180		6.593						
77 Ethylbenzene	91		6.629						
76 1,1,1,2-Tetrachloroethane	131		6.629						
78 m-Xylene & p-Xylene	106		6.721						
79 o-Xylene	106		7.031						
80 Styrene	104		7.055						
81 Amyl acetate (mixed isomer	70		7.207						
82 Bromoform	173		7.232						
83 2-Chlorobenzotrifluoride	180		7.262						
84 Isopropylbenzene	105		7.317						
85 Bromobenzene	156		7.572						

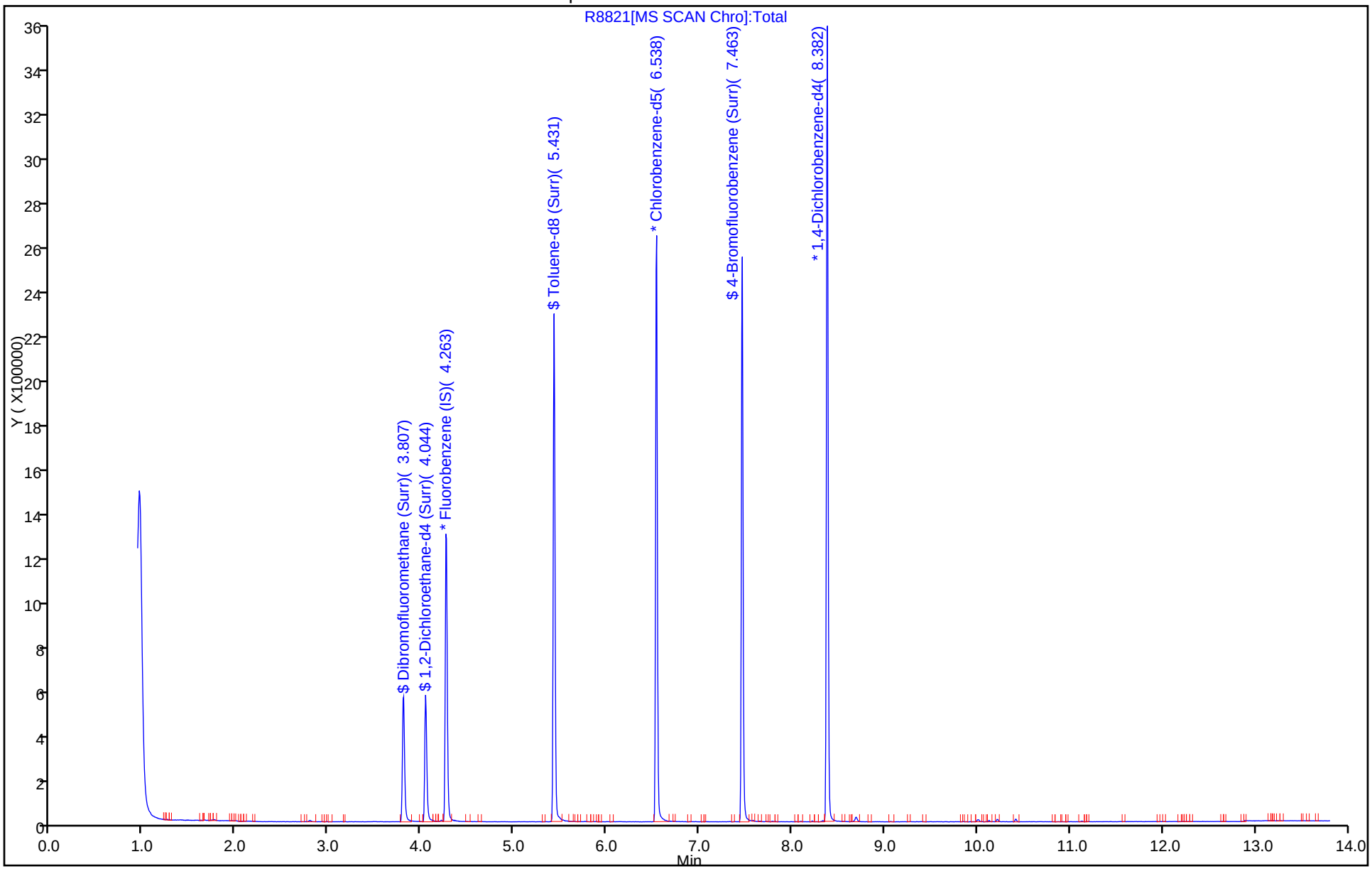
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
86 1,1,2,2-Tetrachloroethane	83		7.615						
89 1,2,3-Trichloropropane	110		7.639						
87 N-Propylbenzene	91		7.645						
88 trans-1,4-Dichloro-2-buten	53		7.657						
90 2-Chlorotoluene	126		7.718						
91 3-Chlorotoluene	126		7.773						
92 1,3,5-Trimethylbenzene	105		7.785						
93 4-Chlorotoluene	126		7.810						
94 tert-Butylbenzene	134		8.041						
95 1,2,4-Trimethylbenzene	105		8.083						
96 sec-Butylbenzene	105		8.217						
98 1,3-Dichlorobenzene	146		8.327						
97 4-Isopropyltoluene	119		8.333						
99 1,4-Dichlorobenzene	146		8.400						
100 n-Butylbenzene	91		8.667						
101 1,2-Dichlorobenzene	146		8.704						
102 1,2-Dibromo-3-Chloropropan	75		9.361						
103 1,2,4-Trichlorobenzene	180		10.006						
104 Hexachlorobutadiene	225		10.127						
105 Naphthalene	128		10.213						
106 1,2,3-Trichlorobenzene	180		10.413						
S 107 1,2-Dichloroethene, Total	1		2.360						
S 108 Trihalomethanes, Total	1		4.130						
S 109 1,3-Dichloropropene, Total	1		5.604						
S 111 Xylenes, Total	1		7.060						
S 110 Total BTEX	1		7.060						
T 112 Aziridine TIC	42		0.000						
T 113 bis(2-chloromethyl)ether T	1		0.000						
T 8 Propanol TIC	59		0.000						
T 7 bis(chloromethyl)ether TIC	79		0.000						

Report Date: 07-May-2014 15:00:10 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973R\20140507-31868.b\R8821.D

Injection Date:	07-May-2014 14:41:30	Instrument ID:	HP5973R	Operator ID:	TRB
Lims ID:	MB			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	R 624-1	Limit Group:	MV - 624 ICAL UP		



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-59386-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-180671/5

Matrix: Water | Lab File ID: R8820.D

Analysis Method: 624 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/07/2014 14:17

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.: 180671 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	23.4		5.0	0.39
79-34-5	1,1,2,2-Tetrachloroethane	18.5		5.0	0.26
79-00-5	1,1,2-Trichloroethane	19.0		5.0	0.48
75-34-3	1,1-Dichloroethane	23.1		5.0	0.59
75-35-4	1,1-Dichloroethene	23.5		5.0	0.85
95-50-1	1,2-Dichlorobenzene	18.2		5.0	0.44
107-06-2	1,2-Dichloroethane	23.4		5.0	0.60
540-59-0	1,2-Dichloroethene, Total	47.2		10	3.2
78-87-5	1,2-Dichloropropane	22.6		5.0	0.61
541-73-1	1,3-Dichlorobenzene	18.0		5.0	0.54
106-46-7	1,4-Dichlorobenzene	18.3		5.0	0.51
110-75-8	2-Chloroethyl vinyl ether	21.6	J	25	1.9
107-02-8	Acrolein	73.2	J	100	17
107-13-1	Acrylonitrile	249		50	1.9
71-43-2	Benzene	23.1		5.0	0.60
75-25-2	Bromoform	15.2		5.0	0.47
74-83-9	Bromomethane	25.1		5.0	1.2
56-23-5	Carbon tetrachloride	23.0		5.0	0.51
108-90-7	Chlorobenzene	19.6		5.0	0.48
124-48-1	Chlorodibromomethane	17.8		5.0	0.41
75-00-3	Chloroethane	24.6		5.0	0.87
67-66-3	Chloroform	23.3		5.0	0.54
74-87-3	Chloromethane	26.6		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	21.4		5.0	0.33
75-27-4	Dichlorobromomethane	21.4		5.0	0.54
100-41-4	Ethylbenzene	20.0		5.0	0.46
75-09-2	Methylene Chloride	23.8		5.0	0.81
127-18-4	Tetrachloroethene	20.0		5.0	0.34
108-88-3	Toluene	19.7		5.0	0.45
156-60-5	trans-1,2-Dichloroethene	24.1		5.0	0.59
10061-02-6	trans-1,3-Dichloropropene	19.5		5.0	0.44
79-01-6	Trichloroethene	23.8		5.0	0.60
75-01-4	Vinyl chloride	25.0		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-180671/5

Matrix: Water Lab File ID: R8820.D

Analysis Method: 624 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/07/2014 14:17

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.: 180671 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		72-130
460-00-4	4-Bromofluorobenzene (Surr)	104		69-121
2037-26-5	Toluene-d8 (Surr)	93		70-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973R\20140507-31868.b\R8820.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 07-May-2014 14:17:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0031868-005
Operator ID: TRB Instrument ID: HP5973R

Method: \\Bufchrom\ChromData\HP5973R\20140507-31868.b\R 624-1.m
Limit Group: MV - 624 ICAL UP
Last Update: 07-May-2014 14:37:38 Calib Date: 02-May-2014 14:13:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973R\20140502-31705.b\R8723.D

Column 1 : Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: BrandtT Date: 07-May-2014 14:37:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 114 Fluorobenzene (IS)	96	4.263	4.263	0.000	98	982524	30.0	30.0	
* 2 Chlorobenzene-d5	117	6.538	6.538	0.000	83	1167949	30.0	30.0	
* 3 1,4-Dichlorobenzene-d4	152	8.381	8.381	0.000	90	783098	30.0	30.0	
$ 115 Dibromofluoromethane (Surr	113	3.801	3.800	0.001	97	303534	30.0	32.2	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.044	4.044	0.000	98	321499	30.0	30.4	
$ 5 Toluene-d8 (Surr)	98	5.431	5.431	0.000	90	1144979	30.0	27.8	
$ 6 4-Bromofluorobenzene (Surr	95	7.463	7.463	0.000	97	630496	30.0	31.1	
9 Dichlorodifluoromethane	85	0.996	1.002	-0.006	87	290328	20.0	29.7	
11 Chloromethane	50	1.087	1.093	-0.006	89	268757	20.0	26.6	
12 Vinyl chloride	62	1.172	1.178	-0.006	96	253213	20.0	25.0	
13 Bromomethane	94	1.379	1.379	0.000	90	131289	20.0	25.1	
14 Chloroethane	64	1.446	1.452	-0.006	94	106181	20.0	24.6	
16 Dichlorofluoromethane	67	1.598	1.604	-0.006	97	303621	20.0	25.4	
15 Trichlorofluoromethane	101	1.635	1.635	0.000	83	269260	20.0	28.1	
17 Ethyl ether	59	1.805	1.811	-0.006	91	117036	20.0	22.5	
18 Acrolein	56	1.951	1.951	0.000	91	64941	100.0	73.2	
19 1,1,2-Trichloro-1,2,2-trif	101	2.000	2.000	0.000	86	172629	20.0	23.7	
20 1,1-Dichloroethene	96	2.006	2.006	0.000	97	163767	20.0	23.5	
21 Acetone	43	2.085	2.085	0.000	98	296580	100.0	113.0	
22 Iodomethane	142	2.140	2.146	-0.006	97	355954	20.0	23.7	
23 Carbon disulfide	76	2.158	2.164	-0.006	99	495979	20.0	23.0	
25 3-Chloro-1-propene	41	2.292	2.292	0.000	89	245777	20.0	19.8	
27 Methylene Chloride	84	2.413	2.413	0.000	90	207573	20.0	23.8	
28 2-Methyl-2-propanol	59	2.584	2.584	0.000	90	220334	200.0	195.9	
29 Methyl tert-butyl ether	73	2.608	2.608	0.000	91	614089	20.0	23.4	
30 trans-1,2-Dichloroethene	96	2.614	2.614	0.000	90	188835	20.0	24.1	
31 Acrylonitrile	53	2.657	2.657	0.000	98	977079	200.0	249.3	
32 1,1-Dichloroethane	63	2.961	2.961	0.000	96	321273	20.0	23.1	
34 Vinyl acetate	43	3.016	3.016	0.000	97	870211	40.0	46.6	
37 2,2-Dichloropropane	77	3.393	3.393	0.000	89	137558	20.0	22.9	
38 cis-1,2-Dichloroethene	96	3.423	3.423	0.000	63	200513	20.0	23.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 2-Butanone (MEK)	43	3.460	3.454	0.006	100	654389	100.0	121.5	
42 Chlorobromomethane	128	3.606	3.612	-0.006	93	100706	20.0	23.3	
44 Tetrahydrofuran	42	3.636	3.636	0.000	89	169313	40.0	44.8	
45 Chloroform	83	3.679	3.679	0.000	83	335244	20.0	23.3	
46 1,1,1-Trichloroethane	97	3.764	3.764	0.000	93	261589	20.0	23.4	
47 Carbon tetrachloride	117	3.880	3.880	0.000	80	211644	20.0	23.0	
48 1,1-Dichloropropene	75	3.886	3.892	-0.006	93	248594	20.0	24.8	
49 Benzene	78	4.050	4.044	0.006	96	723388	20.0	23.1	
50 Isobutyl alcohol	43	4.093	4.086	0.007	87	241543	500.0	547.3	
51 1,2-Dichloroethane	62	4.099	4.099	0.000	92	264797	20.0	23.4	
53 Trichloroethene	95	4.537	4.531	0.006	94	198755	20.0	23.8	
54 1,2-Dichloropropane	63	4.713	4.713	0.000	92	173419	20.0	22.6	
56 Dibromomethane	93	4.823	4.816	0.007	87	121774	20.0	23.5	
57 1,4-Dioxane	88	4.847	4.847	0.000	87	42171	400.0	499.0	
58 Dichlorobromomethane	83	4.938	4.944	-0.006	93	213161	20.0	21.4	
60 2-Chloroethyl vinyl ether	63	5.163	5.163	0.000	92	115520	20.0	21.6	
61 cis-1,3-Dichloropropene	75	5.261	5.261	0.000	88	250042	20.0	21.4	
62 4-Methyl-2-pentanone (MIBK	43	5.376	5.376	0.000	97	1427915	100.0	111.7	
63 Toluene	92	5.480	5.480	0.000	98	455248	20.0	19.7	
64 trans-1,3-Dichloropropene	75	5.693	5.692	0.001	90	219477	20.0	19.5	
65 Ethyl methacrylate	69	5.735	5.735	0.000	89	258023	20.0	19.6	
66 1,1,2-Trichloroethane	83	5.832	5.832	0.000	92	138397	20.0	19.0	
67 Tetrachloroethene	166	5.881	5.881	0.000	92	201570	20.0	20.0	
68 1,3-Dichloropropane	76	5.948	5.948	0.000	92	275419	20.0	19.1	
69 2-Hexanone	43	6.009	6.009	0.000	98	1056491	100.0	104.2	
71 Chlorodibromomethane	129	6.124	6.124	0.000	87	147551	20.0	17.8	
72 Ethylene Dibromide	107	6.197	6.197	0.000	98	183153	20.0	19.5	
74 Chlorobenzene	112	6.556	6.556	0.000	95	502708	20.0	19.6	
77 Ethylbenzene	91	6.629	6.629	0.000	98	857615	20.0	20.0	
76 1,1,1,2-Tetrachloroethane	131	6.629	6.629	0.000	39	171103	20.0	19.6	
78 m-Xylene & p-Xylene	106	6.721	6.721	0.000	99	314548	20.0	18.9	
79 o-Xylene	106	7.031	7.031	0.000	97	331523	20.0	19.6	
80 Styrene	104	7.055	7.055	0.000	92	510059	20.0	18.5	
82 Bromoform	173	7.232	7.232	0.000	98	89349	20.0	15.2	
84 Isopropylbenzene	105	7.317	7.317	0.000	95	881468	20.0	19.1	
85 Bromobenzene	156	7.572	7.572	0.000	89	240937	20.0	18.3	
86 1,1,2,2-Tetrachloroethane	83	7.621	7.615	0.006	92	271432	20.0	18.5	
89 1,2,3-Trichloropropane	110	7.639	7.639	0.000	74	88830	20.0	18.6	
87 N-Propylbenzene	91	7.645	7.645	0.000	99	995352	20.0	18.8	
88 trans-1,4-Dichloro-2-buten	53	7.658	7.657	0.001	50	45001	20.0	12.1	
90 2-Chlorotoluene	126	7.718	7.718	0.000	96	204635	20.0	18.3	
92 1,3,5-Trimethylbenzene	105	7.785	7.785	0.000	92	724177	20.0	18.8	
93 4-Chlorotoluene	126	7.810	7.810	0.000	95	207113	20.0	18.2	
94 tert-Butylbenzene	134	8.041	8.041	0.000	87	165067	20.0	18.8	
95 1,2,4-Trimethylbenzene	105	8.083	8.083	0.000	97	732192	20.0	18.6	
96 sec-Butylbenzene	105	8.217	8.217	0.000	94	930507	20.0	19.1	
98 1,3-Dichlorobenzene	146	8.327	8.327	0.000	97	409850	20.0	18.0	
97 4-Isopropyltoluene	119	8.333	8.333	0.000	96	740391	20.0	18.6	
99 1,4-Dichlorobenzene	146	8.400	8.400	0.000	92	428156	20.0	18.3	
100 n-Butylbenzene	91	8.667	8.667	0.000	98	628266	20.0	18.5	
101 1,2-Dichlorobenzene	146	8.704	8.704	0.000	96	433668	20.0	18.2	
102 1,2-Dibromo-3-Chloropropan	75	9.361	9.361	0.000	83	55790	20.0	18.6	

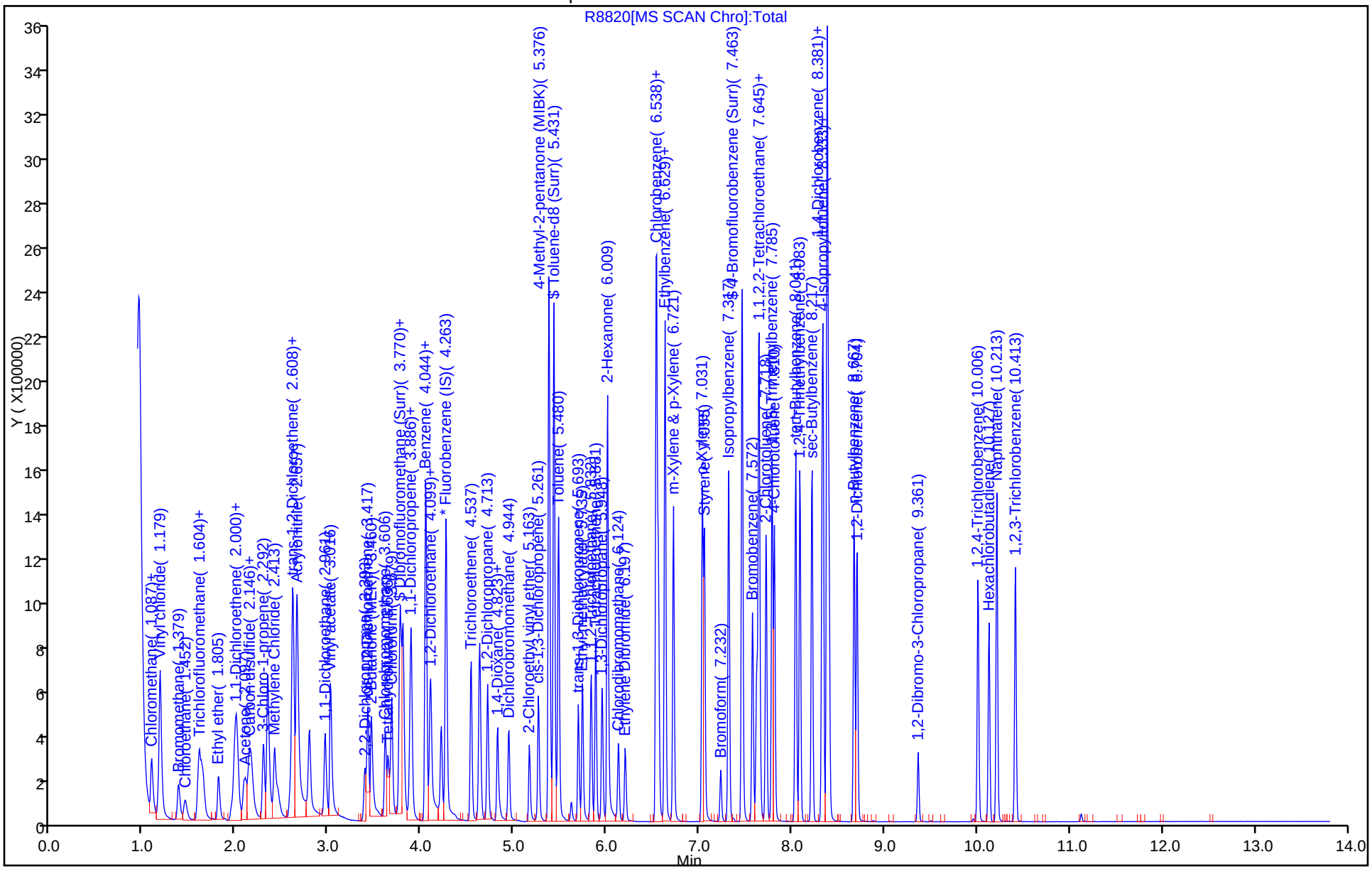
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
103 1,2,4-Trichlorobenzene	180	10.006	10.006	0.000	92	310454	20.0	18.8	
104 Hexachlorobutadiene	225	10.127	10.127	0.000	92	160315	20.0	19.9	
105 Naphthalene	128	10.213	10.213	0.000	97	968645	20.0	19.4	
106 1,2,3-Trichlorobenzene	180	10.413	10.413	0.000	96	320594	20.0	18.9	

Report Date: 07-May-2014 14:37:38 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973R\20140507-31868.b\R8820.D

Injection Date:	07-May-2014 14:17:30	Instrument ID:	HP5973R	Operator ID:	TRB
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	R 624-1	Limit Group:	MV - 624 ICAL UP		



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: HP5973R Start Date: 05/02/2014 12:12

Analysis Batch Number: 179719 End Date: 05/02/2014 19:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-179719/2		05/02/2014 12:12	1	R8719.D	ZB-624 (60) 0.25(mm)
ICIS 480-179719/4		05/02/2014 13:03	1	R8721.D	ZB-624 (60) 0.25(mm)
IC 480-179719/5		05/02/2014 13:28	1	R8722.D	ZB-624 (60) 0.25(mm)
IC 480-179719/6		05/02/2014 14:13	1	R8723.D	ZB-624 (60) 0.25(mm)
CCVIS 480-179719/7		05/02/2014 14:44	1		ZB-624 (60) 0.25(mm)
CCV 480-179719/8		05/02/2014 15:09	1		ZB-624 (60) 0.25(mm)
ZZZZZ		05/02/2014 15:33	1		ZB-624 (60) 0.25(mm)
ZZZZZ		05/02/2014 15:58	1		ZB-624 (60) 0.25(mm)
ZZZZZ		05/02/2014 16:31	40		ZB-624 (60) 0.25(mm)
ZZZZZ		05/02/2014 16:55	20		ZB-624 (60) 0.25(mm)
ZZZZZ		05/02/2014 17:20	1		ZB-624 (60) 0.25(mm)
ZZZZZ		05/02/2014 17:45	8		ZB-624 (60) 0.25(mm)
ZZZZZ		05/02/2014 18:10	10		ZB-624 (60) 0.25(mm)
ZZZZZ		05/02/2014 18:35	8		ZB-624 (60) 0.25(mm)
ZZZZZ		05/02/2014 19:00	2		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: HP5973R Start Date: 05/07/2014 13:04

Analysis Batch Number: 180671 End Date: 05/08/2014 09:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-180671/2		05/07/2014 13:04	1	R8817.D	ZB-624 (60) 0.25(mm)
CCVIS 480-180671/3		05/07/2014 13:28	1	R8818.D	ZB-624 (60) 0.25(mm)
CCV 480-180671/4		05/07/2014 13:52	1		ZB-624 (60) 0.25(mm)
LCS 480-180671/5		05/07/2014 14:17	1	R8820.D	ZB-624 (60) 0.25(mm)
MB 480-180671/6		05/07/2014 14:41	1	R8821.D	ZB-624 (60) 0.25(mm)
ZZZZZ		05/07/2014 15:14	1		ZB-624 (60) 0.25(mm)
ZZZZZ		05/07/2014 15:39	1		ZB-624 (60) 0.25(mm)
ZZZZZ		05/07/2014 16:04	1		ZB-624 (60) 0.25(mm)
ZZZZZ		05/07/2014 16:29	1		ZB-624 (60) 0.25(mm)
480-59386-1	PT2-1(L)	05/07/2014 17:18	1	R8827.D	ZB-624 (60) 0.25(mm)
ZZZZZ		05/08/2014 09:04	25		ZB-624 (60) 0.25(mm)

GC/MS VOA Worksheet

Batch Number: 480-180671
Method: 624
Analyst: Brandt, Todd R

Date Open: May 07 2014 1:04PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Initial pH	8260 CORP mix_00011	ADD CORP mix_00008	BFB_WRK_00033
BFB~480-180671/2		624_5ml_UP		1 uL	1 uL				1 uL
CCVIS~480-180671/3		624_5ml_UP		5 mL	5 mL		10 uL		
CCV~480-180671/4		624_5ml_UP		5 mL	5 mL			10 uL	
LCS~480-180671/5		624_5ml_UP		5 mL	5 mL				
MB~480-180671/6		624_5ml_UP		5 mL	5 mL				
480-59346-N-3	PT1-1(L)	624_5ml_UP	T	5 mL	5 mL	7 SU			
480-59346-A-5	TB050614-1	624_5ml_UP	T	5 mL	5 mL	7 SU			
480-59366-C-1	DCP050614-V2040A-PLXX	624_5ml_UP	T	5 mL	5 mL	7 SU			
480-59366-C-2	DCP050614-2C-1A-PLXX	624_5ml_UP	T	5 mL	5 mL	7 SU			
480-59386-M-1	PT2-1(L)	624_5ml_UP	T	5 mL	5 mL	7 SU			
480-59369-D-1	DTVE84-VSEFF-GW-XX	624_5ml_UP	T	5 mL	5 mL	7 SU			

GC/MS VOA Worksheet

Batch Number: 480-180671
Method: 624
Analyst: Brandt, Todd R

Date Open: May 07 2014 1:04PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	GAS CORP mix_00025	ISOPRP_ACT_WK_00027	N-AMYL_ACT_WK_00024	R 624 IS_00063	R 624 SURR_00061	SS 8260 CORP_00006
BFB~480-180671/2		624_5ml_UP							
CCVIS~480-180671/3		624_5ml_UP		10 uL			5 uL	5 uL	
CCV~480-180671/4		624_5ml_UP			10 uL	10 uL	5 uL	5 uL	
LCS~480-180671/5		624_5ml_UP					5 uL	5 uL	10 uL
MB~480-180671/6		624_5ml_UP					5 uL	5 uL	
480-59346-N-3	PT1-1(L)	624_5ml_UP	T				5 uL	5 uL	
480-59346-A-5	TB050614-1	624_5ml_UP	T				5 uL	5 uL	
480-59366-C-1	DCP050614-V2040A-PLXX	624_5ml_UP	T				5 uL	5 uL	
480-59366-C-2	DCP050614-2C-1A-PLXX	624_5ml_UP	T				5 uL	5 uL	
480-59386-M-1	PT2-1(L)	624_5ml_UP	T				5 uL	5 uL	
480-59369-D-1	DTVE84-VSEFF-GW-XX	624_5ml_UP	T				5 uL	5 uL	

GC/MS VOA Worksheet

Batch Number: 480-180671
Method: 624
Analyst: Brandt, Todd R

Date Open: May 07 2014 1:04PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	SS GAS CORP_00019
BFB~480-180671/2		624_5ml_UP		
CCVIS~480-180671/3		624_5ml_UP		
CCV~480-180671/4		624_5ml_UP		
LCS~480-180671/5		624_5ml_UP		10 uL
MB~480-180671/6		624_5ml_UP		
480-59346-N-3	PT1-1(L)	624_5ml_UP	T	
480-59346-A-5	TB050614-1	624_5ml_UP	T	
480-59366-C-1	DCP050614-V2040A-PLXX	624_5ml_UP	T	
480-59366-C-2	DCP050614-2C-1A-PLXX	624_5ml_UP	T	
480-59386-M-1	PT2-1(L)	624_5ml_UP	T	
480-59369-D-1	DTVE84-VSEFF-GW-XX	624_5ml_UP	T	

Method 625

Semivolatile Organic Compounds (GC/MS) by Method 625

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

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 #
PT2-1(L)	480-59386-1	45	32	83	87	96	107
	MB 480-180801/1-A	45	32	75	83	83	112
	LCS 480-180801/2-A	44	33	75	90	109	122
	LCSD 480-180801/3-A	44	32	76	89	108	119

	QC LIMITS
2FP = 2-Fluorophenol	17-120
PHL = Phenol-d5	10-120
NBZ = Nitrobenzene-d5	42-120
FBP = 2-Fluorobiphenyl	44-120
TBP = 2,4,6-Tribromophenol	52-151
TPH = p-Terphenyl-d14	22-125

Column to be used to flag recovery values

FORM II 625

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Matrix: Water Level: Low Lab File ID: U5637.D

Lab ID: LCS 480-180801/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	50.0	36.1	72	44-142	
1,2-Dichlorobenzene	50.0	30.6	61	32-129	
1,3-Dichlorobenzene	50.0	27.7	55	1-172	
1,4-Dichlorobenzene	50.0	28.7	57	20-124	
2,4,6-Trichlorophenol	50.0	51.6	103	37-144	
2,4-Dichlorophenol	50.0	43.6	87	39-135	
2,4-Dimethylphenol	50.0	42.5	85	32-119	
2,4-Dinitrophenol	100	67.9	68	1-191	
2,4-Dinitrotoluene	50.0	51.1	102	39-139	
2,6-Dinitrotoluene	50.0	49.2	98	50-158	
2-Chloronaphthalene	50.0	48.6	97	60-118	
2-Chlorophenol	50.0	38.3	77	23-134	
2-Nitrophenol	50.0	42.9	86	29-182	
3,3'-Dichlorobenzidine	100	97.3	97	1-262	
4,6-Dinitro-2-methylphenol	100	88.2	88	1-181	
4-Bromophenyl phenyl ether	50.0	53.2	106	53-127	
4-Chloro-3-methylphenol	50.0	46.5	93	22-147	
4-Chlorophenyl phenyl ether	50.0	52.7	105	25-158	
4-Nitrophenol	100	48.5	49	1-132	
Acenaphthene	50.0	48.2	96	47-145	
Acenaphthylene	50.0	49.6	99	33-145	
Anthracene	50.0	54.2	108	27-133	
Benzo[a]anthracene	50.0	57.8	116	33-143	
Benzo[a]pyrene	50.0	58.9	118	17-163	
Benzo[b]fluoranthene	50.0	56.7	113	24-159	
Benzo[g,h,i]perylene	50.0	59.3	119	1-219	
Benzo[k]fluoranthene	50.0	52.7	105	11-162	
bis (2-chloroisopropyl) ether	50.0	36.6	73	36-166	
Bis(2-chloroethoxy)methane	50.0	41.9	84	33-184	
Bis(2-chloroethyl)ether	50.0	39.1	78	12-158	
Bis(2-ethylhexyl) phthalate	50.0	57.7	115	8-158	
Butyl benzyl phthalate	50.0	60.6	121	1-152	
Chrysene	50.0	53.4	107	17-168	
Dibenz(a,h)anthracene	50.0	62.5	125	1-227	
Diethyl phthalate	50.0	54.8	110	1-114	
Dimethyl phthalate	50.0	48.7	97	1-112	
Di-n-butyl phthalate	50.0	59.1	118	1-118	
Di-n-octyl phthalate	50.0	60.9	122	4-146	
Fluoranthene	50.0	58.0	116	26-137	
Fluorene	50.0	50.7	101	59-121	
Hexachlorobenzene	50.0	54.0	108	1-152	
Hexachlorocyclopentadiene	50.0	37.0	74	5-120	

Column to be used to flag recovery and RPD values

FORM III 625

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Matrix: Water Level: Low Lab File ID: U5637.D

Lab ID: LCS 480-180801/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Hexachloroethane	50.0	27.1	54	40-113	
Indeno[1,2,3-cd]pyrene	50.0	54.3	109	1-171	
Isophorone	50.0	43.3	87	21-196	
Naphthalene	50.0	39.7	79	21-133	
Nitrobenzene	50.0	39.7	79	35-180	
N-Nitrosodi-n-propylamine	50.0	41.2	82	1-230	
N-Nitrosodiphenylamine	100	86.7	87	54-125	
Pentachlorophenol	100	114	114	14-176	
Phenanthrene	50.0	52.4	105	54-120	
Phenol	50.0	19.6	39	5-112	
Pyrene	50.0	55.3	111	52-115	

Column to be used to flag recovery and RPD values

FORM III 625

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Matrix: Water Level: Low Lab File ID: U5638.D

Lab ID: LCSD 480-180801/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2,4-Trichlorobenzene	50.0	35.3	71	2	34	44-142	
1,2-Dichlorobenzene	50.0	29.4	59	4	38	32-129	
1,3-Dichlorobenzene	50.0	26.7	53	4	37	1-172	
1,4-Dichlorobenzene	50.0	27.7	55	3	40	20-124	
2,4,6-Trichlorophenol	50.0	51.8	104	0	20	37-144	
2,4-Dichlorophenol	50.0	43.9	88	1	23	39-135	
2,4-Dimethylphenol	50.0	43.8	88	3	18	32-119	
2,4-Dinitrophenol	100	69.9	70	3	29	1-191	
2,4-Dinitrotoluene	50.0	51.4	103	1	20	39-139	
2,6-Dinitrotoluene	50.0	50.1	100	2	17	50-158	
2-Chloronaphthalene	50.0	48.0	96	1	30	60-118	
2-Chlorophenol	50.0	38.0	76	1	26	23-134	
2-Nitrophenol	50.0	43.3	87	1	28	29-182	
3,3'-Dichlorobenzidine	100	100	100	3	31	1-262	
4,6-Dinitro-2-methylphenol	100	87.2	87	1	30	1-181	
4-Bromophenyl phenyl ether	50.0	53.3	107	0	16	53-127	
4-Chloro-3-methylphenol	50.0	46.8	94	1	16	22-147	
4-Chlorophenyl phenyl ether	50.0	53.2	106	1	15	25-158	
4-Nitrophenol	100	48.5	49	0	24	1-132	
Acenaphthene	50.0	48.3	97	0	25	47-145	
Acenaphthylene	50.0	50.0	100	1	22	33-145	
Anthracene	50.0	53.4	107	2	15	27-133	
Benzo[a]anthracene	50.0	56.7	113	2	15	33-143	
Benzo[a]pyrene	50.0	58.6	117	0	15	17-163	
Benzo[b]fluoranthene	50.0	56.4	113	0	17	24-159	
Benzo[g,h,i]perylene	50.0	58.8	118	1	19	1-219	
Benzo[k]fluoranthene	50.0	51.6	103	2	19	11-162	
bis (2-chloroisopropyl) ether	50.0	35.8	72	2	36	36-166	
Bis(2-chloroethoxy)methane	50.0	41.8	84	0	23	33-184	
Bis(2-chloroethyl)ether	50.0	38.1	76	3	33	12-158	
Bis(2-ethylhexyl) phthalate	50.0	56.3	113	3	15	8-158	
Butyl benzyl phthalate	50.0	59.7	119	1	15	1-152	
Chrysene	50.0	52.7	105	1	15	17-168	
Dibenz(a,h)anthracene	50.0	62.2	124	0	18	1-227	
Diethyl phthalate	50.0	54.6	109	0	15	1-114	
Dimethyl phthalate	50.0	49.2	98	1	15	1-112	
Di-n-butyl phthalate	50.0	57.6	115	3	15	1-118	
Di-n-octyl phthalate	50.0	59.7	119	2	15	4-146	
Fluoranthene	50.0	57.1	114	2	15	26-137	
Fluorene	50.0	50.0	100	1	18	59-121	
Hexachlorobenzene	50.0	53.5	107	1	15	1-152	
Hexachlorocyclopentadiene	50.0	34.8	70	6	50	5-120	

Column to be used to flag recovery and RPD values

FORM III 625

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Matrix: Water Level: Low Lab File ID: U5638.D

Lab ID: LCSD 480-180801/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Hexachloroethane	50.0	25.9	52	5	43	40-113	
Indeno[1,2,3-cd]pyrene	50.0	54.3	109	0	17	1-171	
Isophorone	50.0	43.4	87	0	21	21-196	
Naphthalene	50.0	39.6	79	0	31	21-133	
Nitrobenzene	50.0	39.5	79	0	27	35-180	
N-Nitrosodi-n-propylamine	50.0	40.1	80	3	23	1-230	
N-Nitrosodiphenylamine	100	85.7	86	1	15	54-125	
Pentachlorophenol	100	113	113	1	21	14-176	
Phenanthrene	50.0	51.9	104	1	16	54-120	
Phenol	50.0	19.3	39	1	36	5-112	
Pyrene	50.0	53.7	107	3	15	52-115	

Column to be used to flag recovery and RPD values

FORM III 625

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab File ID: U5636.D Lab Sample ID: MB 480-180801/1-A

Matrix: Water Date Extracted: 05/08/2014 06:53

Instrument ID: HP5973U Date Analyzed: 05/09/2014 08:54

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-180801/2-A	U5637.D	05/09/2014 09:17
	LCSD 480-180801/3-A	U5638.D	05/09/2014 09:40
PT2-1(L)	480-59386-1	U5674.D	05/10/2014 00:06

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab File ID: U5569.D DFTPP Injection Date: 05/06/2014

Instrument ID: HP5973U DFTPP Injection Time: 12:04

Analysis Batch No.: 180342

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	40.6	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	41.5	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	48.0	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.7	
275	10.0 - 30.0 % of mass 198	25.3	
365	Greater than 1.0 % of mass 198	3.5	
441	Present but less than mass 443	12.4	(77.6)3
442	Greater than 40.0 % of mass 198	80.7	
443	17.0 - 23.0 % of mass 442	16.0	(19.8)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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 480-180342/3	U5570.D	05/06/2014	12:23
	ICIS 480-180342/4	U5571.D	05/06/2014	13:00
	IC 480-180342/5	U5572.D	05/06/2014	13:56

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab File ID: U5621.D DFTPP Injection Date: 05/08/2014

Instrument ID: HP5973U DFTPP Injection Time: 10:29

Analysis Batch No.: 180910

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	32.8	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	35.4	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	44.5	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	29.9	
365	Greater than 1.0 % of mass 198	4.2	
441	Present but less than mass 443	17.9	(80.0)3
442	Greater than 40.0 % of mass 198	115.5	
443	17.0 - 23.0 % of mass 442	22.3	(19.3)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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 480-180910/6	U5625.D	05/08/2014	11:57
	MB 480-180801/1-A	U5636.D	05/09/2014	08:54
	LCS 480-180801/2-A	U5637.D	05/09/2014	09:17
	LCSD 480-180801/3-A	U5638.D	05/09/2014	09:40

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab File ID: U5653.D DFTPP Injection Date: 05/09/2014

Instrument ID: HP5973U DFTPP Injection Time: 15:56

Analysis Batch No.: 181172

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	33.7	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	36.9	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	45.5	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	28.5	
365	Greater than 1.0 % of mass 198	3.8	
441	Present but less than mass 443	14.3	(75.0)3
442	Greater than 40.0 % of mass 198	95.3	
443	17.0 - 23.0 % of mass 442	19.1	(20.0)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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 480-181172/15	U5655.D	05/09/2014	16:39
	ICIS 480-181172/16	U5656.D	05/09/2014	17:02
	IC 480-181172/17	U5657.D	05/09/2014	17:26
	CCVIS 480-181172/3	U5663.D	05/09/2014	19:52
PT2-1(L)	480-59386-1	U5674.D	05/10/2014	00:06

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Sample No.: ICIS 480-180342/4 Date Analyzed: 05/06/2014 13:00

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): U5571.D Heated Purge: (Y/N) N

Calibration ID: 18306

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		210699	5.43	746786	6.51	418772	7.96
UPPER LIMIT		421398	5.93	1493572	7.01	837544	8.46
LOWER LIMIT		105350	4.93	373393	6.01	209386	7.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-180910/6		202343	5.43	710208	6.51	402550	7.96

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 625

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Sample No.: ICIS 480-180342/4 Date Analyzed: 05/06/2014 13:00

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): U5571.D Heated Purge: (Y/N) N

Calibration ID: 18306

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		714761	9.18	716795	11.39	500136	12.86
UPPER LIMIT		1429522	9.68	1433590	11.89	1000272	13.36
LOWER LIMIT		357381	8.68	358398	10.89	250068	12.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-180910/6		691632	9.18	690169	11.38	500236	12.86

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 625

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Sample No.: CCVIS 480-180910/6 Date Analyzed: 05/08/2014 11:57

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): U5625.D Heated Purge: (Y/N) N

Calibration ID: 18310

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		202343	5.43	710208	6.51	402550	7.96
UPPER LIMIT		404686	5.93	1420416	7.01	805100	8.46
LOWER LIMIT		101172	4.93	355104	6.01	201275	7.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-180801/1-A		195391	5.42	644586	6.50	351618	7.95
LCS 480-180801/2-A		177823	5.43	619413	6.50	352398	7.95
LCSD 480-180801/3-A		180384	5.42	619111	6.50	350170	7.95

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 625

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Sample No.: CCVIS 480-180910/6 Date Analyzed: 05/08/2014 11:57

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): U5625.D Heated Purge: (Y/N) N

Calibration ID: 18310

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		691632	9.18	690169	11.38	500236	12.86
UPPER LIMIT		1383264	9.68	1380338	11.88	1000472	13.36
LOWER LIMIT		345816	8.68	345085	10.88	250118	12.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-180801/1-A		554603	9.17	587460	11.38	420940	12.85
LCS 480-180801/2-A		583260	9.18	595260	11.38	417557	12.86
LCSD 480-180801/3-A		586283	9.18	595598	11.38	418451	12.86

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 625

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Sample No.: ICIS 480-181172/16 Date Analyzed: 05/09/2014 17:02

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): U5656.D Heated Purge: (Y/N) N

Calibration ID: 18316

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		142559	5.42	504528	6.49	295423	7.94
UPPER LIMIT		285118	5.92	1009056	6.99	590846	8.44
LOWER LIMIT		71280	4.92	252264	5.99	147712	7.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-181172/3		139415	5.42	491924	6.49	286424	7.94

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 625

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Sample No.: ICIS 480-181172/16 Date Analyzed: 05/09/2014 17:02

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): U5656.D Heated Purge: (Y/N) N

Calibration ID: 18316

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		514096	9.17	539824	11.37	395646	12.84
UPPER LIMIT		1028192	9.67	1079648	11.87	791292	13.34
LOWER LIMIT		257048	8.67	269912	10.87	197823	12.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-181172/3		500917	9.17	521737	11.37	383102	12.84

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 625

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Sample No.: CCVIS 480-181172/3 Date Analyzed: 05/09/2014 19:52

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): U5663.D Heated Purge: (Y/N) N

Calibration ID: 18316

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		139415	5.42	491924	6.49	286424	7.94
UPPER LIMIT		278830	5.92	983848	6.99	572848	8.44
LOWER LIMIT		69708	4.92	245962	5.99	143212	7.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-59386-1	PT2-1(L)	119349	5.41	403548	6.49	235318	7.94

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 625

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Sample No.: CCVIS 480-181172/3 Date Analyzed: 05/09/2014 19:52

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): U5663.D Heated Purge: (Y/N) N

Calibration ID: 18316

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		500917	9.17	521737	11.37	383102	12.84
UPPER LIMIT		1001834	9.67	1043474	11.87	766204	13.34
LOWER LIMIT		250459	8.67	260869	10.87	191551	12.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-59386-1	PT2-1(L)	381303	9.16	402861	11.36	299360	12.83

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 625

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-59386-1

SDG No.:

Client Sample ID: PT2-1(L) | Lab Sample ID: 480-59386-1

Matrix: Water | Lab File ID: U5674.D

Analysis Method: 625 | Date Collected: 05/06/2014 14:45

Extract. Method: 625 | Date Extracted: 05/08/2014 06:53

Sample wt/vol: 1053.5(mL) | Date Analyzed: 05/10/2014 00:06

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

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

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

Analysis Batch No.: 181172 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	ND		9.5	0.47
95-50-1	1,2-Dichlorobenzene	ND		9.5	0.14
122-66-7	1,2-Diphenylhydrazine	ND		9.5	0.060
541-73-1	1,3-Dichlorobenzene	ND		9.5	0.065
106-46-7	1,4-Dichlorobenzene	ND		9.5	0.085
88-06-2	2,4,6-Trichlorophenol	ND		4.7	0.22
120-83-2	2,4-Dichlorophenol	ND		4.7	0.28
105-67-9	2,4-Dimethylphenol	ND		4.7	0.13
51-28-5	2,4-Dinitrophenol	ND		9.5	0.80
121-14-2	2,4-Dinitrotoluene	ND		4.7	0.25
606-20-2	2,6-Dinitrotoluene	ND		4.7	0.68
91-58-7	2-Chloronaphthalene	ND		4.7	0.064
95-57-8	2-Chlorophenol	ND		4.7	0.15
88-75-5	2-Nitrophenol	ND		4.7	0.14
91-94-1	3,3'-Dichlorobenzidine	ND		4.7	0.78
534-52-1	4,6-Dinitro-2-methylphenol	ND		9.5	0.72
101-55-3	4-Bromophenyl phenyl ether	ND		4.7	0.11
59-50-7	4-Chloro-3-methylphenol	ND		4.7	0.53
7005-72-3	4-Chlorophenyl phenyl ether	ND		4.7	0.20
100-02-7	4-Nitrophenol	ND		9.5	1.3
83-32-9	Acenaphthene	ND		4.7	0.057
208-96-8	Acenaphthylene	ND		4.7	0.032
120-12-7	Anthracene	ND		4.7	0.050
92-87-5	Benzidine	ND	*	76	2.4
56-55-3	Benzo[a]anthracene	ND		4.7	0.041
50-32-8	Benzo[a]pyrene	ND		4.7	0.055
205-99-2	Benzo[b]fluoranthene	ND		4.7	0.058
191-24-2	Benzo[g,h,i]perylene	ND		4.7	0.095
207-08-9	Benzo[k]fluoranthene	ND		4.7	0.040
108-60-1	bis (2-chloroisopropyl) ether	ND		4.7	0.081
111-91-1	Bis(2-chloroethoxy)methane	ND		4.7	0.081
111-44-4	Bis(2-chloroethyl)ether	ND		4.7	1.0
117-81-7	Bis(2-ethylhexyl) phthalate	ND		9.5	0.82
85-68-7	Butyl benzyl phthalate	ND		4.7	1.2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-59386-1

SDG No.:

Client Sample ID: PT2-1(L) | Lab Sample ID: 480-59386-1

Matrix: Water | Lab File ID: U5674.D

Analysis Method: 625 | Date Collected: 05/06/2014 14:45

Extract. Method: 625 | Date Extracted: 05/08/2014 06:53

Sample wt/vol: 1053.5(mL) | Date Analyzed: 05/10/2014 00:06

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

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

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

Analysis Batch No.: 181172 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
218-01-9	Chrysene	ND		4.7	0.034
53-70-3	Dibenz(a,h)anthracene	ND		4.7	0.053
84-66-2	Diethyl phthalate	ND		4.7	0.16
131-11-3	Dimethyl phthalate	ND		4.7	0.16
84-74-2	Di-n-butyl phthalate	ND		4.7	0.89
117-84-0	Di-n-octyl phthalate	ND		4.7	4.2
206-44-0	Fluoranthene	ND		4.7	0.10
86-73-7	Fluorene	ND		4.7	0.041
118-74-1	Hexachlorobenzene	ND		4.7	0.26
87-68-3	Hexachlorobutadiene	ND		4.7	0.59
77-47-4	Hexachlorocyclopentadiene	ND		4.7	0.43
67-72-1	Hexachloroethane	ND		4.7	0.46
193-39-5	Indeno[1,2,3-cd]pyrene	ND		4.7	0.18
78-59-1	Isophorone	ND		4.7	0.15
91-20-3	Naphthalene	ND		4.7	0.076
98-95-3	Nitrobenzene	ND		4.7	0.11
62-75-9	N-Nitrosodimethylamine	ND		9.5	0.91
621-64-7	N-Nitrosodi-n-propylamine	ND		4.7	0.22
86-30-6	N-Nitrosodiphenylamine	ND		4.7	0.38
87-86-5	Pentachlorophenol	ND		9.5	0.39
85-01-8	Phenanthrene	ND		4.7	0.067
108-95-2	Phenol	ND		4.7	0.11
129-00-0	Pyrene	ND		4.7	0.039

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	96		52-151
321-60-8	2-Fluorobiphenyl	87		44-120
367-12-4	2-Fluorophenol	45		17-120
4165-60-0	Nitrobenzene-d5	83		42-120
4165-62-2	Phenol-d5	32		10-120
1718-51-0	p-Terphenyl-d14	107		22-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5674.D
Lims ID: 480-59386-C-1-A Lab Sample ID: 480-59386-1
Client ID: PT2-1(L)
Sample Type: Client
Inject. Date: 10-May-2014 00:06:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0031947-012
Operator ID: anm Instrument ID: HP5973U

Method: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U-625.m
Limit Group: MB - 625 ICAL
Last Update: 10-May-2014 03:32:50 Calib Date: 09-May-2014 17:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5657.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: rimmera Date: 10-May-2014 03:32:50

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
*	1 1,4-Dichlorobenzene-d4	152	5.411	5.411	0.000	89	119349	40.0	
*	2 Naphthalene-d8	136	6.485	6.485	0.000	98	403548	40.0	
*	3 Acenaphthene-d10	164	7.938	7.938	0.000	77	235318	40.0	
*	4 Phenanthrene-d10	188	9.156	9.161	-0.005	94	381303	40.0	
*	5 Chrysene-d12	240	11.357	11.357	0.000	79	402861	40.0	
*	6 Perylene-d12	264	12.826	12.831	-0.005	83	299360	40.0	
$	9 2-Fluorophenol	112	4.230	4.230	0.000	75	78347	22.7	
$	10 Phenol-d5	99	5.112	5.122	-0.010	57	61894	15.9	
$	11 Nitrobenzene-d5	82	5.886	5.897	-0.011	82	127485	41.7	
$	12 2-Fluorobiphenyl	172	7.393	7.398	-0.005	99	330352	43.7	
$	13 2,4,6-Tribromophenol	330	8.590	8.600	-0.010	85	64903	47.8	
$	14 p-Terphenyl-d14	244	10.475	10.486	-0.011	96	404758	53.5	
	81 N-Nitrosodimethylamine	42		2.718					
	89 Phenol	94		5.133					
	91 Bis(2-chloroethyl)ether	93		5.203					
	93 2-Chlorophenol	128		5.229					
	94 1,3-Dichlorobenzene	146		5.363					
	95 1,4-Dichlorobenzene	146		5.427					
	97 1,2-Dichlorobenzene	146		5.555					
	99 2,2'-oxybis[1-chloropropan	45		5.673					
	101 N-Nitrosodi-n-propylamine	70		5.790					
	106 Hexachloroethane	117		5.844					
	107 Nitrobenzene	77		5.908					
	110 Isophorone	82		6.132					
	111 2-Nitrophenol	139		6.175					
	112 2,4-Dimethylphenol	107		6.234					
	115 Bis(2-chloroethoxy)methane	93		6.314					
	117 2,4-Dichlorophenol	162		6.383					
	120 1,2,4-Trichlorobenzene	180		6.447					
	121 Naphthalene	128		6.511					
	126 Hexachlorobutadiene	225		6.624					
	131 4-Chloro-3-methylphenol	107		6.976					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
136 Hexachlorocyclopentadiene	237		7.222					
139 2,4,6-Trichlorophenol	196		7.323					
143 2-Chloronaphthalene	162		7.489					
147 Dimethyl phthalate	163		7.756					
148 2,6-Dinitrotoluene	165		7.794					
149 Acenaphthylene	152		7.826					
151 Acenaphthene	153		7.975					
152 2,4-Dinitrophenol	184		8.018					
153 4-Nitrophenol	109		8.082					
154 2,4-Dinitrotoluene	165		8.125					
160 Diethyl phthalate	149		8.338					
161 Fluorene	166		8.397					
162 4-Chlorophenyl phenyl ethe	204		8.408					
166 4,6-Dinitro-2-methylphenol	198		8.467					
167 N-Nitrosodiphenylamine	169		8.515					
168 1,2-Diphenylhydrazine	77		8.536					
176 4-Bromophenyl phenyl ether	248		8.809					
177 Hexachlorobenzene	284		8.851					
181 Pentachlorophenol	266		9.017					
185 Phenanthrene	178		9.188					
188 Anthracene	178		9.231					
192 Di-n-butyl phthalate	149		9.674					
197 Fluoranthene	202		10.160					
198 Benzidine	184		10.278					
199 Pyrene	202		10.342					
205 Butyl benzyl phthalate	149		10.897					
208 3,3'-Dichlorobenzidine	252		11.352					
209 Benzo[a]anthracene	228		11.357					
211 Chrysene	228		11.389					
210 Bis(2-ethylhexyl) phthalat	149		11.421					
212 Di-n-octyl phthalate	149		12.067					
213 Benzo[b]fluoranthene	252		12.436					
214 Benzo[k]fluoranthene	252		12.463					
217 Benzo[a]pyrene	252		12.783					
219 Indeno[1,2,3-cd]pyrene	276		14.033					
220 Dibenz(a,h)anthracene	278		14.065					
221 Benzo[g,h,i]perylene	276		14.327					

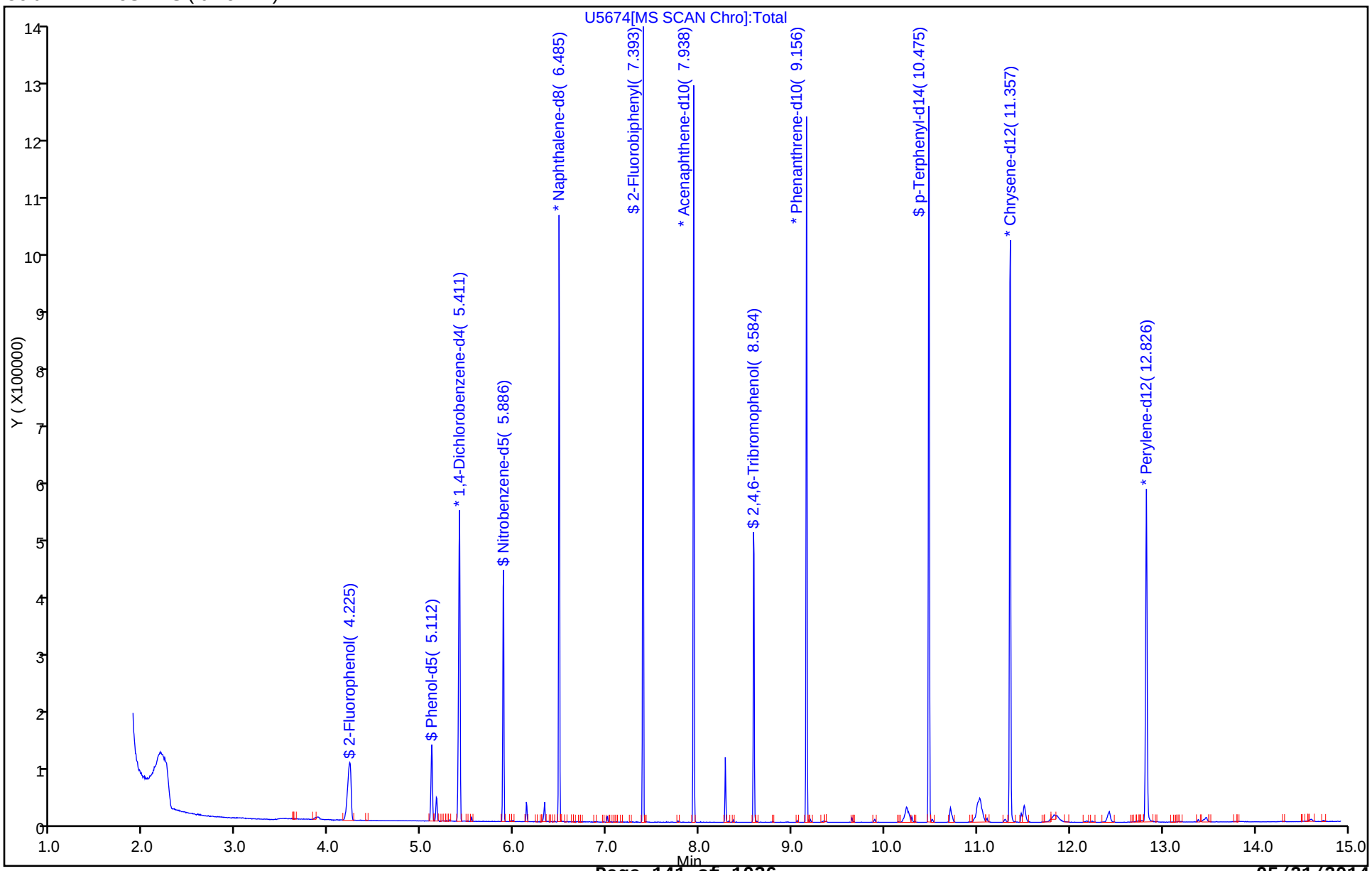
Report Date: 10-May-2014 03:32:51 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5674.D

Injection Date:	10-May-2014 00:06:30	Instrument ID:	HP5973U	Operator ID:	anm
Lims ID:	480-59386-C-1-A	Lab Sample ID:	480-59386-1	Worklist Smp#:	12
Client ID:	PT2-1(L)				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	U-625	Limit Group:	MB - 625 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.: 480-59386-1 Analy Batch No.: 180342

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/06/2014 12:23 Calibration End Date: 05/06/2014 13:56 Calibration ID: 18306

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-180342/3	U5570.D
Level 2	ICIS 480-180342/4	U5571.D
Level 3	IC 480-180342/5	U5572.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
N-Nitrosodimethylamine	0.3930	0.4636	0.4546			Lin1	-0.317	0.4602							1.0000		0.9900
Pyridine	0.5911	0.6585	0.6596			Lin1	-0.353	0.6621							1.0000		0.9900
Phenol	1.5724	1.3763	1.2347			Ave		1.3944				12.0		35.0			
Aniline	1.7734	1.5492	1.4663			Ave		1.5963				10.0		35.0			
Bis(2-chloroethyl)ether	1.0712	0.9961	0.9049			Ave		0.9908				8.4		35.0			
2-Chlorophenol	1.2533	1.2065	1.1208			Ave		1.1935				5.6		35.0			
n-Decane	1.0482	0.8579	0.7333			Ave		0.8798				18.0		35.0			
1,3-Dichlorobenzene	1.5017	1.4028	1.2828			Ave		1.3958				7.9		35.0			
1,4-Dichlorobenzene	1.5370	1.3879	1.2358			Ave		1.3869				11.0		35.0			
1,2-Dichlorobenzene	1.4686	1.2622	1.0895			Ave		1.2734				15.0		35.0			
Benzyl alcohol	0.7343	0.6944	0.6439			Ave		0.6909				6.6		35.0			
2-Methylphenol	1.0902	1.0084	0.9307			Ave		1.0098				7.9		35.0			
bis (2-chloroisopropyl) ether	1.1157	1.0584	0.9662			Ave		1.0467				7.2		35.0			
Acetophenone	1.6048	1.4436	1.2988			Ave		1.4490				11.0		35.0			
4-Methylphenol	1.1264	0.9415	0.8381			Ave		0.9687				15.0		35.0			
N-Nitrosodi-n-propylamine	0.7252	0.6551	0.6247			Ave		0.6683				7.7		35.0			
Hexachloroethane	0.5342	0.4863	0.4334			Lin1	0.5259	0.4463							0.9970		0.9900
Nitrobenzene	0.3336	0.3017	0.2705			Ave		0.3020				10.0		35.0			
Isophorone	0.5317	0.5071	0.4929			Ave		0.5106				3.8		35.0			
2-Nitrophenol	0.1595	0.1795	0.1694			Ave		0.1695				5.9		35.0			
2,4-Dimethylphenol	0.3132	0.2718	0.2652			Ave		0.2834				9.2		35.0			
Bis(2-chloroethoxy)methane	0.3489	0.3123	0.2886			Ave		0.3166				9.6		35.0			
2,4-Dichlorophenol	0.3197	0.2860	0.2620			Ave		0.2892				10.0		35.0			
Benzoic acid	0.1825	0.2141	0.2243			Ave		0.2070				11.0		35.0			
1,2,4-Trichlorobenzene	0.3687	0.3110	0.2715			Ave		0.3171				15.0		35.0			
Naphthalene	1.0702	0.8190	0.6694			Ave		0.8528				24.0		35.0			
Alpha-Terpineol	0.2128	0.1866	0.1709			Ave		0.1901				11.0		35.0			
4-Chloroaniline	0.4335	0.3731	0.3516			Ave		0.3861				11.0		35.0			
Hexachlorobutadiene	0.2108	0.1871	0.1640			Ave		0.1873				13.0		35.0			
4-Chloro-3-methylphenol	0.2611	0.2497	0.2259			Ave		0.2456				7.3		35.0			
2-Methylnaphthalene	0.6660	0.5443	0.4600			Ave		0.5568				19.0		35.0			
Hexachlorocyclopentadiene	0.3372	0.3329	0.2814			Ave		0.3172				9.8		35.0			
1,2,4,5-Tetrachlorobenzene	0.6656	0.5293	0.4252			Ave		0.5400				22.0		35.0			
2,3-Dichloroaniline	0.3524	0.3029	0.2695			Ave		0.3083				14.0		35.0			

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.: 480-59386-1 Analy Batch No.: 180342

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/06/2014 12:23 Calibration End Date: 05/06/2014 13:56 Calibration ID: 18306

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
2,4,6-Trichlorophenol	0.3652	0.3393	0.3069			Ave		0.3371				8.7		35.0			
2,4,5-Trichlorophenol	0.4028	0.3561	0.3246			Ave		0.3611				11.0		35.0			
2-Chloronaphthalene	1.2098	0.9235	0.6698			Ave		0.9344				29.0		35.0			
2-Nitroaniline	0.2429	0.2670	0.2544			Ave		0.2548				4.7		35.0			
Dimethyl phthalate	1.1957	1.1196	1.0554			Ave		1.1236				6.3		35.0			
2,6-Dinitrotoluene	0.2603	0.2829	0.2611			Ave		0.2681				4.8		35.0			
Acenaphthylene	1.7081	1.4852	1.2284			Ave		1.4739				16.0		35.0			
3-Nitroaniline	0.2798	0.3056	0.2949			Ave		0.2934				4.4		35.0			
Acenaphthene	1.1828	0.9864	0.8112			Ave		0.9935				19.0		35.0			
2,4-Dinitrophenol	0.0793	0.1711	0.1728			Lin1	-0.965	0.1762							1.0000		0.9900
4-Nitrophenol	0.1136	0.1426	0.1243			Lin1	-0.107	0.1307							0.9950		0.9900
Dibenzofuran	1.6611	1.3592	1.0335			Ave		1.3513				23.0		35.0			
2,4-Dinitrotoluene	0.3202	0.3620	0.3361			Ave		0.3394				6.2		35.0			
2,3,4,6-Tetrachlorophenol	0.2701	0.3224	0.2983			Lin1	-0.142	0.3073							0.9980		0.9900
Diethyl phthalate	1.0736	0.9880	0.7321			Ave		0.9312				19.0		35.0			
Fluorene	1.3240	1.0700	0.8489			Ave		1.0810				22.0		35.0			
4-Chlorophenyl phenyl ether	0.6833	0.5546	0.4240			Ave		0.5539				23.0		35.0			
4-Nitroaniline	0.2443	0.2909	0.2586			Ave		0.2646				9.0		35.0			
4,6-Dinitro-2-methylphenol	0.0763	0.1350	0.1286			Lin1	-0.539	0.1329							0.9990		0.9900
N-Nitrosodiphenylamine	0.5768	0.4969	0.4272			Ave		0.5003				15.0		35.0			
1,2-Diphenylhydrazine	1.0320	0.9222	0.7889			Ave		0.9144				13.0		35.0			
4-Bromophenyl phenyl ether	0.2476	0.2270	0.1932			Ave		0.2226				12.0		35.0			
Hexachlorobenzene	0.2874	0.2508	0.2179			Ave		0.2520				14.0		35.0			
Pentachlorophenol	0.1108	0.1451	0.1344			Lin1	-0.241	0.1389							0.9980		0.9900
n-Octadecane	0.2848	0.2173	0.1702			Ave		0.2241				26.0		35.0			
Phenanthrene	1.1658	0.9199	0.7810			Ave		0.9556				20.0		35.0			
Anthracene	1.1341	0.9290	0.7804			Ave		0.9478				19.0		35.0			
Carbazole	0.9939	0.8682	0.7365			Ave		0.8662				15.0		35.0			
Di-n-butyl phthalate	0.9058	0.8589	0.6974			Ave		0.8207				13.0		35.0			
Fluoranthene	1.1629	0.9953	0.7887			Ave		0.9823				19.0		35.0			
Benzidine	0.3289	0.2540	0.2793			Lin1	0.5054	0.2690							0.9970		0.9900
Pyrene	1.1393	1.0316	0.9761			Ave		1.0490				7.9		35.0			
Butyl benzyl phthalate	0.2558	0.3660	0.3560			Ave		0.3259				19.0		35.0			
3,3'-Dichlorobenzidine	0.2927	0.2957	0.2444			Ave		0.2776				10.0		35.0			
Benzo[a]anthracene	0.9985	0.8551	0.7204			Ave		0.8580				16.0		35.0			
Chrysene	0.9906	0.8881	0.7961			Ave		0.8916				11.0		35.0			
Bis(2-ethylhexyl) phthalate	0.2586	0.4466	0.4443			Lin1	-0.958	0.4530							1.0000		0.9900
Di-n-octyl phthalate	0.1810	0.6164	0.6161			Lin1	-2.244	0.6348							1.0000		0.9900
Benzo[b]fluoranthene	0.7412	1.0890	1.0695			Ave		0.9666				20.0		35.0			
Benzo[k]fluoranthene	1.2860	1.2098	1.0785			Ave		1.1915				8.8		35.0			
Benzo[a]pyrene	0.6552	0.9639	0.9079			Ave		0.8423				20.0		35.0			

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.: 480-59386-1 Analy Batch No.: 180342

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/06/2014 12:23 Calibration End Date: 05/06/2014 13:56 Calibration ID: 18306

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
Indeno[1,2,3-cd]pyrene	0.2364	0.6624	0.6697			Lin1	-2.236	0.6859							1.0000		0.9900
Dibenz(a,h)anthracene	0.3671	0.7164	0.6859			Ave		0.5898				33.0		35.0			
Benzo[g,h,i]perylene	0.4628	0.6784	0.6512			Ave		0.5975				20.0		35.0			
2-Fluorophenol	1.2665	1.2130	1.1613			Ave		1.2136				4.3		35.0			
Phenol-d5	1.5070	1.3575	1.2287			Ave		1.3644				10.0		35.0			
Nitrobenzene-d5	0.3518	0.3322	0.3080			Ave		0.3307				6.6		35.0			
2-Fluorobiphenyl	1.5296	1.2523	1.0341			Ave		1.2720				20.0		35.0			
2,4,6-Tribromophenol	0.1090	0.1351	0.1243			Ave		0.1228				11.0		35.0			
p-Terphenyl-d14	0.7937	0.7609	0.7271			Lin1	0.3472	0.7352							1.0000		0.9900

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 180342

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/06/2014 12:23 Calibration End Date: 05/06/2014 13:56 Calibration ID: 18306

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-180342/3	U5570.D
Level 2	ICIS 480-180342/4	U5571.D
Level 3	IC 480-180342/5	U5572.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
N-Nitrosodimethylamine	DCB	Lin1	8902	195370	376164			5.00	80.0	160		
Pyridine	DCB	Lin1	13391	277472	545791			5.00	80.0	160		
Phenol	DCB	Ave	35619	579969	1021648			5.00	80.0	160		
Aniline	DCB	Ave	40172	652847	1213291			5.00	80.0	160		
Bis(2-chloroethyl)ether	DCB	Ave	24267	419763	748808			5.00	80.0	160		
2-Chlorophenol	DCB	Ave	28391	508416	927412			5.00	80.0	160		
n-Decane	DCB	Ave	47490	723004	1213498			10.0	160	320		
1,3-Dichlorobenzene	DCB	Ave	34019	591136	1061527			5.00	80.0	160		
1,4-Dichlorobenzene	DCB	Ave	34817	584846	1022623			5.00	80.0	160		
1,2-Dichlorobenzene	DCB	Ave	33269	531908	901501			5.00	80.0	160		
Benzyl alcohol	DCB	Ave	16635	292604	532819			5.00	80.0	160		
2-Methylphenol	DCB	Ave	24696	424917	770157			5.00	80.0	160		
bis (2-chloroisopropyl) ether	DCB	Ave	25274	445991	799487			5.00	80.0	160		
Acetophenone	DCB	Ave	36353	608327	1074716			5.00	80.0	160		
4-Methylphenol	DCB	Ave	25517	396737	693541			5.00	80.0	160		
N-Nitrosodi-n-propylamine	DCB	Ave	16429	276049	516898			5.00	80.0	160		
Hexachloroethane	DCB	Lin1	12102	204938	358649			5.00	80.0	160		
Nitrobenzene	NPT	Ave	26051	450678	789574			5.00	80.0	160		
Isophorone	NPT	Ave	41516	757428	1438742			5.00	80.0	160		
2-Nitrophenol	NPT	Ave	12451	268083	494557			5.00	80.0	160		
2,4-Dimethylphenol	NPT	Ave	24451	405916	774144			5.00	80.0	160		
Bis(2-chloroethoxy)methane	NPT	Ave	27242	466480	842463			5.00	80.0	160		
2,4-Dichlorophenol	NPT	Ave	24960	427197	764623			5.00	80.0	160		
Benzoic acid	NPT	Ave	284978	639687	1309349			100	160	320		
1,2,4-Trichlorobenzene	NPT	Ave	28788	464553	792542			5.00	80.0	160		
Naphthalene	NPT	Ave	83559	1223164	1953750			5.00	80.0	160		
Alpha-Terpineol	NPT	Ave	16613	278658	498746			5.00	80.0	160		
4-Chloroaniline	NPT	Ave	33844	557269	1026182			5.00	80.0	160		
Hexachlorobutadiene	NPT	Ave	16458	279496	478537			5.00	80.0	160		
4-Chloro-3-methylphenol	NPT	Ave	20383	373008	659208			5.00	80.0	160		
2-Methylnaphthalene	NPT	Ave	51999	812987	1342693			5.00	80.0	160		
Hexachlorocyclopentadiene	ANT	Ave	14559	278853	469298			5.00	80.0	160		
1,2,4,5-Tetrachlorobenzene	ANT	Ave	28740	443338	709181			5.00	80.0	160		
2,3-Dichloroaniline	NPT	Ave	27517	452343	786546			5.00	80.0	160		
2,4,6-Trichlorophenol	ANT	Ave	15771	284156	511759			5.00	80.0	160		
2,4,5-Trichlorophenol	ANT	Ave	17392	298224	541358			5.00	80.0	160		

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 180342

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/06/2014 12:23 Calibration End Date: 05/06/2014 13:56 Calibration ID: 18306

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
2-Chloronaphthalene	ANT	Ave	52241	773475	1117014			5.00	80.0	160		
2-Nitroaniline	ANT	Ave	10490	223656	424277			5.00	80.0	160		
Dimethyl phthalate	ANT	Ave	51634	937679	1760173			5.00	80.0	160		
2,6-Dinitrotoluene	ANT	Ave	11242	236915	435381			5.00	80.0	160		
Acenaphthylene	ANT	Ave	73758	1243915	2048612			5.00	80.0	160		
3-Nitroaniline	ANT	Ave	12080	255944	491760			5.00	80.0	160		
Acenaphthene	ANT	Ave	51076	826171	1352902			5.00	80.0	160		
2,4-Dinitrophenol	ANT	Lin1	6845	286550	576348			10.0	160	320		
4-Nitrophenol	ANT	Lin1	9808	238913	414666			10.0	160	320		
Dibenzofuran	ANT	Ave	71729	1138397	1723650			5.00	80.0	160		
2,4-Dinitrotoluene	ANT	Ave	13825	303163	560582			5.00	80.0	160		
2,3,4,6-Tetrachlorophenol	ANT	Lin1	11665	270045	497415			5.00	80.0	160		
Diethyl phthalate	ANT	Ave	46361	827459	1220974			5.00	80.0	160		
Fluorene	ANT	Ave	57173	896199	1415716			5.00	80.0	160		
4-Chlorophenyl phenyl ether	ANT	Ave	29504	464487	707121			5.00	80.0	160		
4-Nitroaniline	ANT	Ave	10549	243653	431319			5.00	80.0	160		
4,6-Dinitro-2-methylphenol	PHN	Lin1	10538	385893	747347			10.0	160	320		
N-Nitrosodiphenylamine	PHN	Ave	39856	710301	1241149			5.00	80.0	160		
1,2-Diphenylhydrazine	ANT	Ave	44564	772402	1315715			5.00	80.0	160		
4-Bromophenyl phenyl ether	PHN	Ave	17112	324475	561257			5.00	80.0	160		
Hexachlorobenzene	PHN	Ave	19859	358543	632961			5.00	80.0	160		
Pentachlorophenol	PHN	Lin1	15318	414940	781018			10.0	160	320		
n-Octadecane	PHN	Ave	39360	621358	988868			10.0	160	320		
Phenanthrene	PHN	Ave	80558	1314989	2268939			5.00	80.0	160		
Anthracene	PHN	Ave	78364	1328013	2267150			5.00	80.0	160		
Carbazole	PHN	Ave	68681	1241053	2139496			5.00	80.0	160		
Di-n-butyl phthalate	PHN	Ave	62587	1227860	2025976			5.00	80.0	160		
Fluoranthene	PHN	Ave	80353	1422769	2291328			5.00	80.0	160		
Benzidine	CRY	Lin1	49590	728326	1384049			10.0	160	320		
Pyrene	CRY	Ave	85897	1478914	2418320			5.00	80.0	160		
Butyl benzyl phthalate	CRY	Ave	19289	524643	881893			5.00	80.0	160		
3,3'-Dichlorobenzidine	CRY	Ave	44133	847746	1211012			10.0	160	320		
Benzo[a]anthracene	CRY	Ave	75280	1225924	1784880			5.00	80.0	160		
Chrysene	CRY	Ave	74683	1273162	1972232			5.00	80.0	160		
Bis(2-ethylhexyl) phthalate	CRY	Lin1	19496	640228	1100852			5.00	80.0	160		
Di-n-octyl phthalate	CRY	Lin1	13644	883710	1526504			5.00	80.0	160		
Benzo[b]fluoranthene	PRY	Ave	44131	1089298	1836428			5.00	80.0	160		
Benzo[k]fluoranthene	PRY	Ave	76569	1210162	1851845			5.00	80.0	160		
Benzo[a]pyrene	PRY	Ave	39012	964163	1558934			5.00	80.0	160		
Indeno[1,2,3-cd]pyrene	PRY	Lin1	14074	662609	1149933			5.00	80.0	160		
Dibenz(a,h)anthracene	PRY	Ave	21859	716571	1177723			5.00	80.0	160		
Benzo[g,h,i]perylene	PRY	Ave	27556	678634	1118167			5.00	80.0	160		
2-Fluorophenol	DCB	Ave	28691	511159	960924			5.00	80.0	160		

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 180342

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/06/2014 12:23 Calibration End Date: 05/06/2014 13:56 Calibration ID: 18306

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
Phenol-d5	DCB	Ave	34138	572043	1016752			5.00	80.0	160		
Nitrobenzene-d5	NPT	Ave	27469	496098	898969			5.00	80.0	160		
2-Fluorobiphenyl	ANT	Ave	66050	1048820	1724503			5.00	80.0	160		
2,4,6-Tribromophenol	PHN	Ave	7533	193086	361080			5.00	80.0	160		
p-Terphenyl-d14	CRY	Lin1	59837	1090818	1801334			5.00	80.0	160		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5570.D
Lims ID: IC - 5 PT
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 06-May-2014 12:23:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0031817-003
Operator ID: anm Instrument ID: HP5973U
Sublist: chrom-U-625*sub43

Method: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U-625.m
Limit Group: MB - 625 ICAL
Last Update: 07-May-2014 08:31:52 Calib Date: 06-May-2014 16:13:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5578.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: mcgoverna Date: 07-May-2014 08:31:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.422	5.427	-0.005	94	181225	40.0	40.0	
* 2 Naphthalene-d8	136	6.501	6.506	-0.005	98	624636	40.0	40.0	
* 3 Acenaphthene-d10	164	7.954	7.959	-0.005	77	345451	40.0	40.0	
* 4 Phenanthrene-d10	188	9.172	9.183	-0.011	77	552793	40.0	40.0	
* 5 Chrysene-d12	240	11.378	11.389	-0.011	79	603151	40.0	40.0	
* 6 Perylene-d12	264	12.858	12.863	-0.005	84	476311	40.0	40.0	
$ 9 2-Fluorophenol	112	4.236	4.241	-0.005	36	28691	5.00	5.22	
$ 10 Phenol-d5	99	5.117	5.133	-0.016	76	34138	5.00	5.52	
$ 11 Nitrobenzene-d5	82	5.897	5.908	-0.011	77	27469	5.00	5.32	
$ 12 2-Fluorobiphenyl	172	7.404	7.414	-0.010	95	66050	5.00	6.01	
$ 13 2,4,6-Tribromophenol	330	8.600	8.616	-0.016	29	7533	5.00	4.44	
$ 14 p-Terphenyl-d14	244	10.492	10.502	-0.010	88	59837	5.00	4.93	
81 N-Nitrosodimethylamine	42	2.740	2.745	-0.005	69	8902	5.00	4.96	M
82 Pyridine	52	2.777	2.788	-0.011	55	13391	5.00	5.00	M
89 Phenol	94	5.133	5.149	-0.016	93	35619	5.00	5.64	
90 Aniline	93	5.139	5.149	-0.010	82	40172	5.00	5.55	
91 Bis(2-chloroethyl)ether	93	5.208	5.219	-0.011	76	24267	5.00	5.41	
93 2-Chlorophenol	128	5.235	5.245	-0.010	79	28391	5.00	5.25	
20 n-Decane	57	5.320	5.320	0.000	83	47490	10.0	11.9	
94 1,3-Dichlorobenzene	146	5.368	5.379	-0.011	84	34019	5.00	5.38	
95 1,4-Dichlorobenzene	146	5.438	5.443	-0.005	73	34817	5.00	5.54	
96 Benzyl alcohol	108	5.555	5.566	-0.011	86	16635	5.00	5.31	
97 1,2-Dichlorobenzene	146	5.566	5.566	0.000	89	33269	5.00	5.77	
98 2-Methylphenol	108	5.657	5.667	-0.010	82	24696	5.00	5.40	
99 2,2'-oxybis[1-chloropropan	45	5.678	5.684	-0.006	54	25274	5.00	5.33	
104 Acetophenone	105	5.774	5.790	-0.016	92	36353	5.00	5.54	
102 4-Methylphenol	108	5.790	5.806	-0.016	93	25517	5.00	5.81	
101 N-Nitrosodi-n-propylamine	70	5.785	5.812	-0.027	76	16429	5.00	5.43	
106 Hexachloroethane	117	5.854	5.854	0.000	86	12102	5.00	4.81	
107 Nitrobenzene	77	5.913	5.924	-0.011	75	26051	5.00	5.52	
110 Isophorone	82	6.122	6.143	-0.021	91	41516	5.00	5.21	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
111 2-Nitrophenol	139	6.180	6.191	-0.011	81	12451	5.00	4.70	
112 2,4-Dimethylphenol	107	6.234	6.250	-0.016	93	24451	5.00	5.53	
115 Bis(2-chloroethoxy)methane	93	6.319	6.330	-0.011	89	27242	5.00	5.51	
117 2,4-Dichlorophenol	162	6.383	6.394	-0.011	85	24960	5.00	5.53	
119 Benzoic acid	105	6.399	6.447	-0.048	76	284978	100.0	88.2	
120 1,2,4-Trichlorobenzene	180	6.453	6.463	-0.010	85	28788	5.00	5.81	
121 Naphthalene	128	6.517	6.522	-0.005	93	83559	5.00	6.27	
122 Alpha-Terpineol	59	6.538	6.549	-0.011	83	16613	5.00	5.60	
123 4-Chloroaniline	127	6.570	6.581	-0.011	85	33844	5.00	5.61	
126 Hexachlorobutadiene	225	6.634	6.634	0.000	81	16458	5.00	5.63	
131 4-Chloro-3-methylphenol	107	6.976	7.003	-0.027	76	20383	5.00	5.32	
133 2-Methylnaphthalene	142	7.174	7.179	-0.005	77	51999	5.00	5.98	
136 Hexachlorocyclopentadiene	237	7.227	7.233	-0.006	72	14559	5.00	5.32	
138 1,2,4,5-Tetrachlorobenzene	216	7.233	7.238	-0.005	87	28740	5.00	6.16	
223 2,3-Dichlorobenzenamine	161	7.324	7.334	-0.010	88	27517	5.00	5.72	
139 2,4,6-Trichlorophenol	196	7.329	7.340	-0.011	74	15771	5.00	5.42	
140 2,4,5-Trichlorophenol	196	7.356	7.372	-0.016	91	17392	5.00	5.58	
143 2-Chloronaphthalene	162	7.489	7.500	-0.011	96	52241	5.00	6.47	
145 2-Nitroaniline	65	7.580	7.596	-0.016	64	10490	5.00	4.77	
147 Dimethyl phthalate	163	7.751	7.772	-0.021	95	51634	5.00	5.32	
148 2,6-Dinitrotoluene	165	7.788	7.810	-0.022	78	11242	5.00	4.86	
149 Acenaphthylene	152	7.831	7.842	-0.011	81	73758	5.00	5.79	
150 3-Nitroaniline	138	7.922	7.949	-0.027	86	12080	5.00	4.77	
151 Acenaphthene	153	7.975	7.986	-0.011	82	51076	5.00	5.95	
152 2,4-Dinitrophenol	184	8.007	8.039	-0.032	47	6845	10.0	9.97	
153 4-Nitrophenol	109	8.066	8.114	-0.048	81	9808	10.0	9.50	
155 Dibenzofuran	168	8.120	8.130	-0.010	78	71729	5.00	6.15	
154 2,4-Dinitrotoluene	165	8.120	8.146	-0.026	79	13825	5.00	4.72	
158 2,3,4,6-Tetrachlorophenol	232	8.226	8.242	-0.016	45	11665	5.00	4.86	
160 Diethyl phthalate	149	8.333	8.355	-0.022	90	46361	5.00	5.76	
161 Fluorene	166	8.403	8.413	-0.010	78	57173	5.00	6.12	
162 4-Chlorophenyl phenyl ethe	204	8.413	8.424	-0.011	80	29504	5.00	6.17	
164 4-Nitroaniline	138	8.424	8.472	-0.048	51	10549	5.00	4.62	
166 4,6-Dinitro-2-methylphenol	198	8.451	8.483	-0.032	78	10538	10.0	9.79	
167 N-Nitrosodiphenylamine	169	8.510	8.526	-0.016	49	39856	5.00	5.76	
168 1,2-Diphenylhydrazine	77	8.542	8.558	-0.016	97	44564	5.00	5.64	
176 4-Bromophenyl phenyl ether	248	8.814	8.825	-0.011	41	17112	5.00	5.56	
177 Hexachlorobenzene	284	8.857	8.867	-0.010	71	19859	5.00	5.70	
181 Pentachlorophenol	266	9.017	9.033	-0.016	64	15318	10.0	9.71	
16 n-Octadecane	57	9.124	9.129	-0.005	93	39360	10.0	12.7	
185 Phenanthrene	178	9.193	9.204	-0.011	62	80558	5.00	6.10	
188 Anthracene	178	9.231	9.247	-0.016	80	78364	5.00	5.98	
189 Carbazole	167	9.370	9.380	-0.010	70	68681	5.00	5.74	
192 Di-n-butyl phthalate	149	9.680	9.690	-0.010	94	62587	5.00	5.52	
197 Fluoranthene	202	10.166	10.176	-0.010	93	80353	5.00	5.92	
198 Benzidine	184	10.289	10.299	-0.010	82	49590	10.0	10.3	
199 Pyrene	202	10.347	10.358	-0.011	96	85897	5.00	5.43	
205 Butyl benzyl phthalate	149	10.908	10.914	-0.006	81	19289	5.00	3.92	
208 3,3'-Dichlorobenzidine	252	11.357	11.373	-0.016	27	44133	10.0	10.5	
209 Benzo[a]anthracene	228	11.368	11.378	-0.010	79	75280	5.00	5.82	
211 Chrysene	228	11.400	11.416	-0.016	68	74683	5.00	5.56	
210 Bis(2-ethylhexyl) phthalat	149	11.437	11.442	-0.005	77	19496	5.00	3.37	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
212 Di-n-octyl phthalate	149	12.089	12.094	-0.005	6	13644	5.00	4.96	
213 Benzo[b]fluoranthene	252	12.441	12.457	-0.016	73	44131	5.00	3.83	
214 Benzo[k]fluoranthene	252	12.468	12.484	-0.016	82	76569	5.00	5.40	M
217 Benzo[a]pyrene	252	12.794	12.805	-0.011	39	39012	5.00	3.89	
219 Indeno[1,2,3-cd]pyrene	276	14.055	14.065	-0.010	39	14074	5.00	4.98	
220 Dibenz(a,h)anthracene	278	14.082	14.098	-0.016	1	21859	5.00	3.11	
221 Benzo[g,h,i]perylene	276	14.343	14.365	-0.022	64	27556	5.00	3.87	
S 222 Total Cresols	1				0			11.2	
S 77 3 & 4 Methylphenol	108				0			5.81	
S 78 3-Methylphenol	1				0		5.00	5.81	

QC Flag Legend

Review Flags
M - Manually Integrated

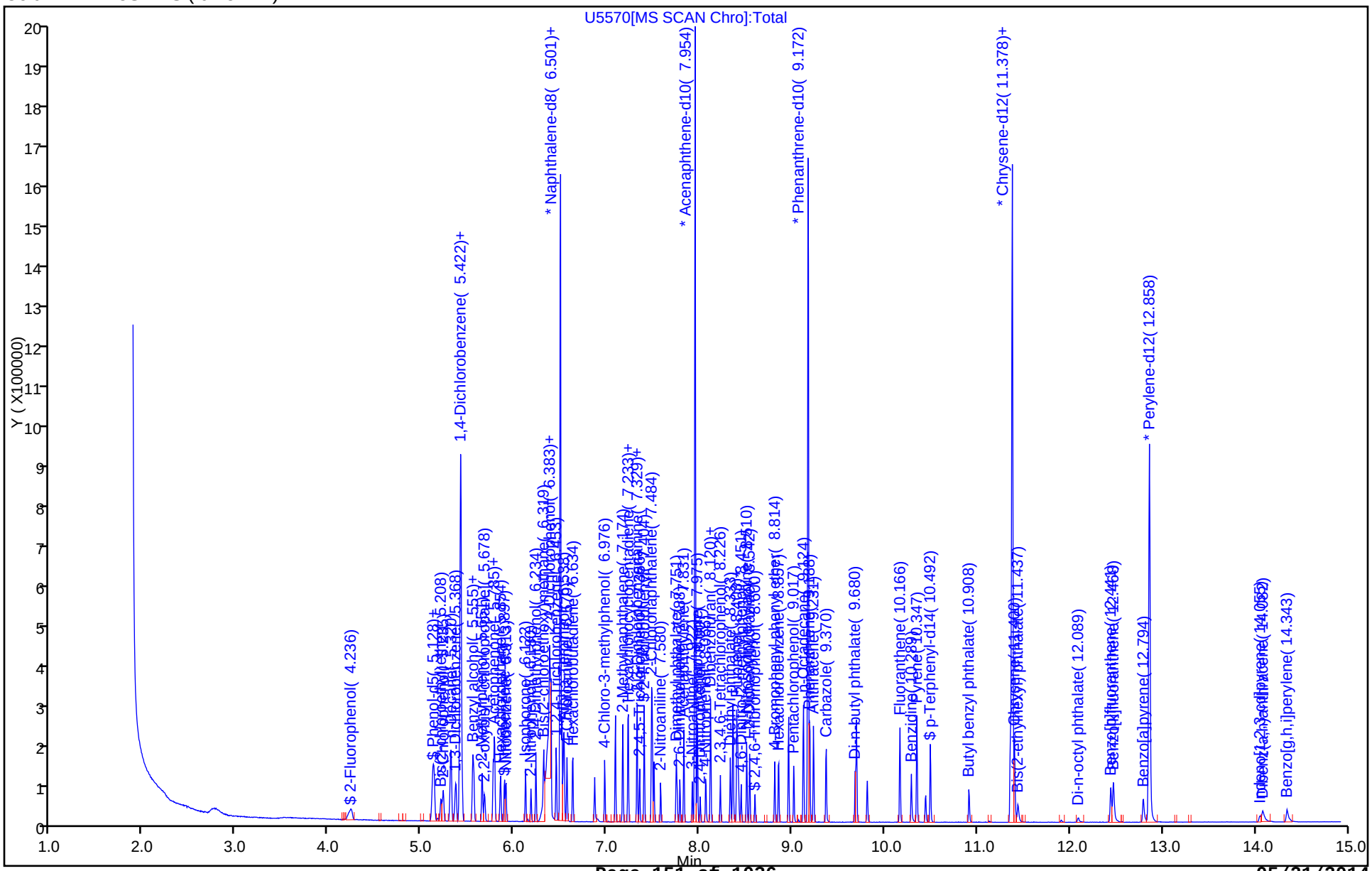
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TestAmerica Buffalo

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Injection Date:	06-May-2014 12:23:30	Instrument ID:	HP5973U	Operator ID:	anm
Lims ID:	IC - 5 PT			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	U-625	Limit Group:	MB - 625 ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

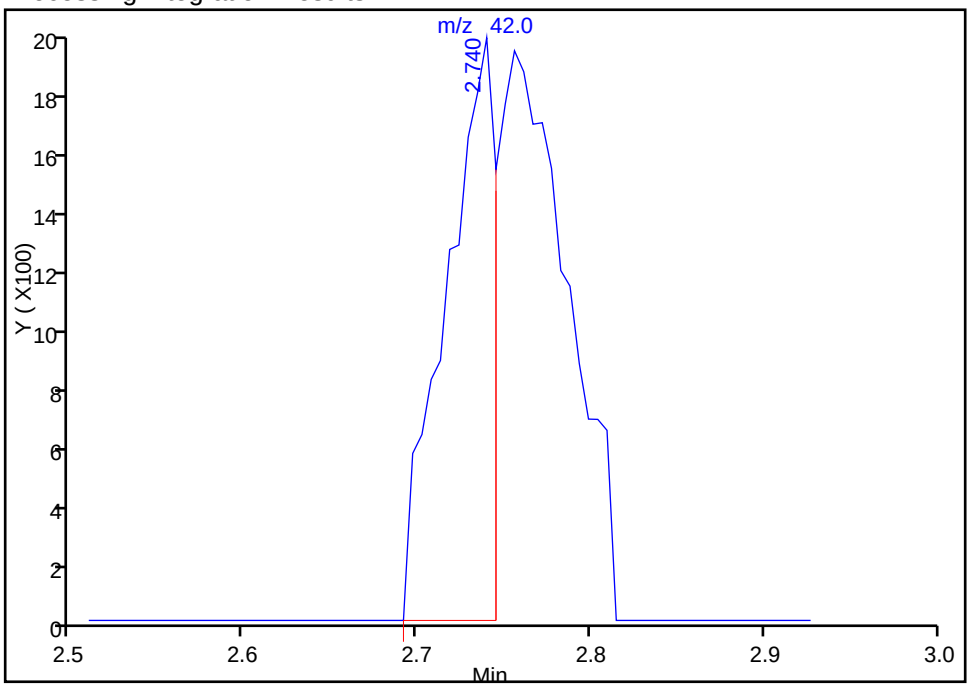
TestAmerica Buffalo

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Injection Date: 06-May-2014 12:23:30 Instrument ID: HP5973U
Lims ID: IC - 5 PT
Client ID:
Operator ID: anm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

81 N-Nitrosodimethylamine, CAS: 62-75-9

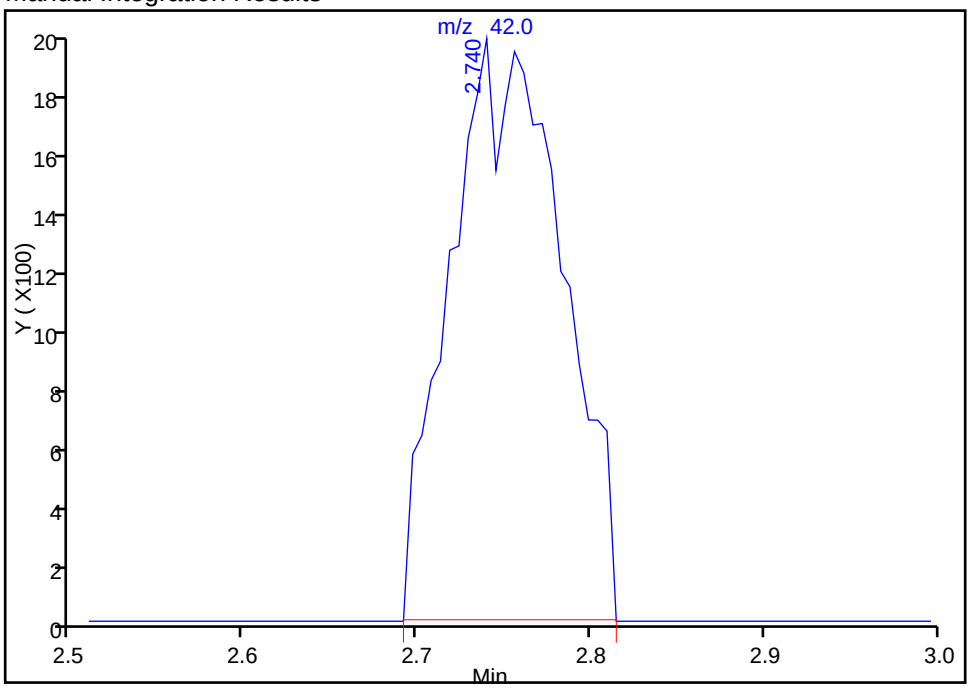
Processing Integration Results

RT: 2.74
Response: 3945
Amount: 5.000000



Manual Integration Results

RT: 2.74
Response: 8902
Amount: 4.958383



Reviewer: mcgoverna, 06-May-2014 13:57:40
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

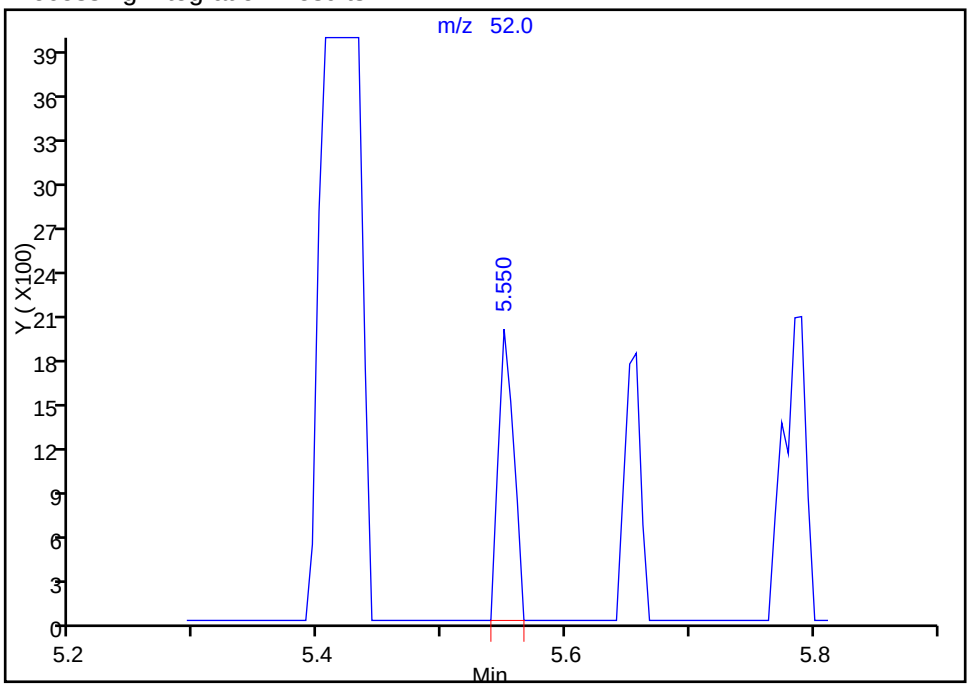
TestAmerica Buffalo

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Injection Date: 06-May-2014 12:23:30 Instrument ID: HP5973U
Lims ID: IC - 5 PT
Client ID:
Operator ID: anm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

82 Pyridine, CAS: 110-86-1

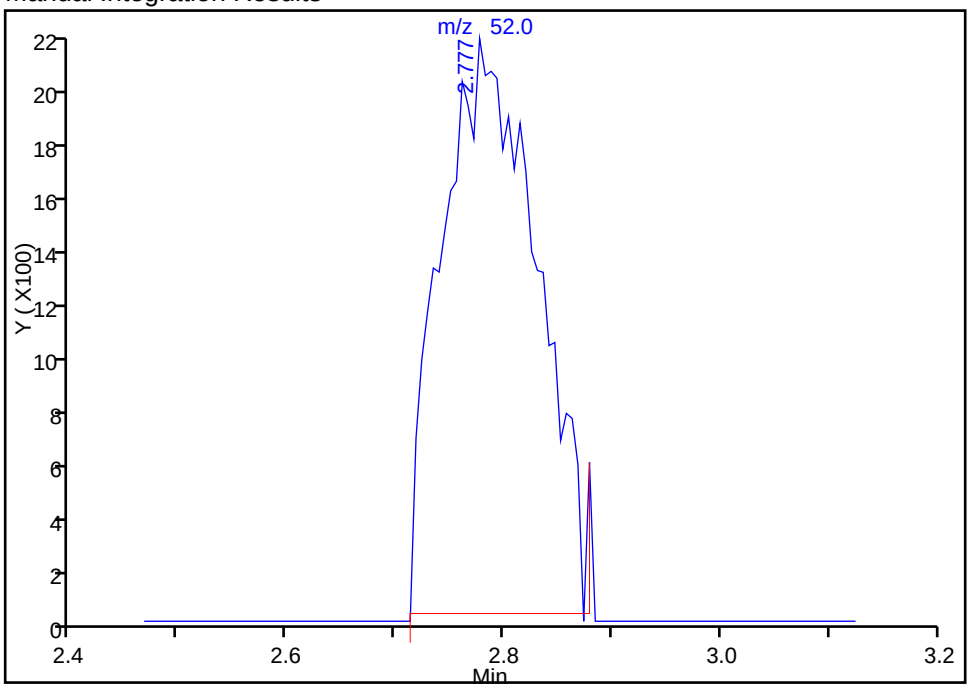
Processing Integration Results

RT: 5.55
Response: 1686
Amount: 5.000000



Manual Integration Results

RT: 2.78
Response: 13391
Amount: 4.997169



Reviewer: mcgoverna, 06-May-2014 13:48:37
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

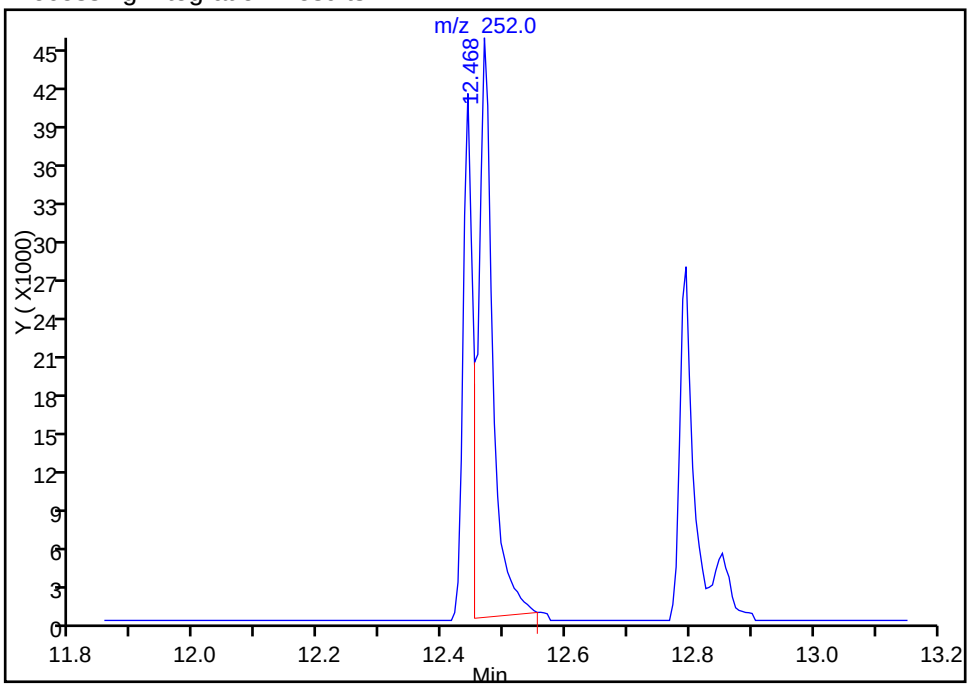
TestAmerica Buffalo

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Injection Date: 06-May-2014 12:23:30 Instrument ID: HP5973U
Lims ID: IC - 5 PT
Client ID:
Operator ID: anm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

214 Benzo[k]fluoranthene, CAS: 207-08-9

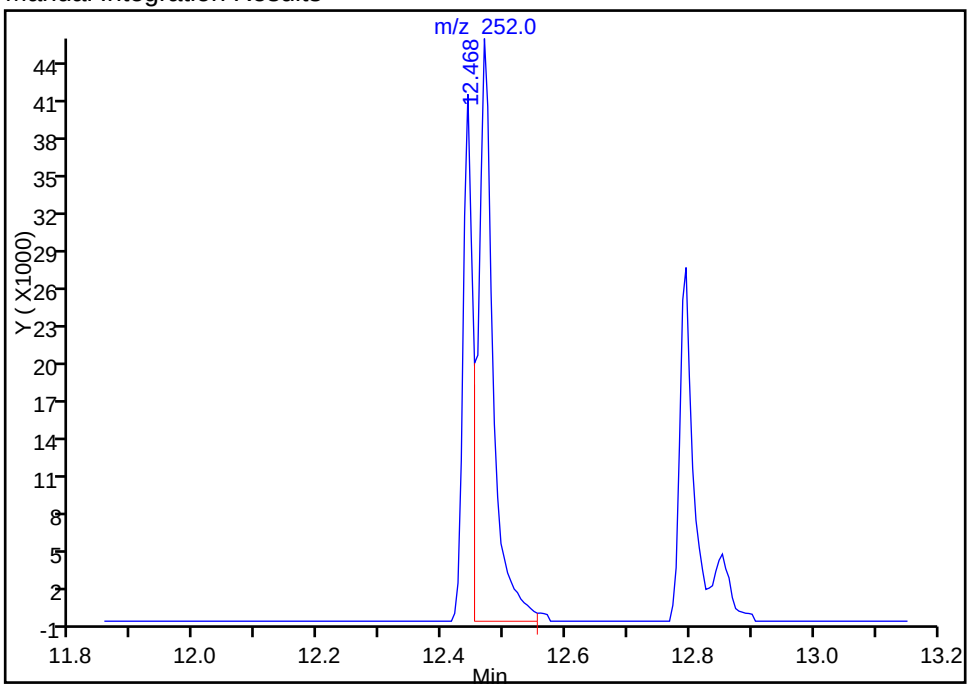
Processing Integration Results

RT: 12.47
Response: 74050
Amount: 5.069068



Manual Integration Results

RT: 12.47
Response: 76569
Amount: 5.396917



Reviewer: mcgoverna, 06-May-2014 13:59:44
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5571.D
Lims ID: ICIS - 80 PT
Client ID:
Sample Type: ICIS Calib Level: 2
Inject. Date: 06-May-2014 13:00:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0031817-004
Operator ID: anm Instrument ID: HP5973U
Sublist: chrom-U-625*sub43

Method: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U-625.m
Limit Group: MB - 625 ICAL
Last Update: 07-May-2014 08:34:59 Calib Date: 06-May-2014 16:13:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5578.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: mcgoverna Date: 07-May-2014 08:34:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.427	5.427	0.000	93	210699	40.0	40.0	
* 2 Naphthalene-d8	136	6.506	6.506	0.000	98	746786	40.0	40.0	
* 3 Acenaphthene-d10	164	7.959	7.959	0.000	77	418772	40.0	40.0	
* 4 Phenanthrene-d10	188	9.183	9.183	0.000	92	714761	40.0	40.0	
* 5 Chrysene-d12	240	11.389	11.389	0.000	79	716795	40.0	40.0	
* 6 Perylene-d12	264	12.863	12.863	0.000	79	500136	40.0	40.0	
$ 9 2-Fluorophenol	112	4.241	4.241	0.000	87	511159	80.0	80.0	
$ 10 Phenol-d5	99	5.133	5.133	0.000	72	572043	80.0	79.6	
$ 11 Nitrobenzene-d5	82	5.908	5.908	0.000	86	496098	80.0	80.4	
$ 12 2-Fluorobiphenyl	172	7.414	7.414	0.000	98	1048820	80.0	78.8	
$ 13 2,4,6-Tribromophenol	330	8.616	8.616	0.000	88	193086	80.0	88.0	
$ 14 p-Terphenyl-d14	244	10.502	10.502	0.000	97	1090818	80.0	82.3	
81 N-Nitrosodimethylamine	42	2.745	2.745	0.000	85	195370	80.0	81.3	
82 Pyridine	52	2.788	2.788	0.000	1	277472	80.0	80.1	M
89 Phenol	94	5.149	5.149	0.000	97	579969	80.0	79.0	
90 Aniline	93	5.149	5.149	0.000	73	652847	80.0	77.6	
91 Bis(2-chloroethyl)ether	93	5.219	5.219	0.000	97	419763	80.0	80.4	
93 2-Chlorophenol	128	5.245	5.245	0.000	93	508416	80.0	80.9	
20 n-Decane	57	5.320	5.320	0.000	84	723004	160.0	156.0	
94 1,3-Dichlorobenzene	146	5.379	5.379	0.000	89	591136	80.0	80.4	
95 1,4-Dichlorobenzene	146	5.443	5.443	0.000	89	584846	80.0	80.1	
96 Benzyl alcohol	108	5.566	5.566	0.000	91	292604	80.0	80.4	
97 1,2-Dichlorobenzene	146	5.566	5.566	0.000	89	531908	80.0	79.3	
98 2-Methylphenol	108	5.667	5.667	0.000	95	424917	80.0	79.9	
99 2,2'-oxybis[1-chloropropan	45	5.684	5.684	0.000	91	445991	80.0	80.9	
104 Acetophenone	105	5.790	5.790	0.000	96	608327	80.0	79.7	
102 4-Methylphenol	108	5.806	5.806	0.000	95	396737	80.0	77.8	
101 N-Nitrosodi-n-propylamine	70	5.812	5.812	0.000	81	276049	80.0	78.4	
106 Hexachloroethane	117	5.854	5.854	0.000	92	204938	80.0	86.0	
107 Nitrobenzene	77	5.924	5.924	0.000	82	450678	80.0	79.9	
110 Isophorone	82	6.143	6.143	0.000	95	757428	80.0	79.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
111 2-Nitrophenol	139	6.191	6.191	0.000	89	268083	80.0	84.7	
112 2,4-Dimethylphenol	107	6.250	6.250	0.000	94	405916	80.0	76.7	
115 Bis(2-chloroethoxy)methane	93	6.330	6.330	0.000	97	466480	80.0	78.9	
117 2,4-Dichlorophenol	162	6.394	6.394	0.000	87	427197	80.0	79.1	
119 Benzoic acid	105	6.447	6.447	0.000	86	639687	160.0	165.5	
120 1,2,4-Trichlorobenzene	180	6.463	6.463	0.000	86	464553	80.0	78.5	
121 Naphthalene	128	6.522	6.522	0.000	98	1223164	80.0	76.8	
122 Alpha-Terpineol	59	6.549	6.549	0.000	86	278658	80.0	78.5	
123 4-Chloroaniline	127	6.581	6.581	0.000	84	557269	80.0	77.3	
126 Hexachlorobutadiene	225	6.634	6.634	0.000	89	279496	80.0	79.9	
131 4-Chloro-3-methylphenol	107	7.003	7.003	0.000	84	373008	80.0	81.4	
133 2-Methylnaphthalene	142	7.179	7.179	0.000	83	812987	80.0	78.2	
136 Hexachlorocyclopentadiene	237	7.233	7.233	0.000	85	278853	80.0	84.0	
138 1,2,4,5-Tetrachlorobenzene	216	7.238	7.238	0.000	89	443338	80.0	78.4	
223 2,3-Dichlorobenzenamine	161	7.334	7.334	0.000	94	452343	80.0	78.6	
139 2,4,6-Trichlorophenol	196	7.340	7.340	0.000	86	284156	80.0	80.5	
140 2,4,5-Trichlorophenol	196	7.372	7.372	0.000	95	298224	80.0	78.9	
143 2-Chloronaphthalene	162	7.500	7.500	0.000	97	773475	80.0	79.1	
145 2-Nitroaniline	65	7.596	7.596	0.000	87	223656	80.0	83.8	
147 Dimethyl phthalate	163	7.772	7.772	0.000	97	937679	80.0	79.7	
148 2,6-Dinitrotoluene	165	7.810	7.810	0.000	68	236915	80.0	84.4	
149 Acenaphthylene	152	7.842	7.842	0.000	83	1243915	80.0	80.6	
150 3-Nitroaniline	138	7.949	7.949	0.000	92	255944	80.0	83.3	
151 Acenaphthene	153	7.986	7.986	0.000	94	826171	80.0	79.4	
152 2,4-Dinitrophenol	184	8.039	8.039	0.000	81	286550	160.0	160.8	
153 4-Nitrophenol	109	8.114	8.114	0.000	84	238913	160.0	175.4	
155 Dibenzofuran	168	8.130	8.130	0.000	81	1138397	80.0	80.5	
154 2,4-Dinitrotoluene	165	8.146	8.146	0.000	70	303163	80.0	85.3	
158 2,3,4,6-Tetrachlorophenol	232	8.242	8.242	0.000	65	270045	80.0	84.4	
160 Diethyl phthalate	149	8.355	8.355	0.000	97	827459	80.0	84.9	
161 Fluorene	166	8.413	8.413	0.000	81	896199	80.0	79.2	
162 4-Chlorophenyl phenyl ethe	204	8.424	8.424	0.000	87	464487	80.0	80.1	
164 4-Nitroaniline	138	8.472	8.472	0.000	89	243653	80.0	88.0	
166 4,6-Dinitro-2-methylphenol	198	8.483	8.483	0.000	92	385893	160.0	166.5	
167 N-Nitrosodiphenylamine	169	8.526	8.526	0.000	58	710301	80.0	79.5	
168 1,2-Diphenylhydrazine	77	8.558	8.558	0.000	95	772402	80.0	80.7	
176 4-Bromophenyl phenyl ether	248	8.825	8.825	0.000	51	324475	80.0	81.6	
177 Hexachlorobenzene	284	8.867	8.867	0.000	85	358543	80.0	79.6	
181 Pentachlorophenol	266	9.033	9.033	0.000	83	414940	160.0	168.9	
16 n-Octadecane	57	9.129	9.129	0.000	95	621358	160.0	155.2	
185 Phenanthrene	178	9.204	9.204	0.000	86	1314989	80.0	77.0	
188 Anthracene	178	9.247	9.247	0.000	86	1328013	80.0	78.4	
189 Carbazole	167	9.380	9.380	0.000	82	1241053	80.0	80.2	
192 Di-n-butyl phthalate	149	9.690	9.690	0.000	100	1227860	80.0	83.7	
197 Fluoranthene	202	10.176	10.176	0.000	97	1422769	80.0	81.1	
198 Benzidine	184	10.299	10.299	0.000	87	728326	160.0	149.2	
199 Pyrene	202	10.358	10.358	0.000	94	1478914	80.0	78.7	
205 Butyl benzyl phthalate	149	10.914	10.914	0.000	94	524643	80.0	89.8	
208 3,3'-Dichlorobenzidine	252	11.373	11.373	0.000	63	847746	160.0	170.4	
209 Benzo[a]anthracene	228	11.378	11.378	0.000	87	1225924	80.0	79.7	
211 Chrysene	228	11.416	11.416	0.000	83	1273162	80.0	79.7	
210 Bis(2-ethylhexyl) phthalat	149	11.442	11.442	0.000	92	640228	80.0	81.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
212 Di-n-octyl phthalate	149	12.094	12.094	0.000	98	883710	80.0	81.2	
213 Benzo[b]fluoranthene	252	12.457	12.457	0.000	82	1089298	80.0	90.1	
214 Benzo[k]fluoranthene	252	12.484	12.484	0.000	84	1210162	80.0	81.2	
217 Benzo[a]pyrene	252	12.805	12.805	0.000	72	964163	80.0	91.5	
219 Indeno[1,2,3-cd]pyrene	276	14.065	14.065	0.000	84	662609	80.0	80.5	M
220 Dibenz(a,h)anthracene	278	14.098	14.098	0.000	37	716571	80.0	97.2	
221 Benzo[g,h,i]perylene	276	14.365	14.365	0.000	77	678634	80.0	90.8	
S 222 Total Cresols	1				0			157.6	
S 77 3 & 4 Methylphenol	108				0			77.8	
S 78 3-Methylphenol	1				0		80.0	77.8	

QC Flag Legend

Review Flags
M - Manually Integrated

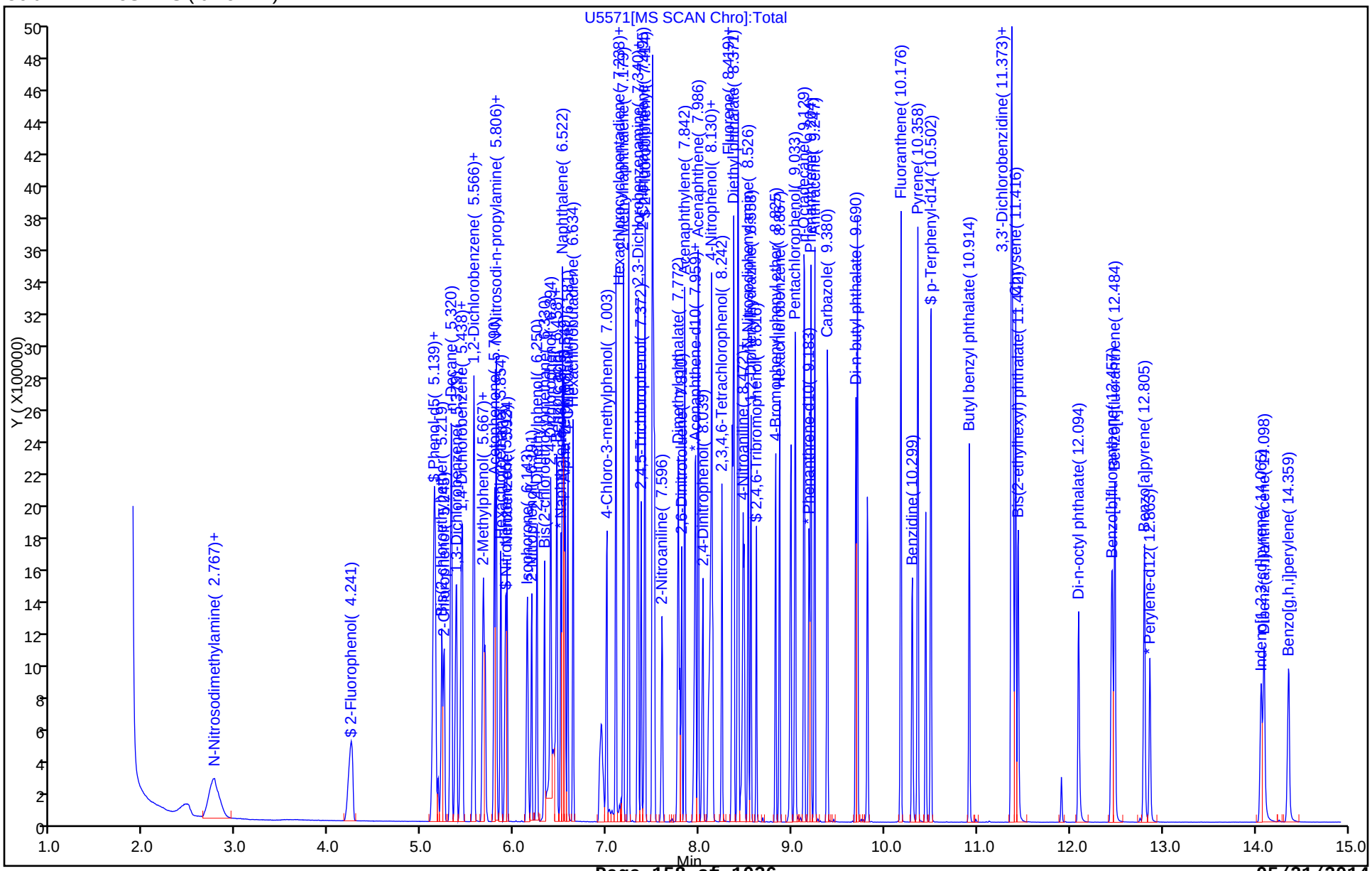
Report Date: 07-May-2014 08:34:59 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5571.D

Injection Date:	06-May-2014 13:00:30	Instrument ID:	HP5973U	Operator ID:	anm
Lims ID:	ICIS - 80 PT			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	U-625	Limit Group:	MB - 625 ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

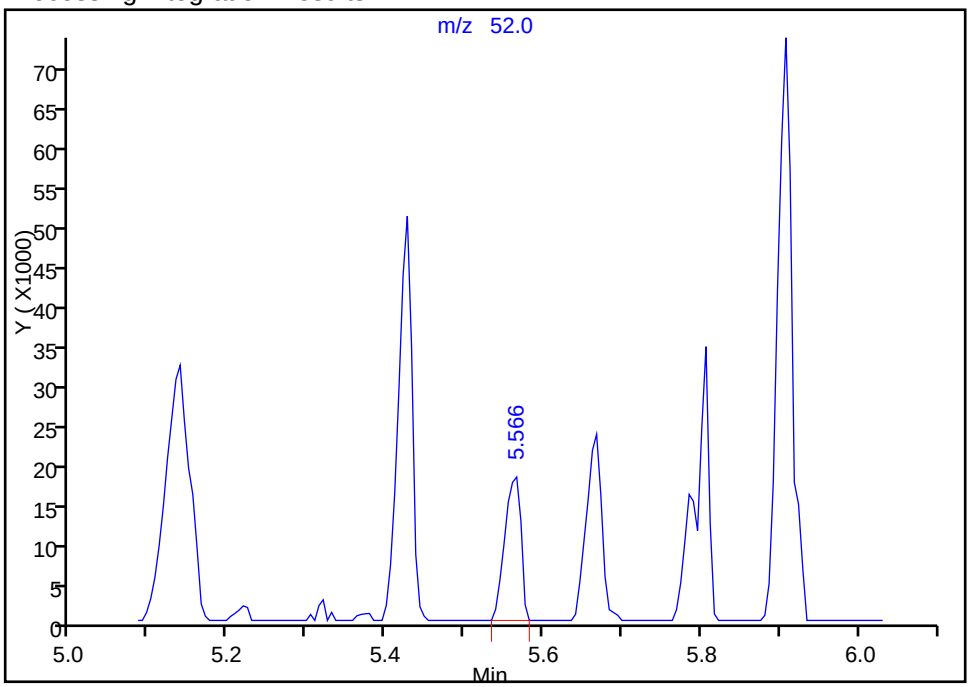
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5571.D
Injection Date: 06-May-2014 13:00:30 Instrument ID: HP5973U
Lims ID: ICIS - 80 PT
Client ID:
Operator ID: anm ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

82 Pyridine, CAS: 110-86-1

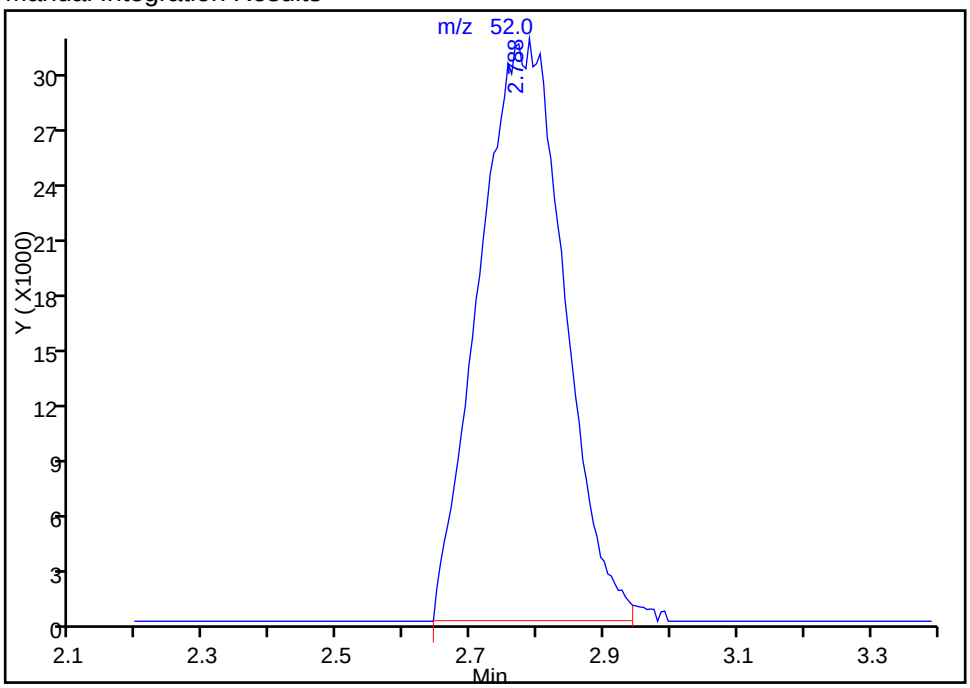
Processing Integration Results

RT: 5.57
Response: 25912
Amount: 80.000000



Manual Integration Results

RT: 2.79
Response: 277472
Amount: 80.087773



Reviewer: mcgoverna, 06-May-2014 13:50:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

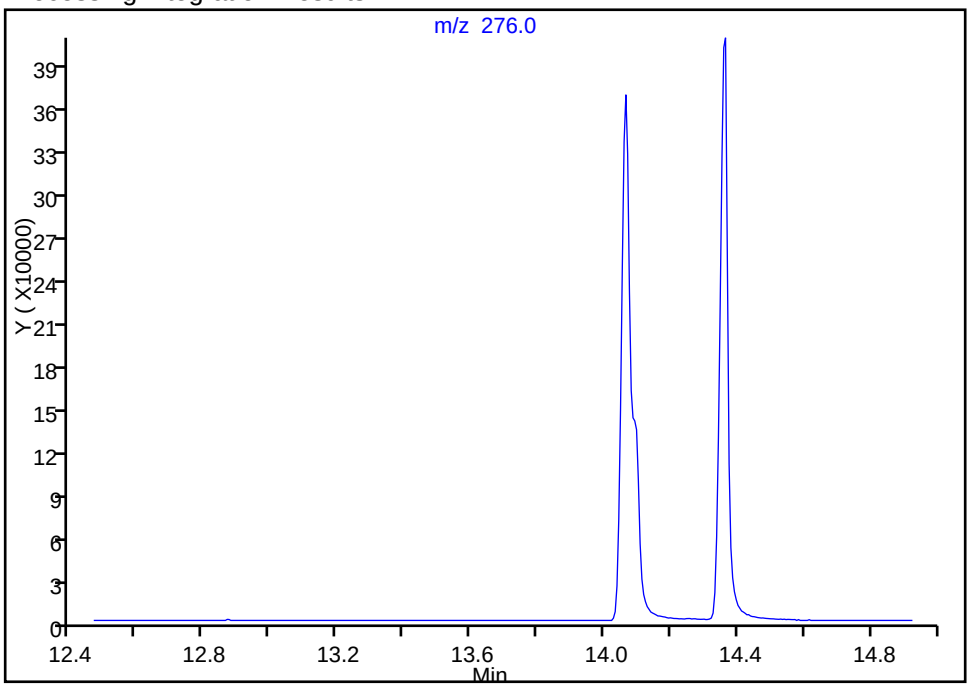
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5571.D
Injection Date: 06-May-2014 13:00:30 Instrument ID: HP5973U
Lims ID: ICIS - 80 PT
Client ID:
Operator ID: anm ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

219 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

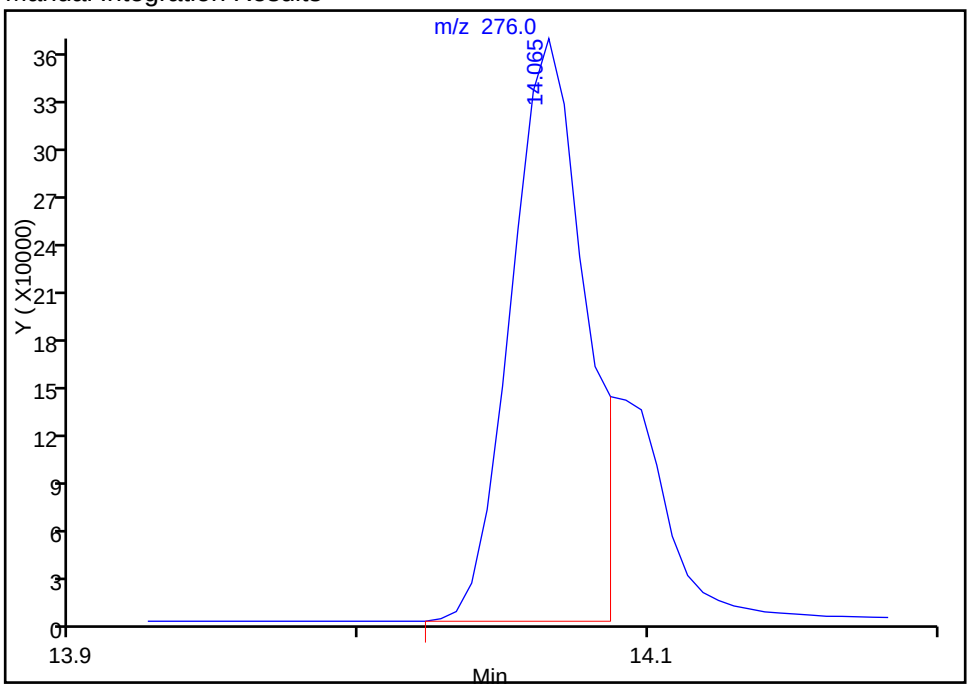
Not Detected
Expected RT: 14.07

Processing Integration Results



Manual Integration Results

RT: 14.07
Response: 662609
Amount: 80.526387



Reviewer: mcgoverna, 06-May-2014 14:00:05
Audit Action: Split an Integrated Peak
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5572.D
Lims ID: IC - 160 PT
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 06-May-2014 13:56:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0031817-005
Operator ID: anm Instrument ID: HP5973U
Sublist: chrom-U-625*sub43

Method: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U-625.m
Limit Group: MB - 625 ICAL
Last Update: 07-May-2014 08:31:35 Calib Date: 06-May-2014 16:13:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5578.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: mcgoverna Date: 07-May-2014 08:31:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.432	5.427	0.005	93	206869	40.0	40.0	
* 2 Naphthalene-d8	136	6.511	6.506	0.005	96	729667	40.0	40.0	
* 3 Acenaphthene-d10	164	7.965	7.959	0.006	78	416926	40.0	40.0	
* 4 Phenanthrene-d10	188	9.193	9.183	0.010	92	726262	40.0	40.0	
* 5 Chrysene-d12	240	11.394	11.384	0.010	69	619375	40.0	40.0	
* 6 Perylene-d12	264	12.869	12.863	0.006	83	429268	40.0	40.0	
$ 9 2-Fluorophenol	112	4.252	4.241	0.011	88	960924	160.0	153.1	
$ 10 Phenol-d5	99	5.149	5.133	0.016	67	1016752	160.0	144.1	
$ 11 Nitrobenzene-d5	82	5.918	5.908	0.010	85	898969	160.0	149.0	
$ 12 2-Fluorobiphenyl	172	7.420	7.414	0.006	97	1724503	160.0	130.1	
$ 13 2,4,6-Tribromophenol	330	8.627	8.616	0.011	86	361080	160.0	162.0	
$ 14 p-Terphenyl-d14	244	10.507	10.502	0.005	96	1801334	160.0	157.8	
81 N-Nitrosodimethylamine	42	2.745	2.745	0.000	83	376164	160.0	158.8	
82 Pyridine	52	2.783	2.788	-0.005	94	545791	160.0	159.9	M
89 Phenol	94	5.160	5.149	0.011	94	1021648	160.0	141.7	
90 Aniline	93	5.165	5.149	0.016	85	1213291	160.0	147.0	
91 Bis(2-chloroethyl)ether	93	5.229	5.219	0.010	94	748808	160.0	146.1	
93 2-Chlorophenol	128	5.251	5.245	0.006	93	927412	160.0	150.2	
20 n-Decane	57	5.326	5.320	0.006	85	1213498	320.0	266.7	
94 1,3-Dichlorobenzene	146	5.379	5.379	0.000	90	1061527	160.0	147.1	
95 1,4-Dichlorobenzene	146	5.443	5.443	0.000	87	1022623	160.0	142.6	
96 Benzyl alcohol	108	5.582	5.566	0.016	91	532819	160.0	149.1	
97 1,2-Dichlorobenzene	146	5.571	5.566	0.005	88	901501	160.0	136.9	
98 2-Methylphenol	108	5.673	5.667	0.006	96	770157	160.0	147.5	
99 2,2'-oxybis[1-chloropropan	45	5.689	5.684	0.005	88	799487	160.0	147.7	
104 Acetophenone	105	5.801	5.785	0.016	94	1074716	160.0	135.0	
102 4-Methylphenol	108	5.822	5.806	0.016	96	693541	160.0	138.4	
101 N-Nitrosodi-n-propylamine	70	5.828	5.812	0.016	88	516898	160.0	149.5	
106 Hexachloroethane	117	5.860	5.854	0.006	89	358649	160.0	154.2	
107 Nitrobenzene	77	5.935	5.924	0.011	82	789574	160.0	143.3	
110 Isophorone	82	6.154	6.143	0.011	95	1438742	160.0	154.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
111 2-Nitrophenol	139	6.196	6.191	0.005	90	494557	160.0	160.0	
112 2,4-Dimethylphenol	107	6.260	6.250	0.010	94	774144	160.0	149.8	
115 Bis(2-chloroethoxy)methane	93	6.335	6.330	0.005	98	842463	160.0	145.9	
117 2,4-Dichlorophenol	162	6.405	6.394	0.011	88	764623	160.0	144.9	
119 Benzoic acid	105	6.517	6.447	0.070	76	1309349	320.0	346.8	
120 1,2,4-Trichlorobenzene	180	6.463	6.463	0.000	87	792542	160.0	137.0	
121 Naphthalene	128	6.528	6.522	0.006	92	1953750	160.0	125.6	
122 Alpha-Terpineol	59	6.560	6.549	0.011	83	498746	160.0	143.8	
123 4-Chloroaniline	127	6.592	6.581	0.011	85	1026182	160.0	145.7	
126 Hexachlorobutadiene	225	6.640	6.634	0.006	88	478537	160.0	140.1	
131 4-Chloro-3-methylphenol	107	7.014	7.003	0.011	76	659208	160.0	147.2	
133 2-Methylnaphthalene	142	7.185	7.179	0.006	83	1342693	160.0	132.2	
136 Hexachlorocyclopentadiene	237	7.238	7.233	0.005	90	469298	160.0	142.0	
138 1,2,4,5-Tetrachlorobenzene	216	7.249	7.243	0.006	89	709181	160.0	125.6	
223 2,3-Dichlorobenzenamine	161	7.340	7.334	0.006	95	786546	160.0	139.9	
139 2,4,6-Trichlorophenol	196	7.350	7.340	0.010	85	511759	160.0	145.6	
140 2,4,5-Trichlorophenol	196	7.388	7.372	0.016	95	541358	160.0	143.8	
143 2-Chloronaphthalene	162	7.510	7.500	0.010	99	1117014	160.0	114.7	
145 2-Nitroaniline	65	7.607	7.596	0.011	89	424277	160.0	159.8	
147 Dimethyl phthalate	163	7.788	7.772	0.016	96	1760173	160.0	150.3	
148 2,6-Dinitrotoluene	165	7.826	7.810	0.016	75	435381	160.0	155.8	
149 Acenaphthylene	152	7.852	7.842	0.010	81	2048612	160.0	133.4	
150 3-Nitroaniline	138	7.975	7.949	0.026	90	491760	160.0	160.8	
151 Acenaphthene	153	7.997	7.986	0.011	88	1352902	160.0	130.6	
152 2,4-Dinitrophenol	184	8.061	8.039	0.022	81	576348	320.0	319.2	
153 4-Nitrophenol	109	8.146	8.114	0.032	86	414666	320.0	305.1	M
155 Dibenzofuran	168	8.141	8.130	0.011	82	1723650	160.0	122.4	
154 2,4-Dinitrotoluene	165	8.162	8.146	0.016	69	560582	160.0	158.5	
158 2,3,4,6-Tetrachlorophenol	232	8.258	8.237	0.021	63	497415	160.0	149.2	
160 Diethyl phthalate	149	8.365	8.355	0.010	97	1220974	160.0	125.8	
161 Fluorene	166	8.424	8.413	0.011	71	1415716	160.0	125.6	
162 4-Chlorophenyl phenyl ethe	204	8.429	8.424	0.005	89	707121	160.0	122.5	
164 4-Nitroaniline	138	8.499	8.472	0.027	85	431319	160.0	156.4	
166 4,6-Dinitro-2-methylphenol	198	8.509	8.483	0.026	94	747347	320.0	313.7	
167 N-Nitrosodiphenylamine	169	8.542	8.526	0.016	47	1241149	160.0	136.6	
168 1,2-Diphenylhydrazine	77	8.568	8.558	0.010	93	1315715	160.0	138.0	
176 4-Bromophenyl phenyl ether	248	8.830	8.825	0.005	52	561257	160.0	138.9	
177 Hexachlorobenzene	284	8.878	8.867	0.011	85	632961	160.0	138.3	
181 Pentachlorophenol	266	9.049	9.033	0.016	83	781018	320.0	311.4	
16 n-Octadecane	57	9.140	9.129	0.011	94	988868	320.0	243.0	
185 Phenanthrene	178	9.215	9.204	0.011	82	2268939	160.0	130.8	
188 Anthracene	178	9.257	9.247	0.010	83	2267150	160.0	131.7	
189 Carbazole	167	9.396	9.380	0.016	82	2139496	160.0	136.0	
192 Di-n-butyl phthalate	149	9.695	9.690	0.005	100	2025976	160.0	136.0	
197 Fluoranthene	202	10.187	10.176	0.011	97	2291328	160.0	128.5	
198 Benzidine	184	10.304	10.299	0.005	87	1384049	320.0	330.4	
199 Pyrene	202	10.369	10.358	0.011	93	2418320	160.0	148.9	
205 Butyl benzyl phthalate	149	10.919	10.914	0.005	94	881893	160.0	174.7	
208 3,3'-Dichlorobenzidine	252	11.384	11.373	0.011	66	1211012	320.0	281.7	
209 Benzo[a]anthracene	228	11.389	11.378	0.011	87	1784880	160.0	134.3	
211 Chrysene	228	11.426	11.416	0.010	83	1972232	160.0	142.9	
210 Bis(2-ethylhexyl) phthalat	149	11.448	11.442	0.006	91	1100852	160.0	185.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
212 Di-n-octyl phthalate	149	12.099	12.094	0.005	98	1526504	160.0	158.8	
213 Benzo[b]fluoranthene	252	12.468	12.457	0.011	78	1836428	160.0	177.0	
214 Benzo[k]fluoranthene	252	12.495	12.484	0.011	84	1851845	160.0	144.8	
217 Benzo[a]pyrene	252	12.815	12.805	0.010	75	1558934	160.0	172.5	
219 Indeno[1,2,3-cd]pyrene	276	14.076	14.065	0.011	79	1149933	160.0	159.5	M
220 Dibenz(a,h)anthracene	278	14.108	14.098	0.010	47	1177723	160.0	186.1	
221 Benzo[g,h,i]perylene	276	14.375	14.365	0.010	80	1118167	160.0	174.4	
S 222 Total Cresols	1				0			285.9	
S 77 3 & 4 Methylphenol	108				0			138.4	
S 78 3-Methylphenol	1				0		160.0	138.4	

QC Flag Legend

Review Flags
M - Manually Integrated

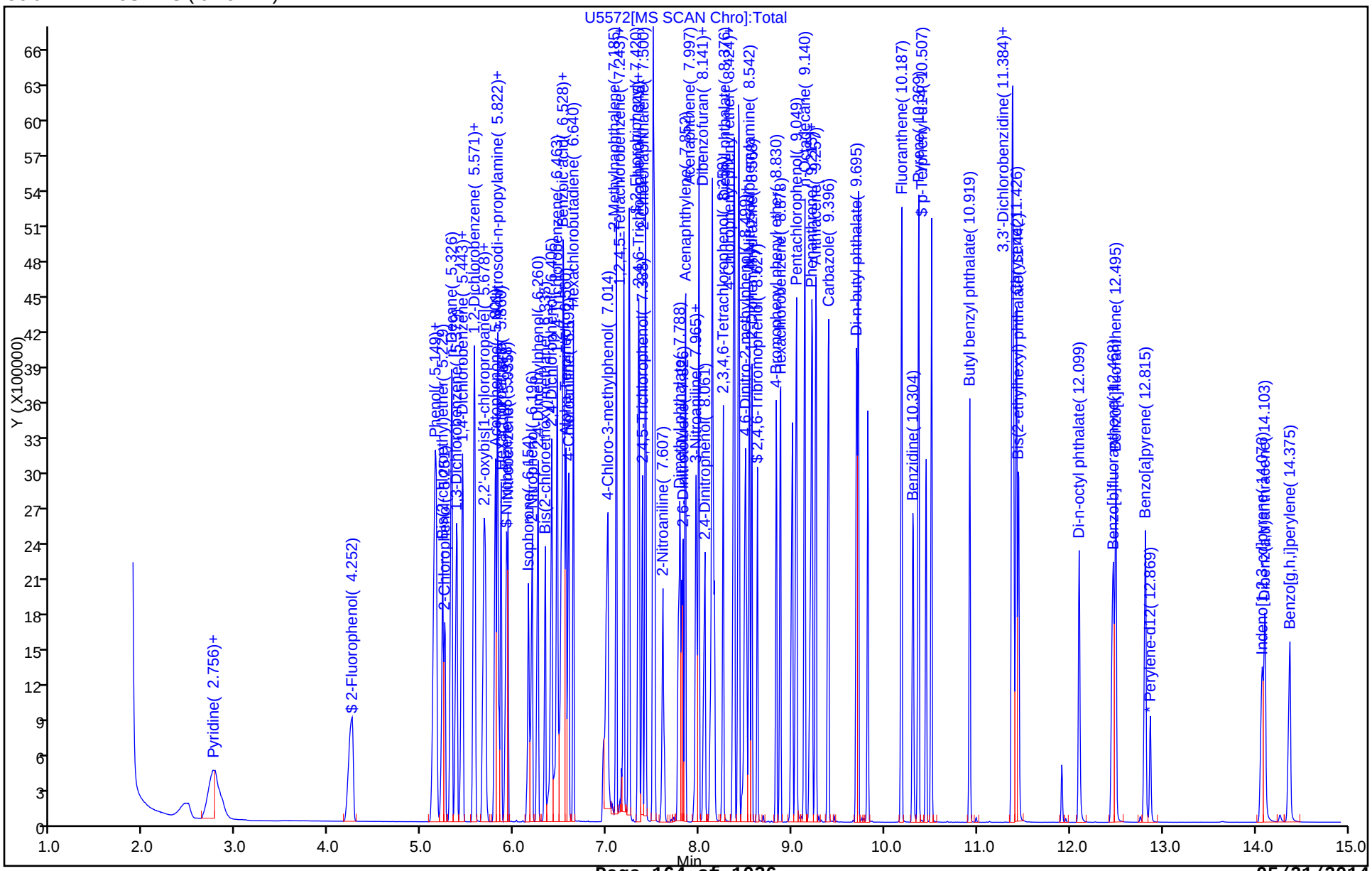
Report Date: 07-May-2014 08:31:36 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5572.D

Injection Date:	06-May-2014 13:56:30	Instrument ID:	HP5973U	Operator ID:	anm
Lims ID:	IC - 160 PT			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	U-625	Limit Group:	MB - 625 ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

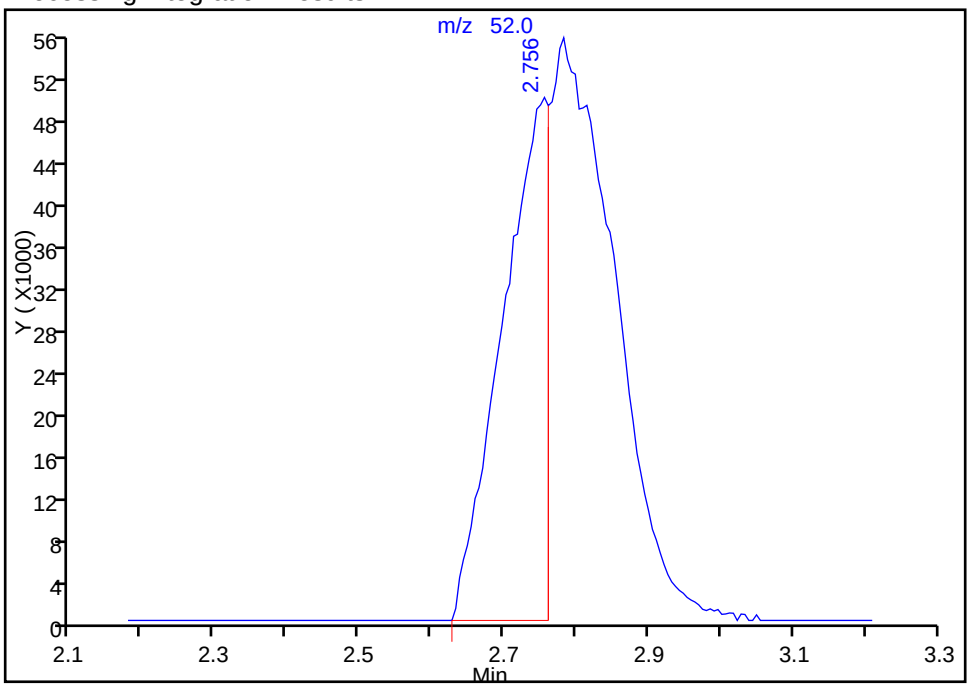
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5572.D
Injection Date: 06-May-2014 13:56:30 Instrument ID: HP5973U
Lims ID: IC - 160 PT
Client ID:
Operator ID: anm ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

82 Pyridine, CAS: 110-86-1

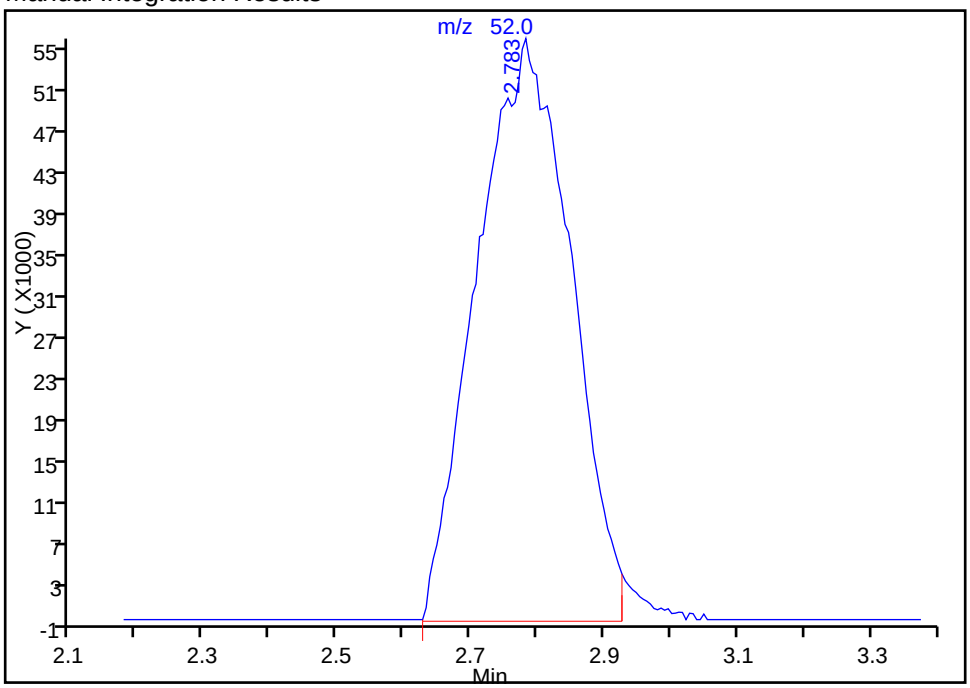
Processing Integration Results

RT: 2.76
Response: 219556
Amount: 107.3977



Manual Integration Results

RT: 2.78
Response: 545791
Amount: 159.9151



Reviewer: mcgoverna, 06-May-2014 14:44:49
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

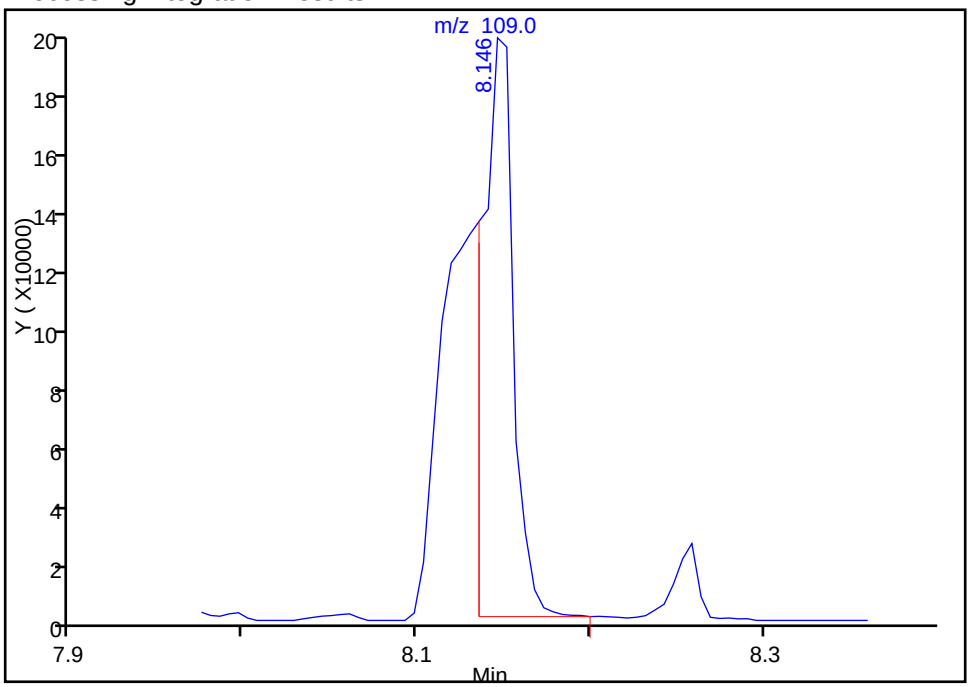
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5572.D
Injection Date: 06-May-2014 13:56:30 Instrument ID: HP5973U
Lims ID: IC - 160 PT
Client ID:
Operator ID: anm ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

153 4-Nitrophenol, CAS: 100-02-7

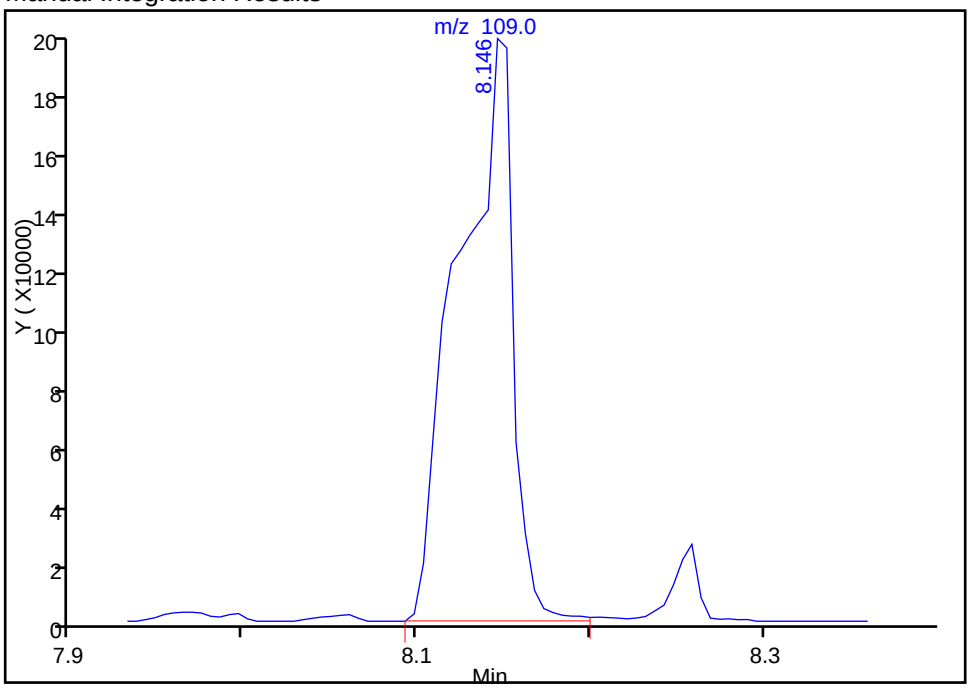
Processing Integration Results

RT: 8.15
Response: 236462
Amount: 240.5976



Manual Integration Results

RT: 8.15
Response: 414666
Amount: 305.1233



Reviewer: mcgoverna, 06-May-2014 14:44:49
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

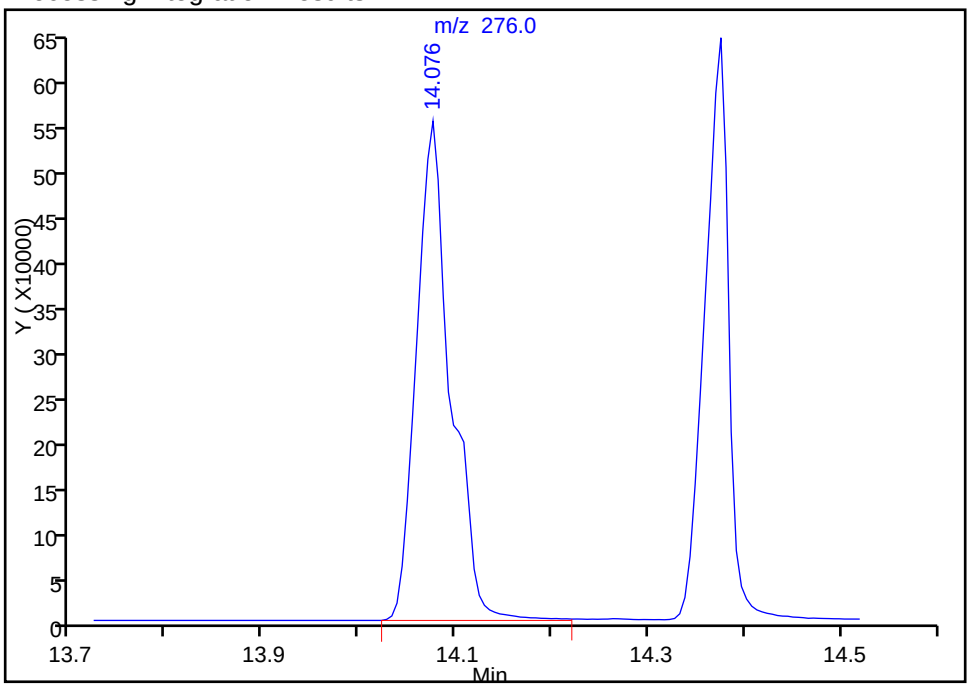
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5572.D				
Injection Date:	06-May-2014 13:56:30	Instrument ID:	HP5973U		
Lims ID:	IC - 160 PT				
Client ID:					
Operator ID:	anm	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	U-625	Limit Group:	MB - 625 ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

219 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

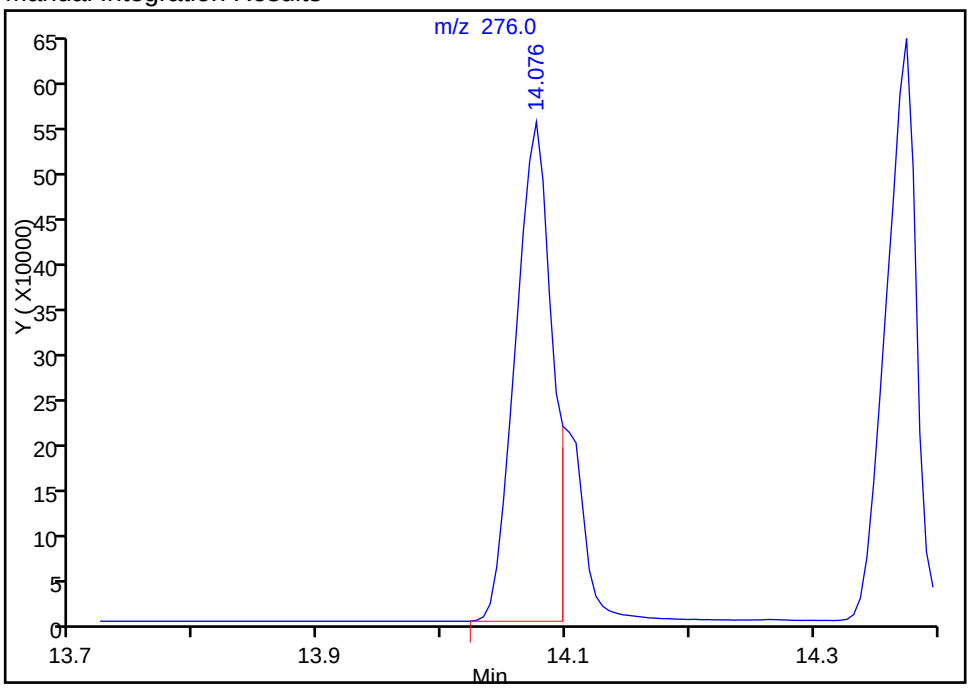
Processing Integration Results

RT: 14.08
Response: 1376786
Amount: 168.0913



Manual Integration Results

RT: 14.08
Response: 1149933
Amount: 159.4906



Reviewer: mcgoverna, 06-May-2014 14:45:48
Audit Action: Split an Integrated Peak
Audit Reason: Assign Peak

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 181172

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/09/2014 16:39 Calibration End Date: 05/09/2014 17:26 Calibration ID: 18316

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-181172/15	U5655.D
Level 2	ICIS 480-181172/16	U5656.D
Level 3	IC 480-181172/17	U5657.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
N-Nitrosodimethylamine	0.3797	0.4374	0.4151			Lin1	-0.180	0.4238							0.9990		0.9900
Pyridine	0.5568	0.5767	0.5784			Lin1	-0.112	0.5788							1.0000		0.9900
Aniline	1.6644	1.4437	1.3901			Ave		1.4994				9.7		35.0			
Phenol	1.4796	1.3053	1.1970			Ave		1.3273				11.0		35.0			
Bis(2-chloroethyl)ether	1.0180	0.9191	0.8441			Ave		0.9271				9.4		35.0			
2-Chlorophenol	1.2470	1.1813	1.1013			Ave		1.1765				6.2		35.0			
n-Decane	0.8874	0.7818	0.7014			Ave		0.7902				12.0		35.0			
1,3-Dichlorobenzene	1.4870	1.3765	1.2741			Ave		1.3792				7.7		35.0			
1,4-Dichlorobenzene	1.5004	1.3607	1.2450			Ave		1.3687				9.3		35.0			
1,2-Dichlorobenzene	1.4463	1.2484	1.1114			Ave		1.2687				13.0		35.0			
Benzyl alcohol	0.7097	0.6654	0.6065			Ave		0.6605				7.8		35.0			
2-Methylphenol	1.0416	0.9407	0.8739			Ave		0.9520				8.9		35.0			
bis (2-chloroisopropyl) ether	0.9157	0.8720	0.8122			Ave		0.8666				6.0		35.0			
Acetophenone	1.4979	1.3661	1.2320			Ave		1.3653				9.7		35.0			
N-Nitrosodi-n-propylamine	0.6617	0.5984	0.5520			Ave		0.6040				9.1		35.0			
4-Methylphenol	1.0728	0.9271	0.8135			Ave		0.9378				14.0		35.0			
Hexachloroethane	0.4824	0.4644	0.4260			Lin1	0.2955	0.4360							0.9980		0.9900
Nitrobenzene	0.2948	0.2780	0.2517			Ave		0.2748				7.9		35.0			
Isophorone	0.4815	0.4649	0.3306			Ave		0.4257				19.0		35.0			
2-Nitrophenol	0.1488	0.1787	0.1691			Ave		0.1655				9.2		35.0			
2,4-Dimethylphenol	0.2925	0.2600	0.2539			Ave		0.2688				7.7		35.0			
Bis(2-chloroethoxy)methane	0.3208	0.2909	0.2653			Ave		0.2923				9.5		35.0			
2,4-Dichlorophenol	0.3182	0.2860	0.2602			Ave		0.2881				10.0		35.0			
Benzoic acid	0.1927	0.2280	0.2209			Ave		0.2138				8.7		35.0			
1,2,4-Trichlorobenzene	0.3759	0.3242	0.2822			Ave		0.3274				14.0		35.0			
Naphthalene	1.0157	0.8279	0.6959			Ave		0.8465				19.0		35.0			
Alpha-Terpineol	0.1800	0.1628	0.1496			Ave		0.1641				9.3		35.0			
4-Chloroaniline	0.4222	0.3781	0.3458			Ave		0.3820				10.0		35.0			
Hexachlorobutadiene	0.2176	0.1983	0.1731			Ave		0.1963				11.0		35.0			
4-Chloro-3-methylphenol	0.2441	0.2408	0.2183			Ave		0.2344				6.0		35.0			
2-Methylnaphthalene	0.6476	0.5536	0.4679			Ave		0.5564				16.0		35.0			
Hexachlorocyclopentadiene	0.1821	0.2707	0.2508			Lin1	-0.352	0.2602							0.9980		0.9900
1,2,4,5-Tetrachlorobenzene	0.6659	0.5531	0.4883			Ave		0.5691				16.0		35.0			
2,3-Dichloroaniline	0.3542	0.3122	0.2756			Ave		0.3140				13.0		35.0			

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.: 480-59386-1 Analy Batch No.: 181172

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/09/2014 16:39 Calibration End Date: 05/09/2014 17:26 Calibration ID: 18316

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
2,4,6-Trichlorophenol	0.3495	0.3449	0.3285			Ave		0.3410				3.2		35.0			
2,4,5-Trichlorophenol	0.4086	0.4084	0.3854			Ave		0.4008				3.3		35.0			
2-Chloronaphthalene	1.1927	0.9499	0.7747			Ave		0.9724				22.0		35.0			
2-Nitroaniline	0.2117	0.2341	0.2291			Ave		0.2250				5.2		35.0			
Dimethyl phthalate	1.2349	1.1040	1.0674			Ave		1.1354				7.8		35.0			
2,6-Dinitrotoluene	0.2581	0.2797	0.2673			Ave		0.2684				4.0		35.0			
Acenaphthylene	1.6673	1.4690	1.3141			Ave		1.4835				12.0		35.0			
3-Nitroaniline	0.2699	0.3026	0.2894			Ave		0.2873				5.7		35.0			
Acenaphthene	1.1331	0.9842	0.8700			Ave		0.9957				13.0		35.0			
2,4-Dinitrophenol	0.0424	0.1583	0.1734			Lin1	-1.355	0.1741							0.9990		0.9900
4-Nitrophenol	0.1104	0.1431	0.1262			Lin1	-0.159	0.1324							0.9950		0.9900
Dibenzofuran	1.6375	1.3734	1.1184			Ave		1.3765				19.0		35.0			
2,4-Dinitrotoluene	0.3217	0.3654	0.3535			Ave		0.3468				6.5		35.0			
2,3,4,6-Tetrachlorophenol	0.2587	0.3320	0.3280			Lin1	-0.357	0.3322							1.0000		0.9900
Diethyl phthalate	1.0553	0.9878	0.8160			Ave		0.9531				13.0		35.0			
Fluorene	1.2828	1.0925	0.9267			Ave		1.1007				16.0		35.0			
4-Chlorophenyl phenyl ether	0.6796	0.5770	0.4822			Ave		0.5796				17.0		35.0			
4-Nitroaniline	0.2582	0.2799	0.2659			Ave		0.2680				4.1		35.0			
4,6-Dinitro-2-methylphenol	0.0556	0.1351	0.1272			Lin1	-0.738	0.1328							0.9980		0.9900
N-Nitrosodiphenylamine	0.5434	0.4938	0.4288			Ave		0.4887				12.0		35.0			
1,2-Diphenylhydrazine	0.8932	0.8461	0.7764			Ave		0.8386				7.0		35.0			
4-Bromophenyl phenyl ether	0.2496	0.2315	0.2014			Ave		0.2275				11.0		35.0			
Hexachlorobenzene	0.2950	0.2683	0.2358			Ave		0.2664				11.0		35.0			
Pentachlorophenol	0.1007	0.1534	0.1456			Lin1	-0.462	0.1500							0.9990		0.9900
n-Octadecane	0.2348	0.1934	0.1593			Ave		0.1959				19.0		35.0			
Phenanthrene	1.1194	0.9344	0.7911			Ave		0.9483				17.0		35.0			
Anthracene	1.1085	0.9482	0.7916			Ave		0.9494				17.0		35.0			
Carbazole	0.9822	0.8655	0.7650			Ave		0.8709				12.0		35.0			
Di-n-butyl phthalate	0.9196	0.8680	0.7270			Ave		0.8382				12.0		35.0			
Fluoranthene	1.1584	1.0404	0.8603			Ave		1.0197				15.0		35.0			
Benzidine	0.3942	0.2266	0.2919			Ave		0.3042				28.0		35.0			
Pyrene	1.1369	1.0210	0.9605			Ave		1.0395				8.6		35.0			
Butyl benzyl phthalate	0.2995	0.3629	0.3500			Ave		0.3375				9.9		35.0			
3,3'-Dichlorobenzidine	0.3290	0.3089	0.2621			Ave		0.3000				11.0		35.0			
Benzo[a]anthracene	1.0288	0.8875	0.7601			Ave		0.8921				15.0		35.0			
Chrysene	0.9970	0.9074	0.7813			Ave		0.8953				12.0		35.0			
Bis(2-ethylhexyl) phthalate	0.3607	0.4748	0.4630			Lin1	-0.527	0.4712							1.0000		0.9900
Di-n-octyl phthalate	0.4047	0.7074	0.6846			Lin1	-1.441	0.7040							0.9990		0.9900
Benzo[b]fluoranthene	0.8814	1.0646	1.0902			Ave		1.0121				11.0		35.0			
Benzo[k]fluoranthene	1.2935	1.2613	1.0540			Ave		1.2029				11.0		35.0			
Benzo[a]pyrene	0.7996	0.9913	0.9047			Ave		0.8986				11.0		35.0			

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.: 480-59386-1 Analy Batch No.: 181172

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/09/2014 16:39 Calibration End Date: 05/09/2014 17:26 Calibration ID: 18316

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
Indeno[1,2,3-cd]pyrene	0.5261	0.7058	0.7114			Lin1	-0.956	0.7175							1.0000		0.9900
Dibenz(a,h)anthracene	0.5997	0.7615	0.7260			Ave		0.6957				12.0		35.0			
Benzo[g,h,i]perylene	0.6443	0.7059	0.6809			Ave		0.6770				4.6		35.0			
2-Fluorophenol	1.2015	1.1630	1.1122			Ave		1.1589				3.9		35.0			
Phenol-d5	1.4312	1.2977	1.1871			Ave		1.3053				9.4		35.0			
Nitrobenzene-d5	0.3180	0.3079	0.2838			Ave		0.3032				5.8		35.0			
2-Fluorobiphenyl	1.4904	1.2556	1.1075			Ave		1.2845				15.0		35.0			
2,4,6-Tribromophenol	0.1223	0.1540	0.1384			Lin1	-0.081	0.1442							0.9970		0.9900
p-Terphenyl-d14	0.8273	0.7705	0.7335			Lin1	0.4879	0.7415							0.9990		0.9900

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 181172

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/09/2014 16:39 Calibration End Date: 05/09/2014 17:26 Calibration ID: 18316

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-181172/15	U5655.D
Level 2	ICIS 480-181172/16	U5656.D
Level 3	IC 480-181172/17	U5657.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
N-Nitrosodimethylamine	DCB	Lin1	6057	124711	221088			5.00	80.0	160		
Pyridine	DCB	Lin1	8881	164441	308110			5.00	80.0	160		
Aniline	DCB	Ave	26548	411631	740442			5.00	80.0	160		
Phenol	DCB	Ave	23601	372169	637569			5.00	80.0	160		
Bis(2-chloroethyl)ether	DCB	Ave	16238	262058	449631			5.00	80.0	160		
2-Chlorophenol	DCB	Ave	19891	336797	586607			5.00	80.0	160		
n-Decane	DCB	Ave	28308	445814	747157			10.0	160	320		
1,3-Dichlorobenzene	DCB	Ave	23718	392475	678640			5.00	80.0	160		
1,4-Dichlorobenzene	DCB	Ave	23933	387959	663151			5.00	80.0	160		
1,2-Dichlorobenzene	DCB	Ave	23069	355935	591974			5.00	80.0	160		
Benzyl alcohol	DCB	Ave	11320	189708	323069			5.00	80.0	160		
2-Methylphenol	DCB	Ave	16614	268200	465465			5.00	80.0	160		
bis (2-chloroisopropyl) ether	DCB	Ave	14606	248612	432640			5.00	80.0	160		
Acetophenone	DCB	Ave	23892	389503	656244			5.00	80.0	160		
N-Nitrosodi-n-propylamine	DCB	Ave	10554	170606	294019			5.00	80.0	160		
4-Methylphenol	DCB	Ave	17112	264323	433332			5.00	80.0	160		
Hexachloroethane	DCB	Lin1	7695	132398	226894			5.00	80.0	160		
Nitrobenzene	NPT	Ave	16417	280470	473207			5.00	80.0	160		
Isophorone	NPT	Ave	26811	469155	621428			5.00	80.0	160		
2-Nitrophenol	NPT	Ave	8288	180320	317794			5.00	80.0	160		
2,4-Dimethylphenol	NPT	Ave	16288	262387	477335			5.00	80.0	160		
Bis(2-chloroethoxy)methane	NPT	Ave	17866	293531	498730			5.00	80.0	160		
2,4-Dichlorophenol	NPT	Ave	17718	288588	489102			5.00	80.0	160		
Benzoic acid	NPT	Ave	214564	460116	830344			100	160	320		
1,2,4-Trichlorobenzene	NPT	Ave	20933	327118	530423			5.00	80.0	160		
Naphthalene	NPT	Ave	56562	835383	1308246			5.00	80.0	160		
Alpha-Terpineol	NPT	Ave	10022	164287	281259			5.00	80.0	160		
4-Chloroaniline	NPT	Ave	23508	381489	650032			5.00	80.0	160		
Hexachlorobutadiene	NPT	Ave	12119	200067	325452			5.00	80.0	160		
4-Chloro-3-methylphenol	NPT	Ave	13594	243025	410454			5.00	80.0	160		
2-Methylnaphthalene	NPT	Ave	36062	558632	879565			5.00	80.0	160		
Hexachlorocyclopentadiene	ANT	Lin1	5729	159957	259908			5.00	80.0	160		
1,2,4,5-Tetrachlorobenzene	ANT	Ave	20943	326820	506041			5.00	80.0	160		
2,3-Dichloroaniline	NPT	Ave	19725	315052	518135			5.00	80.0	160		
2,4,6-Trichlorophenol	ANT	Ave	10993	203770	340465			5.00	80.0	160		
2,4,5-Trichlorophenol	ANT	Ave	12850	241316	399412			5.00	80.0	160		

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 181172

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/09/2014 16:39 Calibration End Date: 05/09/2014 17:26 Calibration ID: 18316

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
2-Chloronaphthalene	ANT	Ave	37512	561249	802791			5.00	80.0	160		
2-Nitroaniline	ANT	Ave	6660	138295	237431			5.00	80.0	160		
Dimethyl phthalate	ANT	Ave	38841	652279	1106140			5.00	80.0	160		
2,6-Dinitrotoluene	ANT	Ave	8118	165238	277035			5.00	80.0	160		
Acenaphthylene	ANT	Ave	52442	867974	1361769			5.00	80.0	160		
3-Nitroaniline	ANT	Ave	8490	178776	299909			5.00	80.0	160		
Acenaphthene	ANT	Ave	35639	581484	901550			5.00	80.0	160		
2,4-Dinitrophenol	ANT	Lin1	2668	187046	359440			10.0	160	320		
4-Nitrophenol	ANT	Lin1	6947	169075	261580			10.0	160	320		
Dibenzofuran	ANT	Ave	51505	811469	1159014			5.00	80.0	160		
2,4-Dinitrotoluene	ANT	Ave	10117	215894	366276			5.00	80.0	160		
2,3,4,6-Tetrachlorophenol	ANT	Lin1	8136	196151	339876			5.00	80.0	160		
Diethyl phthalate	ANT	Ave	33193	583653	845621			5.00	80.0	160		
Fluorene	ANT	Ave	40348	645523	960370			5.00	80.0	160		
4-Chlorophenyl phenyl ether	ANT	Ave	21376	340904	499719			5.00	80.0	160		
4-Nitroaniline	ANT	Ave	8122	165387	275508			5.00	80.0	160		
4,6-Dinitro-2-methylphenol	PHN	Lin1	5706	277741	487065			10.0	160	320		
N-Nitrosodiphenylamine	PHN	Ave	27898	507683	820767			5.00	80.0	160		
1,2-Diphenylhydrazine	ANT	Ave	28093	499909	804601			5.00	80.0	160		
4-Bromophenyl phenyl ether	PHN	Ave	12816	238066	385404			5.00	80.0	160		
Hexachlorobenzene	PHN	Ave	15146	275895	451271			5.00	80.0	160		
Pentachlorophenol	PHN	Lin1	10335	315384	557319			10.0	160	320		
n-Octadecane	PHN	Ave	24114	397771	609851			10.0	160	320		
Phenanthrene	PHN	Ave	57473	960711	1514075			5.00	80.0	160		
Anthracene	PHN	Ave	56912	974930	1515028			5.00	80.0	160		
Carbazole	PHN	Ave	50428	889936	1464180			5.00	80.0	160		
Di-n-butyl phthalate	PHN	Ave	47215	892487	1391341			5.00	80.0	160		
Fluoranthene	PHN	Ave	59474	1069753	1646522			5.00	80.0	160		
Benzidine	CRY	Ave	44185	489228	1044311			10.0	160	320		
Pyrene	CRY	Ave	63713	1102323	1718361			5.00	80.0	160		
Butyl benzyl phthalate	CRY	Ave	16787	391835	626194			5.00	80.0	160		
3,3'-Dichlorobenzidine	CRY	Ave	36874	667004	937970			10.0	160	320		
Benzo[a]anthracene	CRY	Ave	57658	958175	1359802			5.00	80.0	160		
Chrysene	CRY	Ave	55876	979722	1397794			5.00	80.0	160		
Bis(2-ethylhexyl) phthalate	CRY	Lin1	20212	512582	828403			5.00	80.0	160		
Di-n-octyl phthalate	CRY	Lin1	22680	763744	1224742			5.00	80.0	160		
Benzo[b]fluoranthene	PRY	Ave	38083	842397	1435676			5.00	80.0	160		
Benzo[k]fluoranthene	PRY	Ave	55888	998049	1388052			5.00	80.0	160		
Benzo[a]pyrene	PRY	Ave	34549	784429	1191438			5.00	80.0	160		
Indeno[1,2,3-cd]pyrene	PRY	Lin1	22730	558456	936815			5.00	80.0	160		
Dibenz(a,h)anthracene	PRY	Ave	25912	602549	956111			5.00	80.0	160		
Benzo[g,h,i]perylene	PRY	Ave	27837	558549	896641			5.00	80.0	160		
2-Fluorophenol	DCB	Ave	19165	331582	592409			5.00	80.0	160		

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 181172

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/09/2014 16:39 Calibration End Date: 05/09/2014 17:26 Calibration ID: 18316

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
Phenol-d5	DCB	Ave	22828	369990	632327			5.00	80.0	160		
Nitrobenzene-d5	NPT	Ave	17707	310640	533427			5.00	80.0	160		
2-Fluorobiphenyl	ANT	Ave	46876	741888	1147654			5.00	80.0	160		
2,4,6-Tribromophenol	PHN	Lin1	6278	158327	264903			5.00	80.0	160		
p-Terphenyl-d14	CRY	Lin1	46362	831891	1312235			5.00	80.0	160		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5655.D
Lims ID: IC - 5 PT
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 09-May-2014 16:39:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0031947-015
Operator ID: anm Instrument ID: HP5973U
Sublist: chrom-U-625*sub43

Method: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U-625.m
Limit Group: MB - 625 ICAL
Last Update: 09-May-2014 20:10:39 Calib Date: 09-May-2014 17:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5657.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: mcgoverna Date: 09-May-2014 20:10:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.411	5.416	-0.005	92	127606	40.0	40.0	
* 2 Naphthalene-d8	136	6.485	6.490	-0.005	97	445480	40.0	40.0	
* 3 Acenaphthene-d10	164	7.938	7.943	-0.005	76	251621	40.0	40.0	
* 4 Phenanthrene-d10	188	9.156	9.167	-0.011	76	410728	40.0	40.0	
* 5 Chrysene-d12	240	11.357	11.368	-0.011	78	448337	40.0	40.0	
* 6 Perylene-d12	264	12.831	12.837	-0.006	84	345652	40.0	40.0	
$ 9 2-Fluorophenol	112	4.225	4.230	-0.005	15	19165	5.00	5.18	
$ 10 Phenol-d5	99	5.106	5.122	-0.016	71	22828	5.00	5.48	
$ 11 Nitrobenzene-d5	82	5.881	5.897	-0.016	70	17707	5.00	5.24	
$ 12 2-Fluorobiphenyl	172	7.393	7.398	-0.005	85	46876	5.00	5.80	
$ 13 2,4,6-Tribromophenol	330	8.589	8.600	-0.011	1	6278	5.00	4.81	
$ 14 p-Terphenyl-d14	244	10.475	10.486	-0.011	82	46362	5.00	4.92	
81 N-Nitrosodimethylamine	42	2.734	2.724	0.010	0	6057	5.00	4.90	M
82 Pyridine	52	2.750	2.756	-0.006	0	8881	5.00	5.00	M
90 Aniline	93	5.122	5.133	-0.011	75	26548	5.00	5.55	
89 Phenol	94	5.122	5.133	-0.011	88	23601	5.00	5.57	
91 Bis(2-chloroethyl)ether	93	5.197	5.208	-0.011	71	16238	5.00	5.49	
93 2-Chlorophenol	128	5.224	5.229	-0.005	57	19891	5.00	5.30	
20 n-Decane	57	5.304	5.309	-0.005	81	28308	10.0	11.2	
94 1,3-Dichlorobenzene	146	5.357	5.363	-0.006	81	23718	5.00	5.39	
95 1,4-Dichlorobenzene	146	5.422	5.427	-0.005	80	23933	5.00	5.48	
96 Benzyl alcohol	108	5.539	5.555	-0.016	84	11320	5.00	5.37	
97 1,2-Dichlorobenzene	146	5.550	5.555	-0.005	87	23069	5.00	5.70	
98 2-Methylphenol	108	5.646	5.657	-0.011	77	16614	5.00	5.47	
99 2,2'-oxybis[1-chloropropan	45	5.667	5.673	-0.006	80	14606	5.00	5.28	
104 Acetophenone	105	5.763	5.774	-0.011	89	23892	5.00	5.49	
101 N-Nitrosodi-n-propylamine	70	5.774	5.796	-0.022	70	10554	5.00	5.48	
102 4-Methylphenol	108	5.779	5.796	-0.017	90	17112	5.00	5.72	
106 Hexachloroethane	117	5.838	5.844	-0.006	78	7695	5.00	4.85	
107 Nitrobenzene	77	5.897	5.913	-0.016	71	16417	5.00	5.36	
110 Isophorone	82	6.111	6.127	-0.016	85	26811	5.00	5.66	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
111 2-Nitrophenol	139	6.169	6.175	-0.006	68	8288	5.00	4.50	
112 2,4-Dimethylphenol	107	6.223	6.234	-0.011	86	16288	5.00	5.44	
115 Bis(2-chloroethoxy)methane	93	6.303	6.314	-0.011	86	17866	5.00	5.49	
117 2,4-Dichlorophenol	162	6.372	6.383	-0.011	78	17718	5.00	5.52	
119 Benzoic acid	105	6.388	6.426	-0.038	75	214564	100.0	90.1	
120 1,2,4-Trichlorobenzene	180	6.442	6.447	-0.005	79	20933	5.00	5.74	
121 Naphthalene	128	6.501	6.511	-0.010	69	56562	5.00	6.00	
122 Alpha-Terpineol	59	6.527	6.538	-0.011	76	10022	5.00	5.48	
123 4-Chloroaniline	127	6.559	6.570	-0.011	79	23508	5.00	5.53	
126 Hexachlorobutadiene	225	6.618	6.624	-0.006	75	12119	5.00	5.54	
131 4-Chloro-3-methylphenol	107	6.965	6.987	-0.022	72	13594	5.00	5.21	
133 2-Methylnaphthalene	142	7.158	7.169	-0.011	75	36062	5.00	5.82	
136 Hexachlorocyclopentadiene	237	7.217	7.222	-0.005	51	5729	5.00	4.85	
138 1,2,4,5-Tetrachlorobenzene	216	7.217	7.227	-0.010	82	20943	5.00	5.85	
223 2,3-Dichlorobenzenamine	161	7.313	7.318	-0.005	87	19725	5.00	5.64	
139 2,4,6-Trichlorophenol	196	7.318	7.329	-0.011	77	10993	5.00	5.13	
140 2,4,5-Trichlorophenol	196	7.345	7.361	-0.016	83	12850	5.00	5.10	
143 2-Chloronaphthalene	162	7.478	7.489	-0.011	91	37512	5.00	6.13	
145 2-Nitroaniline	65	7.569	7.585	-0.016	55	6660	5.00	4.71	
147 Dimethyl phthalate	163	7.735	7.756	-0.021	90	38841	5.00	5.44	
148 2,6-Dinitrotoluene	165	7.777	7.794	-0.017	68	8118	5.00	4.81	
149 Acenaphthylene	152	7.820	7.826	-0.006	79	52442	5.00	5.62	
150 3-Nitroaniline	138	7.911	7.932	-0.021	72	8490	5.00	4.70	
151 Acenaphthene	153	7.964	7.975	-0.011	88	35639	5.00	5.69	
152 2,4-Dinitrophenol	184	7.996	8.023	-0.027	26	2668	10.0	10.2	
153 4-Nitrophenol	109	8.055	8.103	-0.048	76	6947	10.0	9.54	
155 Dibenzofuran	168	8.109	8.119	-0.010	76	51505	5.00	5.95	
154 2,4-Dinitrotoluene	165	8.103	8.130	-0.027	69	10117	5.00	4.64	
158 2,3,4,6-Tetrachlorophenol	232	8.216	8.232	-0.016	1	8136	5.00	4.97	
160 Diethyl phthalate	149	8.317	8.338	-0.021	89	33193	5.00	5.54	
161 Fluorene	166	8.392	8.403	-0.011	75	40348	5.00	5.83	
162 4-Chlorophenyl phenyl ethe	204	8.397	8.408	-0.011	71	21376	5.00	5.86	
164 4-Nitroaniline	138	8.408	8.456	-0.048	58	8122	5.00	4.82	
166 4,6-Dinitro-2-methylphenol	198	8.440	8.467	-0.027	52	5706	10.0	9.73	
167 N-Nitrosodiphenylamine	169	8.499	8.515	-0.016	37	27898	5.00	5.56	
168 1,2-Diphenylhydrazine	77	8.525	8.541	-0.016	93	28093	5.00	5.33	
176 4-Bromophenyl phenyl ether	248	8.798	8.809	-0.011	39	12816	5.00	5.49	
177 Hexachlorobenzene	284	8.841	8.851	-0.010	66	15146	5.00	5.54	
181 Pentachlorophenol	266	9.006	9.022	-0.016	52	10335	10.0	9.79	
16 n-Octadecane	57	9.108	9.113	-0.005	90	24114	10.0	12.0	
185 Phenanthrene	178	9.177	9.188	-0.011	72	57473	5.00	5.90	
188 Anthracene	178	9.215	9.231	-0.016	76	56912	5.00	5.84	
189 Carbazole	167	9.353	9.370	-0.017	66	50428	5.00	5.64	
192 Di-n-butyl phthalate	149	9.663	9.674	-0.011	91	47215	5.00	5.49	
197 Fluoranthene	202	10.149	10.160	-0.011	87	59474	5.00	5.68	
198 Benzidine	184	10.272	10.278	-0.006	78	44185	10.0	13.0	
199 Pyrene	202	10.331	10.342	-0.011	94	63713	5.00	5.47	
205 Butyl benzyl phthalate	149	10.892	10.897	-0.005	71	16787	5.00	4.44	
208 3,3'-Dichlorobenzidine	252	11.335	11.352	-0.017	16	36874	10.0	11.0	
209 Benzo[a]anthracene	228	11.346	11.357	-0.011	71	57658	5.00	5.77	
211 Chrysene	228	11.378	11.394	-0.016	78	55876	5.00	5.57	
210 Bis(2-ethylhexyl) phthalat	149	11.416	11.421	-0.005	79	20212	5.00	4.94	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
212 Di-n-octyl phthalate	149	12.067	12.073	-0.006	25	22680	5.00	4.92	
213 Benzo[b]fluoranthene	252	12.415	12.431	-0.016	70	38083	5.00	4.35	
214 Benzo[k]fluoranthene	252	12.441	12.463	-0.022	68	55888	5.00	5.38	
217 Benzo[a]pyrene	252	12.762	12.778	-0.016	37	34549	5.00	4.45	
219 Indeno[1,2,3-cd]pyrene	276	14.017	14.033	-0.016	63	22730	5.00	5.00	
220 Dibenz(a,h)anthracene	278	14.049	14.065	-0.016	1	25912	5.00	4.31	
221 Benzo[g,h,i]perylene	276	14.311	14.332	-0.021	58	27837	5.00	4.76	
S 78 3-Methylphenol	1				0		5.00	5.72	
S 77 3 & 4 Methylphenol	108				0			5.72	
S 222 Total Cresols	1				0			11.2	

QC Flag Legend

Review Flags
M - Manually Integrated

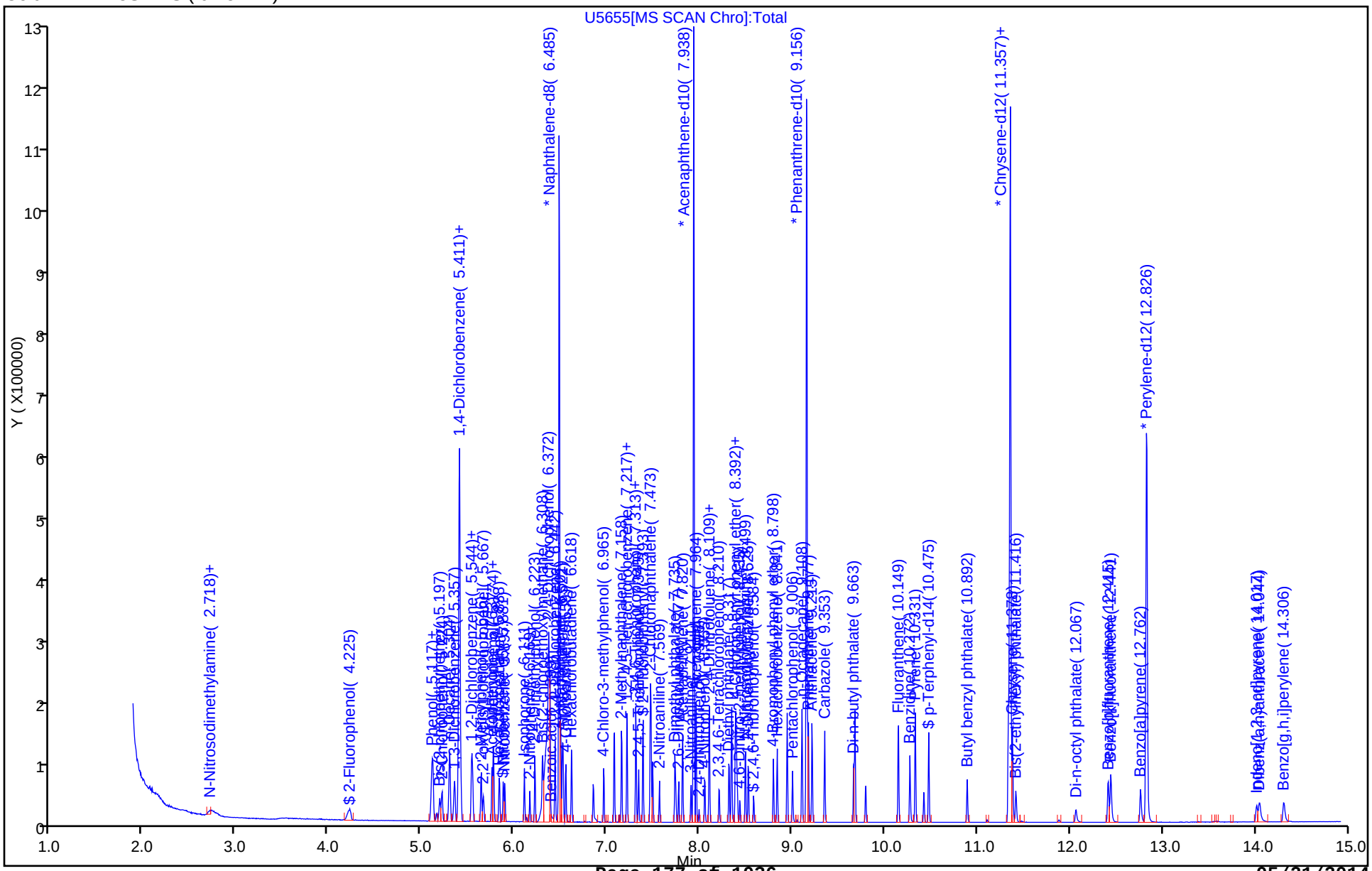
Report Date: 09-May-2014 20:10:39 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5655.D

Injection Date:	09-May-2014 16:39:30	Instrument ID:	HP5973U	Operator ID:	anm
Lims ID:	IC - 5 PT			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	U-625	Limit Group:	MB - 625 ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

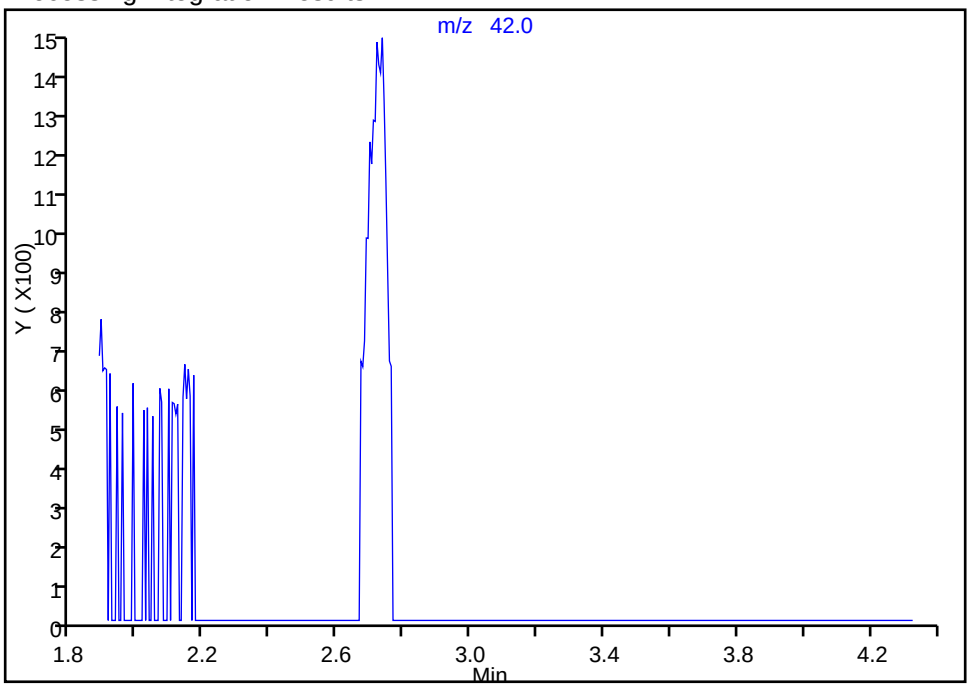
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5655.D
Injection Date: 09-May-2014 16:39:30 Instrument ID: HP5973U
Lims ID: IC - 5 PT
Client ID:
Operator ID: anm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

81 N-Nitrosodimethylamine, CAS: 62-75-9

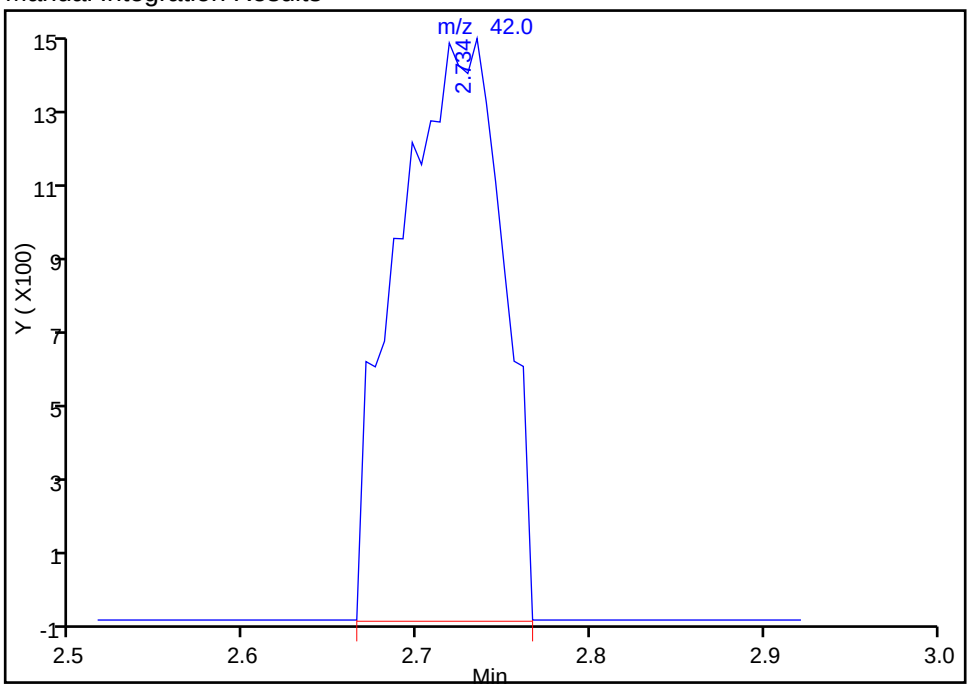
Not Detected
Expected RT: 2.72

Processing Integration Results



Manual Integration Results

RT: 2.73
Response: 6057
Amount: 4.903760



Reviewer: mcgoverna, 09-May-2014 17:22:52
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

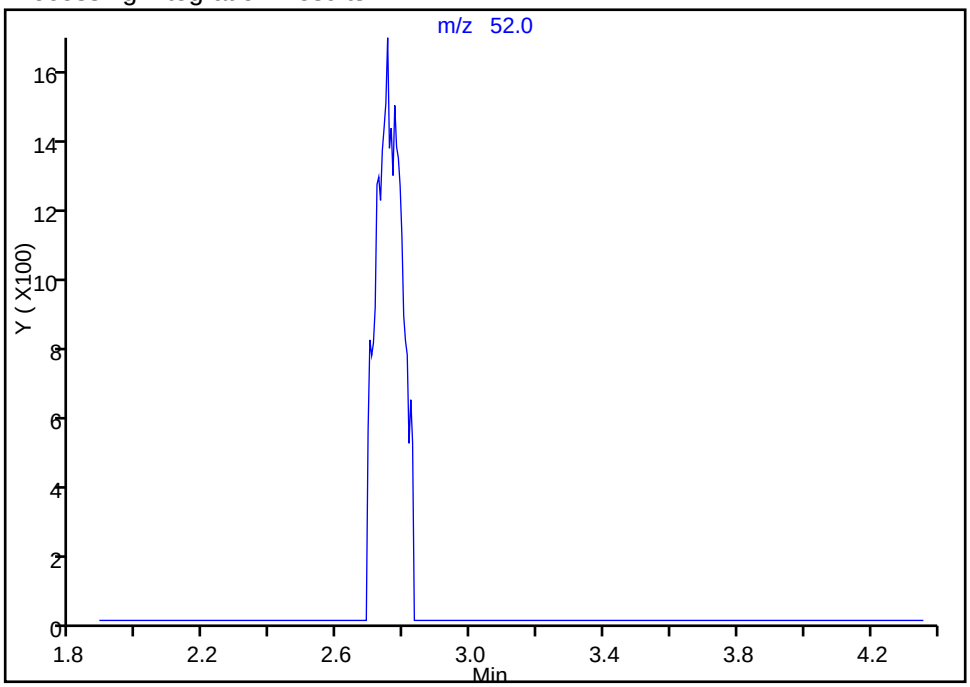
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5655.D
Injection Date: 09-May-2014 16:39:30 Instrument ID: HP5973U
Lims ID: IC - 5 PT
Client ID:
Operator ID: anm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

82 Pyridine, CAS: 110-86-1

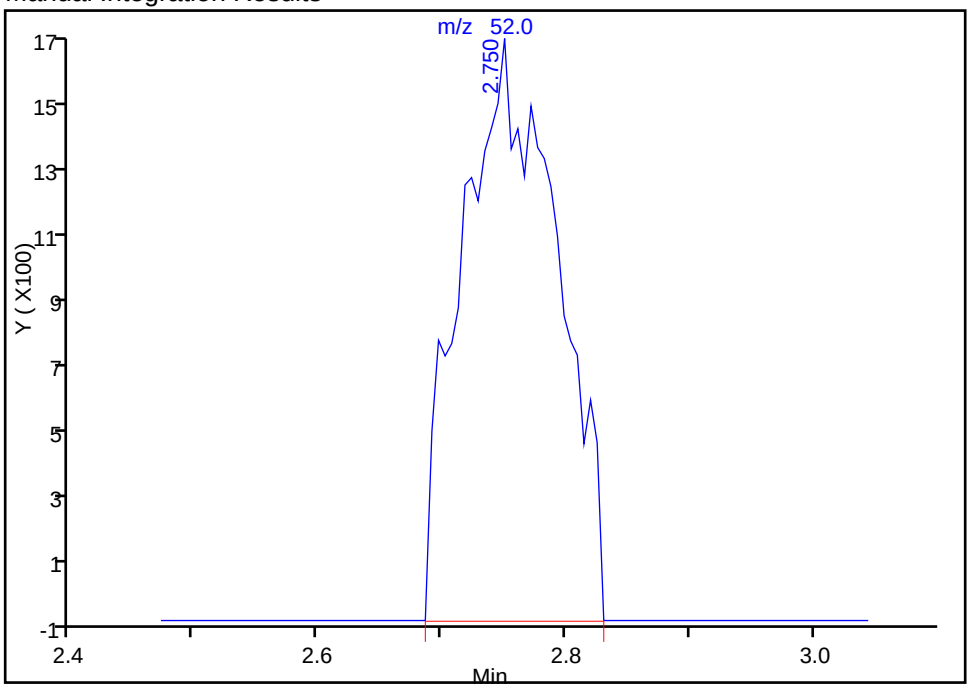
Not Detected
Expected RT: 2.76

Processing Integration Results



Manual Integration Results

RT: 2.75
Response: 8881
Amount: 5.003000



Reviewer: mcgoverna, 09-May-2014 17:22:52
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5656.D
Lims ID: ICIS - 80 PT
Client ID:
Sample Type: ICIS Calib Level: 2
Inject. Date: 09-May-2014 17:02:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0031947-016
Operator ID: anm Instrument ID: HP5973U
Sublist: chrom-U-625*sub43

Method: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U-625.m
Limit Group: MB - 625 ICAL
Last Update: 09-May-2014 20:10:36 Calib Date: 09-May-2014 17:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5657.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: mcgoverna Date: 09-May-2014 20:10:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.416	5.416	0.000	91	142559	40.0	40.0	
* 2 Naphthalene-d8	136	6.490	6.490	0.000	97	504528	40.0	40.0	
* 3 Acenaphthene-d10	164	7.943	7.943	0.000	76	295423	40.0	40.0	
* 4 Phenanthrene-d10	188	9.167	9.167	0.000	92	514096	40.0	40.0	
* 5 Chrysene-d12	240	11.368	11.368	0.000	79	539824	40.0	40.0	
* 6 Perylene-d12	264	12.837	12.837	0.000	83	395646	40.0	40.0	
$ 9 2-Fluorophenol	112	4.230	4.230	0.000	84	331582	80.0	80.3	
$ 10 Phenol-d5	99	5.122	5.122	0.000	70	369990	80.0	79.5	
$ 11 Nitrobenzene-d5	82	5.897	5.897	0.000	84	310640	80.0	81.2	
$ 12 2-Fluorobiphenyl	172	7.398	7.398	0.000	98	741888	80.0	78.2	
$ 13 2,4,6-Tribromophenol	330	8.600	8.600	0.000	86	158327	80.0	86.0	
$ 14 p-Terphenyl-d14	244	10.486	10.486	0.000	97	831891	80.0	82.5	
81 N-Nitrosodimethylamine	42	2.724	2.724	0.000	84	124711	80.0	83.0	
82 Pyridine	52	2.756	2.756	0.000	0	164441	80.0	79.9	M
90 Aniline	93	5.133	5.133	0.000	70	411631	80.0	77.0	
89 Phenol	94	5.133	5.133	0.000	90	372169	80.0	78.7	
91 Bis(2-chloroethyl)ether	93	5.208	5.208	0.000	99	262058	80.0	79.3	
93 2-Chlorophenol	128	5.229	5.229	0.000	91	336797	80.0	80.3	
20 n-Decane	57	5.309	5.309	0.000	84	445814	160.0	158.3	
94 1,3-Dichlorobenzene	146	5.363	5.363	0.000	89	392475	80.0	79.8	
95 1,4-Dichlorobenzene	146	5.427	5.427	0.000	89	387959	80.0	79.5	
96 Benzyl alcohol	108	5.555	5.555	0.000	91	189708	80.0	80.6	
97 1,2-Dichlorobenzene	146	5.555	5.555	0.000	88	355935	80.0	78.7	
98 2-Methylphenol	108	5.657	5.657	0.000	95	268200	80.0	79.0	
99 2,2'-oxybis[1-chloropropan	45	5.673	5.673	0.000	88	248612	80.0	80.5	
104 Acetophenone	105	5.774	5.774	0.000	95	389503	80.0	80.0	
101 N-Nitrosodi-n-propylamine	70	5.796	5.796	0.000	56	170606	80.0	79.3	
102 4-Methylphenol	108	5.796	5.796	0.000	94	264323	80.0	79.1	
106 Hexachloroethane	117	5.844	5.844	0.000	89	132398	80.0	84.5	
107 Nitrobenzene	77	5.913	5.913	0.000	80	280470	80.0	80.9	
110 Isophorone	82	6.127	6.127	0.000	95	469155	80.0	87.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
111 2-Nitrophenol	139	6.175	6.175	0.000	86	180320	80.0	86.4	
112 2,4-Dimethylphenol	107	6.234	6.234	0.000	94	262387	80.0	77.4	
115 Bis(2-chloroethoxy)methane	93	6.314	6.314	0.000	96	293531	80.0	79.6	
117 2,4-Dichlorophenol	162	6.383	6.383	0.000	86	288588	80.0	79.4	
119 Benzoic acid	105	6.426	6.426	0.000	84	460116	160.0	170.6	
120 1,2,4-Trichlorobenzene	180	6.447	6.447	0.000	86	327118	80.0	79.2	
121 Naphthalene	128	6.511	6.511	0.000	95	835383	80.0	78.2	
122 Alpha-Terpineol	59	6.538	6.538	0.000	82	164287	80.0	79.4	
123 4-Chloroaniline	127	6.570	6.570	0.000	85	381489	80.0	79.2	
126 Hexachlorobutadiene	225	6.624	6.624	0.000	86	200067	80.0	80.8	
131 4-Chloro-3-methylphenol	107	6.987	6.987	0.000	86	243025	80.0	82.2	
133 2-Methylnaphthalene	142	7.169	7.169	0.000	84	558632	80.0	79.6	
136 Hexachlorocyclopentadiene	237	7.222	7.222	0.000	79	159957	80.0	84.6	
138 1,2,4,5-Tetrachlorobenzene	216	7.227	7.227	0.000	87	326820	80.0	77.8	
223 2,3-Dichlorobenzenamine	161	7.318	7.318	0.000	95	315052	80.0	79.5	
139 2,4,6-Trichlorophenol	196	7.329	7.329	0.000	83	203770	80.0	80.9	
140 2,4,5-Trichlorophenol	196	7.361	7.361	0.000	94	241316	80.0	81.5	M
143 2-Chloronaphthalene	162	7.489	7.489	0.000	95	561249	80.0	78.1	
145 2-Nitroaniline	65	7.585	7.585	0.000	88	138295	80.0	83.2	
147 Dimethyl phthalate	163	7.756	7.756	0.000	97	652279	80.0	77.8	
148 2,6-Dinitrotoluene	165	7.794	7.794	0.000	86	165238	80.0	83.4	
149 Acenaphthylene	152	7.826	7.826	0.000	82	867974	80.0	79.2	
150 3-Nitroaniline	138	7.932	7.932	0.000	91	178776	80.0	84.3	
151 Acenaphthene	153	7.975	7.975	0.000	94	581484	80.0	79.1	
152 2,4-Dinitrophenol	184	8.023	8.023	0.000	81	187046	160.0	153.2	
153 4-Nitrophenol	109	8.103	8.103	0.000	79	169075	160.0	174.1	
155 Dibenzofuran	168	8.119	8.119	0.000	79	811469	80.0	79.8	
154 2,4-Dinitrotoluene	165	8.130	8.130	0.000	80	215894	80.0	84.3	
158 2,3,4,6-Tetrachlorophenol	232	8.232	8.232	0.000	64	196151	80.0	81.0	
160 Diethyl phthalate	149	8.338	8.338	0.000	97	583653	80.0	82.9	
161 Fluorene	166	8.403	8.403	0.000	80	645523	80.0	79.4	
162 4-Chlorophenyl phenyl ethe	204	8.408	8.408	0.000	85	340904	80.0	79.6	
164 4-Nitroaniline	138	8.456	8.456	0.000	91	165387	80.0	83.6	
166 4,6-Dinitro-2-methylphenol	198	8.467	8.467	0.000	93	277741	160.0	168.2	
167 N-Nitrosodiphenylamine	169	8.515	8.515	0.000	56	507683	80.0	80.8	
168 1,2-Diphenylhydrazine	77	8.541	8.541	0.000	94	499909	80.0	80.7	
176 4-Bromophenyl phenyl ether	248	8.809	8.809	0.000	49	238066	80.0	81.4	
177 Hexachlorobenzene	284	8.851	8.851	0.000	85	275895	80.0	80.6	
181 Pentachlorophenol	266	9.022	9.022	0.000	82	315384	160.0	166.6	
16 n-Octadecane	57	9.113	9.113	0.000	95	397771	160.0	158.0	
185 Phenanthrene	178	9.188	9.188	0.000	86	960711	80.0	78.8	
188 Anthracene	178	9.231	9.231	0.000	86	974930	80.0	79.9	
189 Carbazole	167	9.370	9.370	0.000	82	889936	80.0	79.5	
192 Di-n-butyl phthalate	149	9.674	9.674	0.000	99	892487	80.0	82.8	
197 Fluoranthene	202	10.160	10.160	0.000	97	1069753	80.0	81.6	
198 Benzidine	184	10.278	10.278	0.000	87	489228	160.0	119.2	
199 Pyrene	202	10.342	10.342	0.000	95	1102323	80.0	78.6	
205 Butyl benzyl phthalate	149	10.897	10.897	0.000	92	391835	80.0	86.0	
208 3,3'-Dichlorobenzidine	252	11.352	11.352	0.000	65	667004	160.0	164.7	
209 Benzo[a]anthracene	228	11.357	11.357	0.000	87	958175	80.0	79.6	
211 Chrysene	228	11.394	11.394	0.000	83	979722	80.0	81.1	
210 Bis(2-ethylhexyl) phthalat	149	11.421	11.421	0.000	91	512582	80.0	81.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
212 Di-n-octyl phthalate	149	12.073	12.073	0.000	98	763744	80.0	82.4	
213 Benzo[b]fluoranthene	252	12.431	12.431	0.000	80	842397	80.0	84.2	
214 Benzo[k]fluoranthene	252	12.463	12.463	0.000	84	998049	80.0	83.9	
217 Benzo[a]pyrene	252	12.778	12.778	0.000	72	784429	80.0	88.3	
219 Indeno[1,2,3-cd]pyrene	276	14.033	14.033	0.000	80	558456	80.0	80.0	
220 Dibenz(a,h)anthracene	278	14.065	14.065	0.000	43	602549	80.0	87.6	
221 Benzo[g,h,i]perylene	276	14.332	14.332	0.000	78	558549	80.0	83.4	
S 78 3-Methylphenol	1				0		80.0	79.1	
S 77 3 & 4 Methylphenol	108				0			79.1	
S 222 Total Cresols	1				0			158.1	

QC Flag Legend

Review Flags
M - Manually Integrated

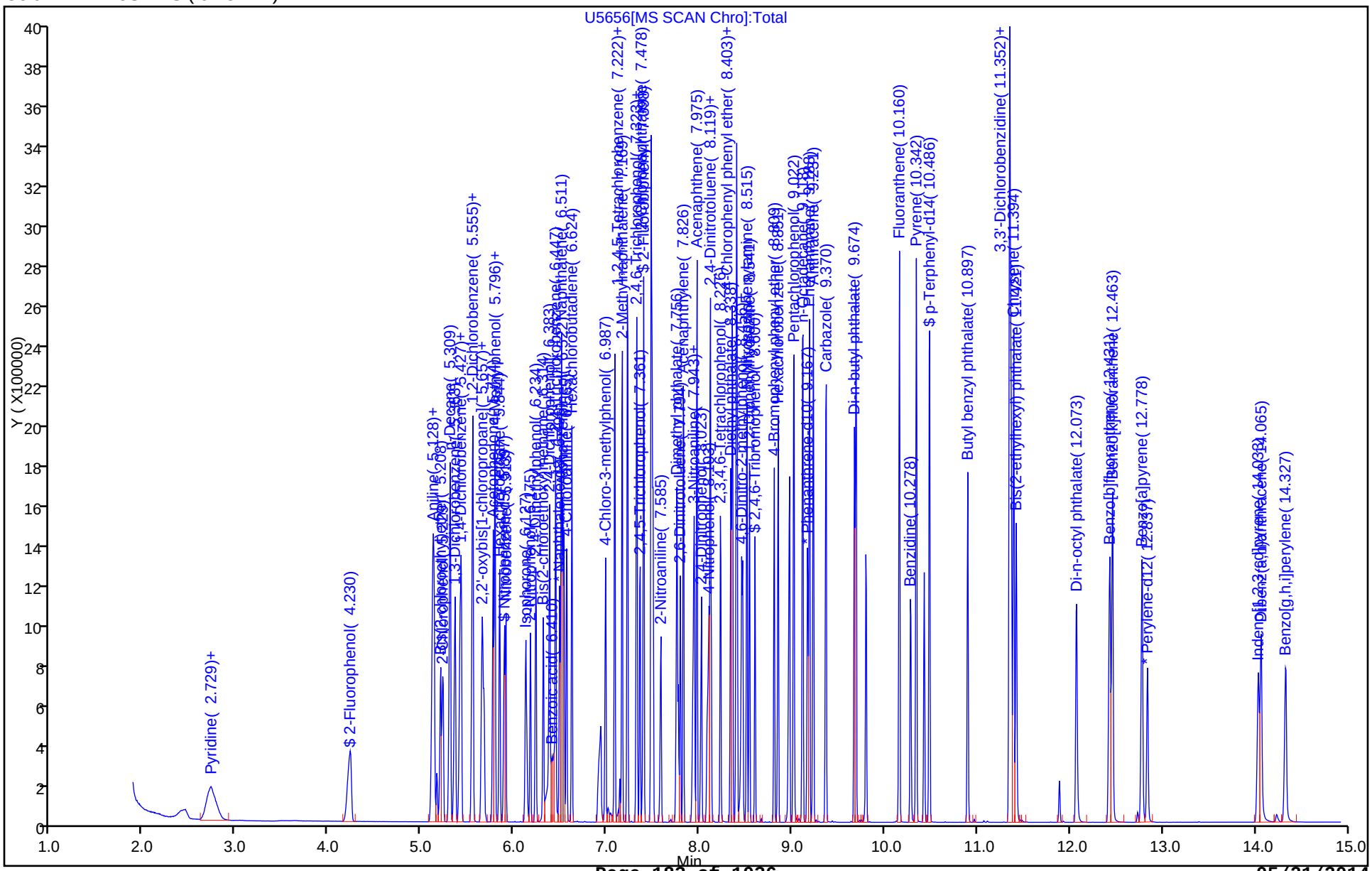
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5656.D

Injection Date:	09-May-2014 17:02:30	Instrument ID:	HP5973U	Operator ID:	anm
Lims ID:	ICIS - 80 PT			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	U-625	Limit Group:	MB - 625 ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

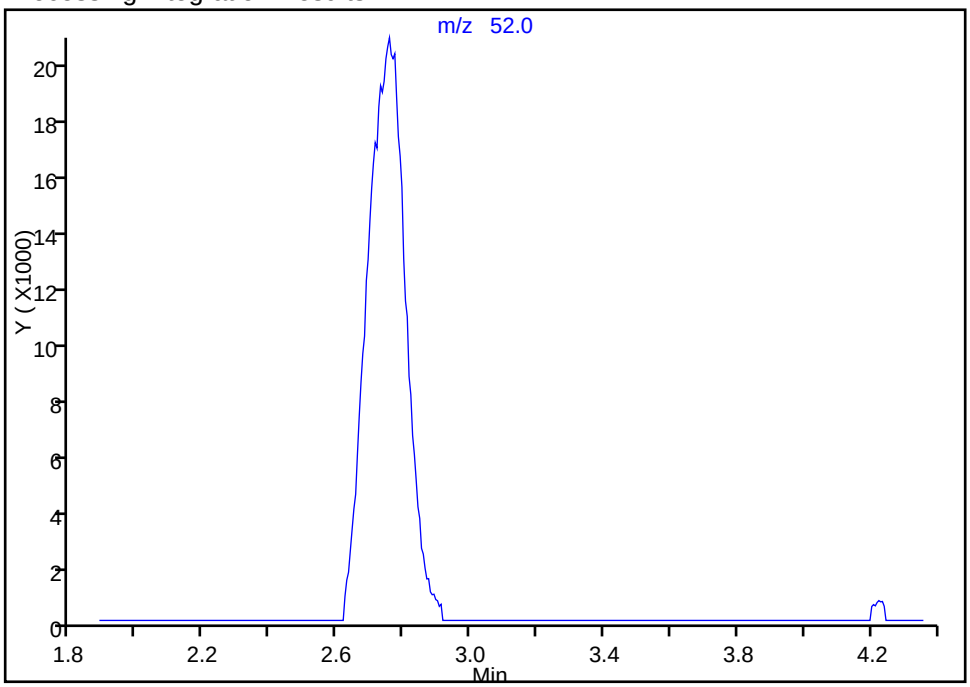
TestAmerica Buffalo

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Injection Date:	09-May-2014 17:02:30	Instrument ID:	HP5973U		
Lims ID:	ICIS - 80 PT				
Client ID:					
Operator ID:	anm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	U-625	Limit Group:	MB - 625 ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

82 Pyridine, CAS: 110-86-1

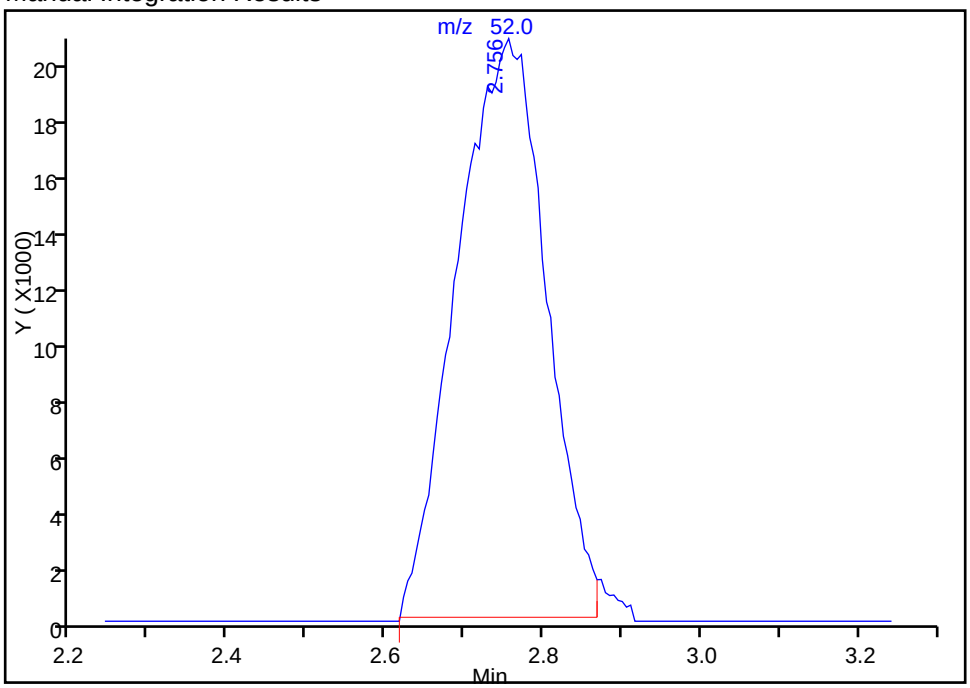
Processing Integration Results

Not Detected
Expected RT: 2.76



Manual Integration Results

RT: 2.76
Response: 164441
Amount: 79.907011



Reviewer: mcgoverna, 09-May-2014 17:21:54
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

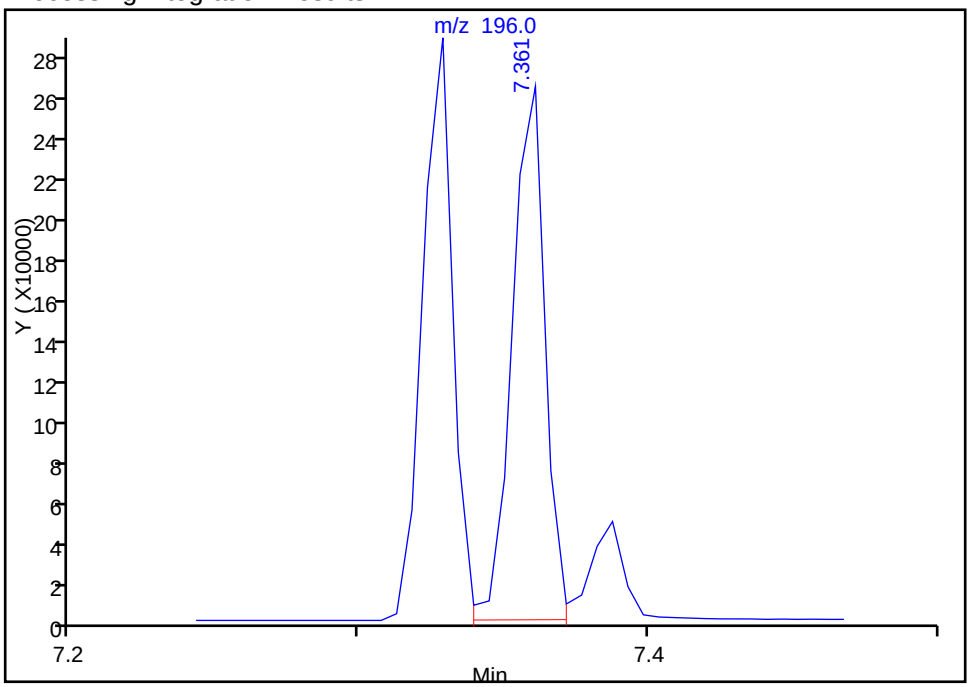
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5656.D				
Injection Date:	09-May-2014 17:02:30	Instrument ID:	HP5973U		
Lims ID:	ICIS - 80 PT				
Client ID:					
Operator ID:	anm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	U-625	Limit Group:	MB - 625 ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

140 2,4,5-Trichlorophenol, CAS: 95-95-4

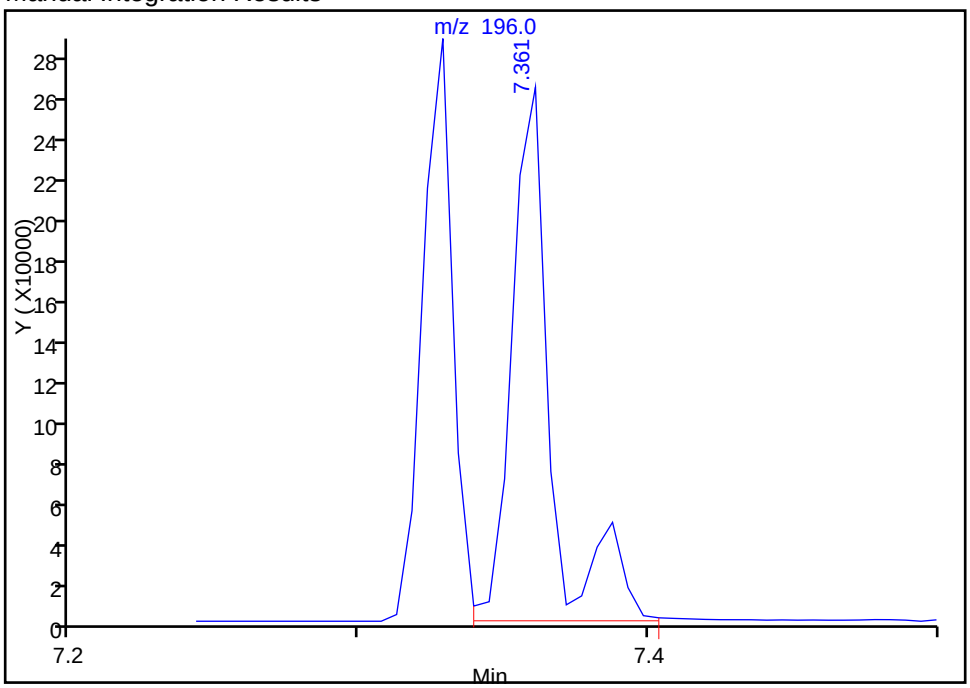
Processing Integration Results

RT: 7.36
Response: 204300
Amount: 73.342343



Manual Integration Results

RT: 7.36
Response: 241316
Amount: 81.521683



Reviewer: mcgoverna, 09-May-2014 17:21:54
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5657.D
Lims ID: IC - 160 PT
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 09-May-2014 17:26:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0031947-017
Operator ID: anm Instrument ID: HP5973U
Sublist: chrom-U-625*sub43

Method: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U-625.m
Limit Group: MB - 625 ICAL
Last Update: 09-May-2014 20:10:34 Calib Date: 09-May-2014 17:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5657.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: mcgoverna Date: 09-May-2014 20:10:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.416	5.416	0.000	92	133163	40.0	40.0	
* 2 Naphthalene-d8	136	6.496	6.490	0.006	96	469959	40.0	40.0	
* 3 Acenaphthene-d10	164	7.949	7.943	0.006	78	259071	40.0	40.0	
* 4 Phenanthrene-d10	188	9.172	9.166	0.006	76	478479	40.0	40.0	
* 5 Chrysene-d12	240	11.373	11.367	0.006	78	447260	40.0	40.0	
* 6 Perylene-d12	264	12.842	12.837	0.005	80	329221	40.0	40.0	
$ 9 2-Fluorophenol	112	4.236	4.230	0.006	85	592409	160.0	153.6	
$ 10 Phenol-d5	99	5.133	5.122	0.011	68	632327	160.0	145.5	
$ 11 Nitrobenzene-d5	82	5.903	5.897	0.006	85	533427	160.0	149.7	
$ 12 2-Fluorobiphenyl	172	7.404	7.398	0.006	98	1147654	160.0	137.9	
$ 13 2,4,6-Tribromophenol	330	8.611	8.600	0.011	85	264903	160.0	154.2	
$ 14 p-Terphenyl-d14	244	10.486	10.481	0.005	94	1312235	160.0	157.6	
81 N-Nitrosodimethylamine	42	2.719	2.718	0.001	1	221088	160.0	157.1	M
82 Pyridine	52	2.751	2.750	0.001	0	308110	160.0	160.1	M
90 Aniline	93	5.144	5.133	0.011	84	740442	160.0	148.3	
89 Phenol	94	5.144	5.138	0.006	92	637569	160.0	144.3	
91 Bis(2-chloroethyl)ether	93	5.213	5.208	0.005	95	449631	160.0	145.7	
93 2-Chlorophenol	128	5.240	5.229	0.011	92	586607	160.0	149.8	
20 n-Decane	57	5.315	5.309	0.006	84	747157	320.0	284.0	
94 1,3-Dichlorobenzene	146	5.368	5.363	0.005	89	678640	160.0	147.8	
95 1,4-Dichlorobenzene	146	5.432	5.427	0.005	89	663151	160.0	145.5	
96 Benzyl alcohol	108	5.566	5.550	0.016	92	323069	160.0	146.9	
97 1,2-Dichlorobenzene	146	5.555	5.555	0.000	89	591974	160.0	140.2	
98 2-Methylphenol	108	5.662	5.657	0.005	96	465465	160.0	146.9	
99 2,2'-oxybis[1-chloropropan	45	5.678	5.673	0.005	86	432640	160.0	150.0	
104 Acetophenone	105	5.785	5.774	0.011	97	656244	160.0	144.4	
101 N-Nitrosodi-n-propylamine	70	5.801	5.790	0.011	56	294019	160.0	146.2	
102 4-Methylphenol	108	5.806	5.796	0.010	95	433332	160.0	138.8	
106 Hexachloroethane	117	5.844	5.844	0.000	89	226894	160.0	155.6	
107 Nitrobenzene	77	5.919	5.913	0.006	81	473207	160.0	146.5	
110 Isophorone	82	6.138	6.127	0.011	94	621428	160.0	124.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
111 2-Nitrophenol	139	6.180	6.175	0.005	82	317794	160.0	163.4	
112 2,4-Dimethylphenol	107	6.244	6.234	0.010	94	477335	160.0	151.1	
115 Bis(2-chloroethoxy)methane	93	6.325	6.314	0.011	96	498730	160.0	145.2	
117 2,4-Dichlorophenol	162	6.394	6.383	0.011	86	489102	160.0	144.5	
119 Benzoic acid	105	6.485	6.426	0.059	86	830344	320.0	330.5	
120 1,2,4-Trichlorobenzene	180	6.453	6.447	0.006	87	530423	160.0	137.9	
121 Naphthalene	128	6.517	6.511	0.006	91	1308246	160.0	131.5	
122 Alpha-Terpineol	59	6.544	6.538	0.006	79	281259	160.0	145.8	
123 4-Chloroaniline	127	6.576	6.565	0.011	85	650032	160.0	144.8	
126 Hexachlorobutadiene	225	6.629	6.624	0.005	86	325452	160.0	141.1	
131 4-Chloro-3-methylphenol	107	6.998	6.987	0.011	79	410454	160.0	149.0	
133 2-Methylnaphthalene	142	7.174	7.168	0.006	83	879565	160.0	134.6	
136 Hexachlorocyclopentadiene	237	7.222	7.222	0.000	90	259908	160.0	155.6	
138 1,2,4,5-Tetrachlorobenzene	216	7.233	7.227	0.006	86	506041	160.0	137.3	
223 2,3-Dichlorobenzenamine	161	7.324	7.318	0.006	95	518135	160.0	140.4	
139 2,4,6-Trichlorophenol	196	7.334	7.329	0.005	84	340465	160.0	154.2	
140 2,4,5-Trichlorophenol	196	7.372	7.361	0.011	94	399412	160.0	153.9	M
143 2-Chloronaphthalene	162	7.495	7.489	0.006	98	802791	160.0	127.5	
145 2-Nitroaniline	65	7.591	7.585	0.006	88	237431	160.0	162.9	
147 Dimethyl phthalate	163	7.772	7.756	0.016	96	1106140	160.0	150.4	
148 2,6-Dinitrotoluene	165	7.804	7.794	0.010	85	277035	160.0	159.4	
149 Acenaphthylene	152	7.836	7.826	0.010	82	1361769	160.0	141.7	
150 3-Nitroaniline	138	7.954	7.932	0.022	88	299909	160.0	161.2	M
151 Acenaphthene	153	7.981	7.975	0.006	90	901550	160.0	139.8	
152 2,4-Dinitrophenol	184	8.039	8.023	0.016	81	359440	320.0	326.5	
153 4-Nitrophenol	109	8.125	8.103	0.022	55	261580	320.0	306.3	M
155 Dibenzofuran	168	8.125	8.119	0.006	83	1159014	160.0	130.0	
154 2,4-Dinitrotoluene	165	8.141	8.130	0.011	80	366276	160.0	163.1	
158 2,3,4,6-Tetrachlorophenol	232	8.237	8.226	0.011	62	339876	160.0	159.0	
160 Diethyl phthalate	149	8.349	8.338	0.011	97	845621	160.0	137.0	
161 Fluorene	166	8.408	8.397	0.011	78	960370	160.0	134.7	
162 4-Chlorophenyl phenyl ethe	204	8.413	8.408	0.005	81	499719	160.0	133.1	
164 4-Nitroaniline	138	8.478	8.456	0.022	90	275508	160.0	158.7	
166 4,6-Dinitro-2-methylphenol	198	8.483	8.467	0.016	94	487065	320.0	312.0	
167 N-Nitrosodiphenylamine	169	8.520	8.515	0.005	46	820767	160.0	140.4	
168 1,2-Diphenylhydrazine	77	8.547	8.541	0.006	93	804601	160.0	148.1	
176 4-Bromophenyl phenyl ether	248	8.814	8.809	0.005	50	385404	160.0	141.6	
177 Hexachlorobenzene	284	8.857	8.851	0.006	84	451271	160.0	141.6	
181 Pentachlorophenol	266	9.028	9.022	0.006	83	557319	320.0	313.6	
16 n-Octadecane	57	9.119	9.113	0.006	96	609851	320.0	260.3	
185 Phenanthrene	178	9.199	9.188	0.011	85	1514075	160.0	133.5	
188 Anthracene	178	9.241	9.231	0.010	82	1515028	160.0	133.4	
189 Carbazole	167	9.375	9.369	0.006	82	1464180	160.0	140.5	
192 Di-n-butyl phthalate	149	9.680	9.674	0.006	99	1391341	160.0	138.8	
197 Fluoranthene	202	10.166	10.160	0.006	97	1646522	160.0	135.0	
198 Benzidine	184	10.289	10.278	0.011	87	1044311	320.0	307.0	
199 Pyrene	202	10.347	10.342	0.005	94	1718361	160.0	147.8	
205 Butyl benzyl phthalate	149	10.903	10.897	0.006	92	626194	160.0	165.9	
208 3,3'-Dichlorobenzidine	252	11.357	11.351	0.006	67	937970	320.0	279.6	
209 Benzo[a]anthracene	228	11.368	11.357	0.011	88	1359802	160.0	136.3	
211 Chrysene	228	11.400	11.394	0.006	84	1397794	160.0	139.6	
210 Bis(2-ethylhexyl) phthalat	149	11.421	11.421	0.000	91	828403	160.0	158.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
212 Di-n-octyl phthalate	149	12.073	12.067	0.006	98	1224742	160.0	157.6	
213 Benzo[b]fluoranthene	252	12.441	12.431	0.010	82	1435676	160.0	172.4	
214 Benzo[k]fluoranthene	252	12.468	12.457	0.011	85	1388052	160.0	140.2	
217 Benzo[a]pyrene	252	12.789	12.778	0.011	72	1191438	160.0	161.1	
219 Indeno[1,2,3-cd]pyrene	276	14.044	14.033	0.011	79	936815	160.0	160.0	M
220 Dibenz(a,h)anthracene	278	14.071	14.065	0.006	44	956111	160.0	167.0	
221 Benzo[g,h,i]perylene	276	14.338	14.327	0.011	78	896641	160.0	160.9	
S 78 3-Methylphenol	1				0		160.0	138.8	
S 77 3 & 4 Methylphenol	108				0			138.8	
S 222 Total Cresols	1				0			285.7	

QC Flag Legend

Review Flags
M - Manually Integrated

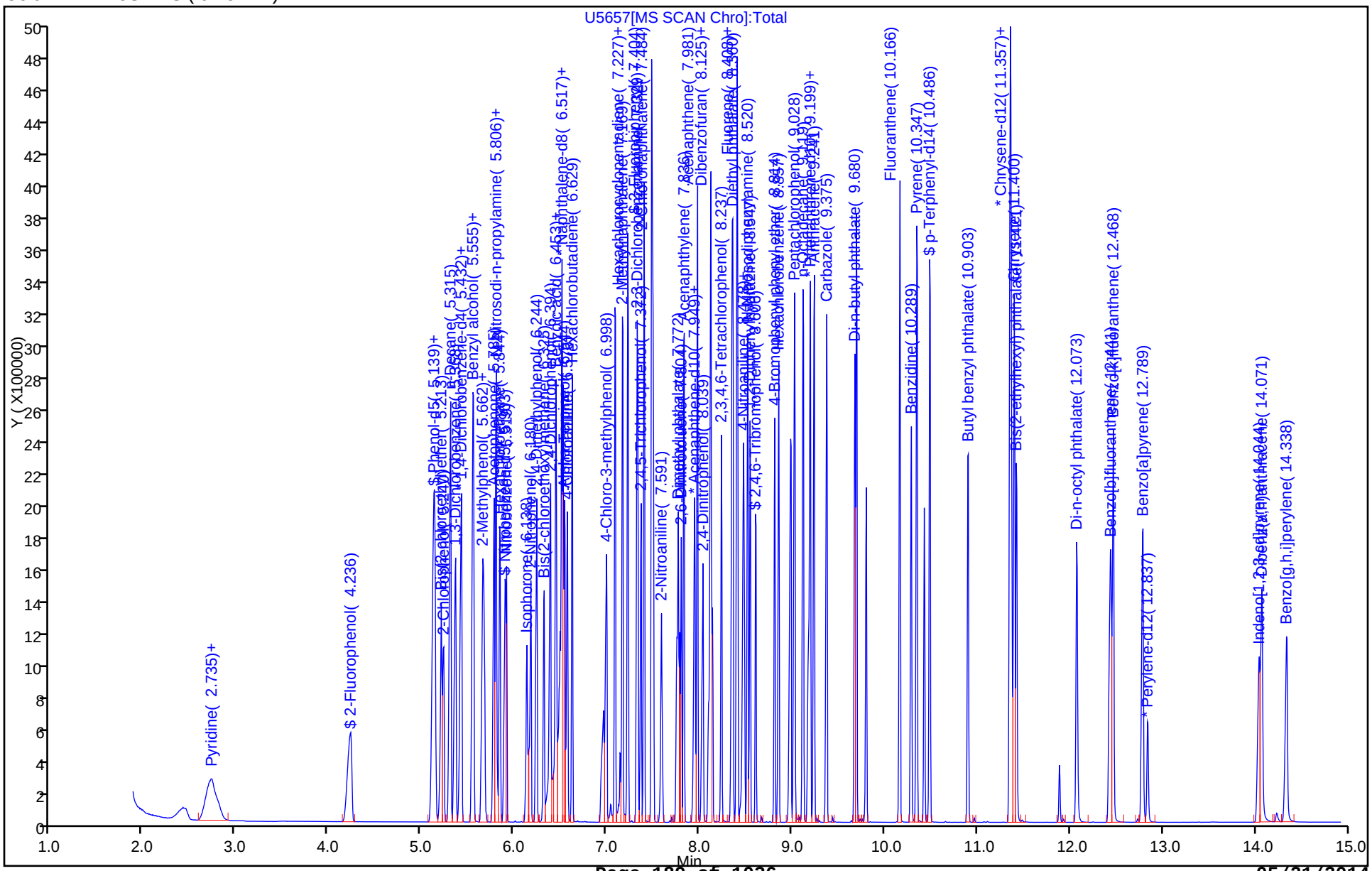
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5657.D

Injection Date:	09-May-2014 17:26:30	Instrument ID:	HP5973U	Operator ID:	anm
Lims ID:	IC - 160 PT			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	U-625	Limit Group:	MB - 625 ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

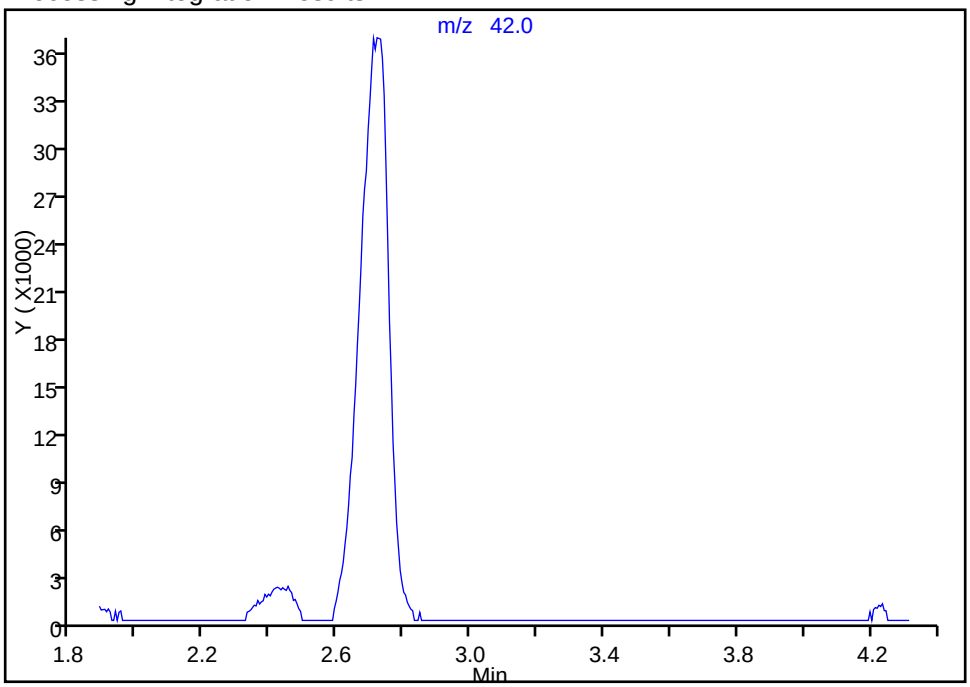
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5657.D
Injection Date: 09-May-2014 17:26:30 Instrument ID: HP5973U
Lims ID: IC - 160 PT
Client ID:
Operator ID: anm ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

81 N-Nitrosodimethylamine, CAS: 62-75-9

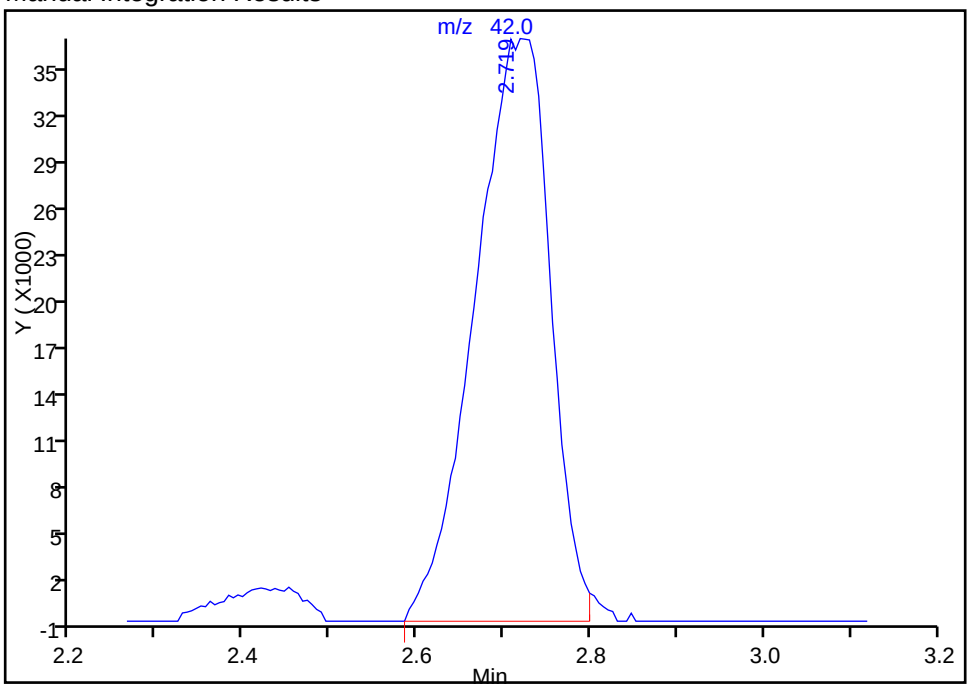
Not Detected
Expected RT: 2.72

Processing Integration Results



Manual Integration Results

RT: 2.72
Response: 221088
Amount: 157.1128



Reviewer: mcgoverna, 09-May-2014 17:48:46
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

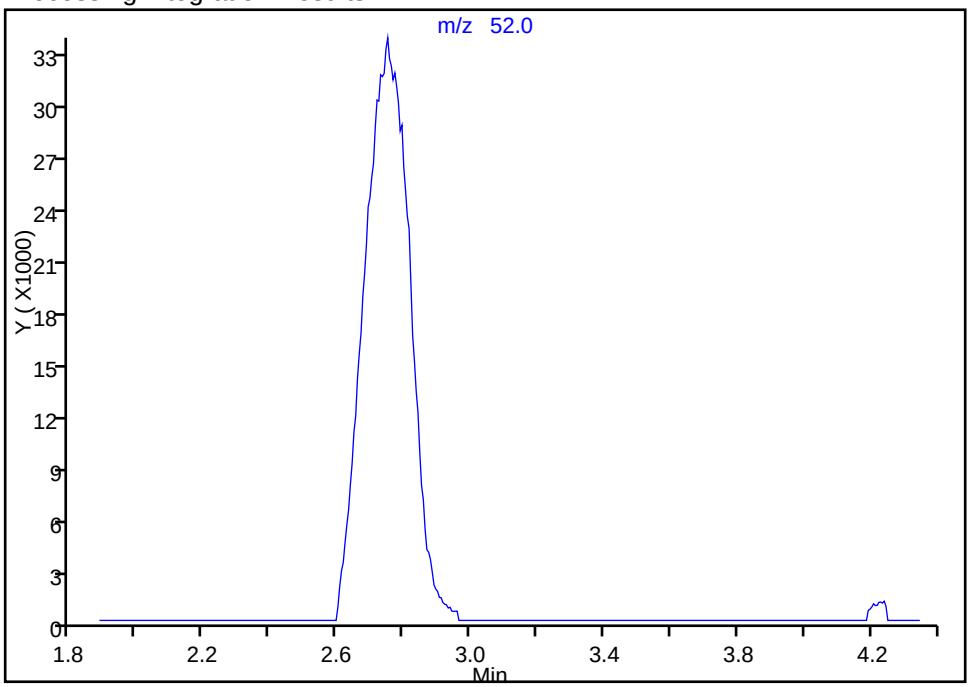
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5657.D				
Injection Date:	09-May-2014 17:26:30	Instrument ID:	HP5973U		
Lims ID:	IC - 160 PT				
Client ID:					
Operator ID:	anm	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	U-625	Limit Group:	MB - 625 ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

82 Pyridine, CAS: 110-86-1

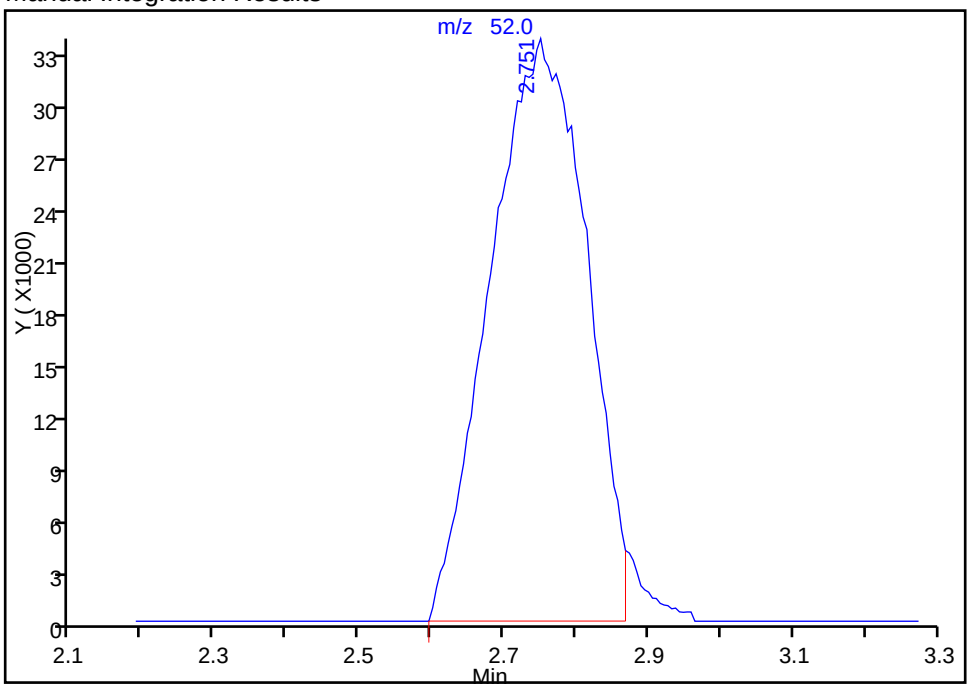
Not Detected
Expected RT: 2.75

Processing Integration Results



Manual Integration Results

RT: 2.75
Response: 308110
Amount: 160.0900



Reviewer: mcgoverna, 09-May-2014 17:48:46
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

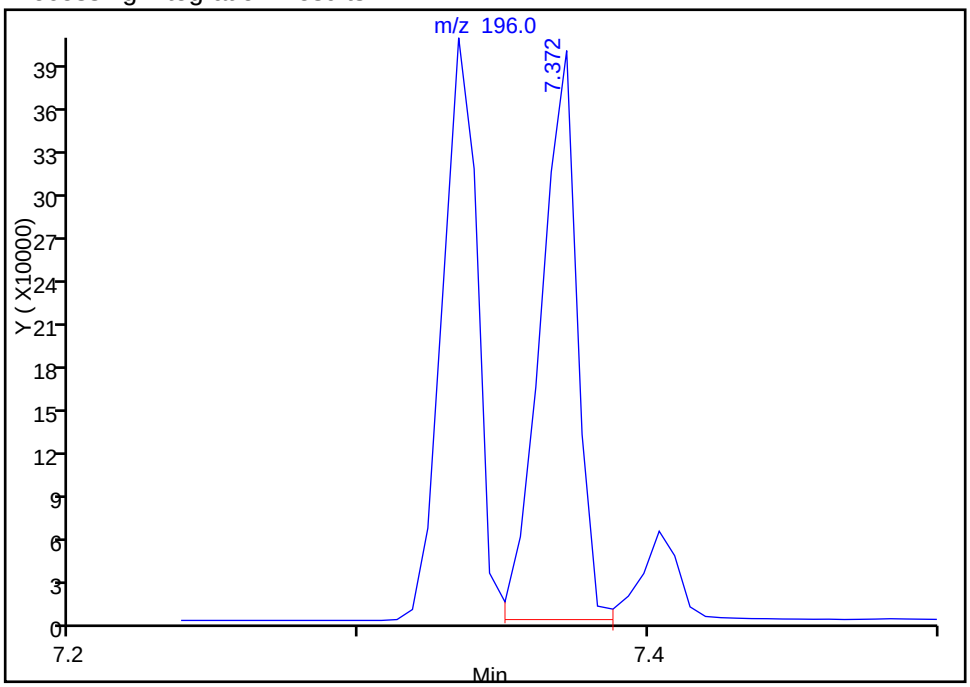
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5657.D
Injection Date: 09-May-2014 17:26:30 Instrument ID: HP5973U
Lims ID: IC - 160 PT
Client ID:
Operator ID: anm ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

140 2,4,5-Trichlorophenol, CAS: 95-95-4

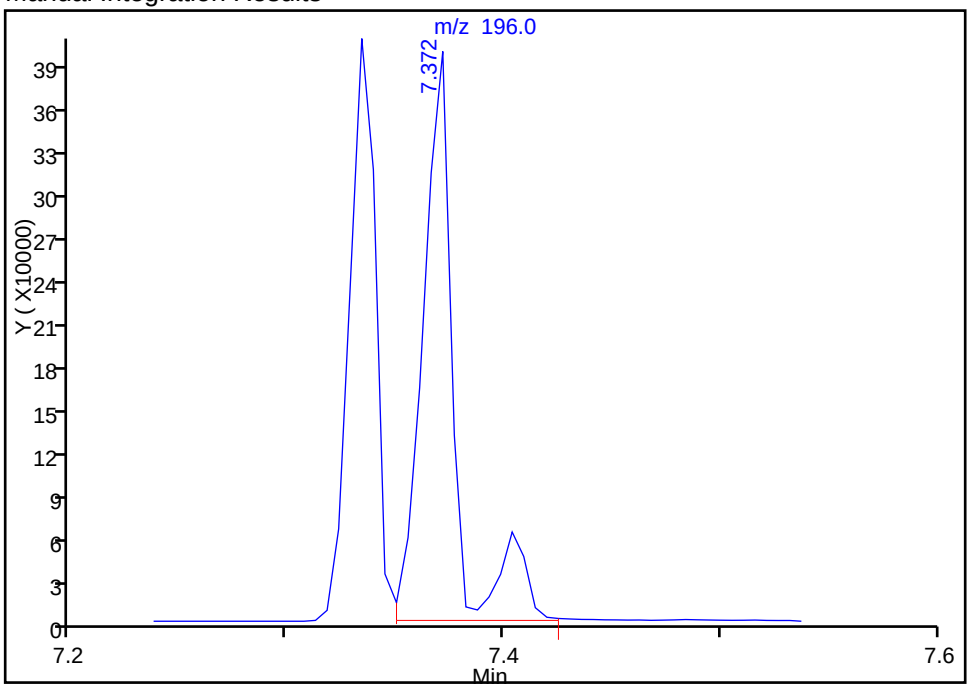
Processing Integration Results

RT: 7.37
Response: 346281
Amount: 139.3369



Manual Integration Results

RT: 7.37
Response: 399412
Amount: 153.8628



Reviewer: mcgoverna, 09-May-2014 17:48:46
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

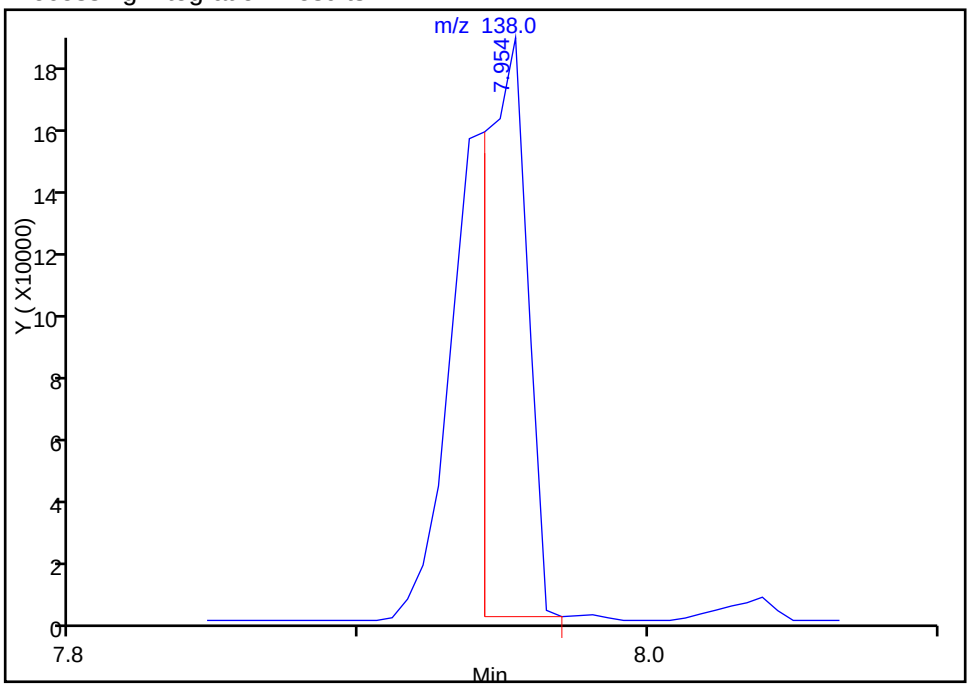
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5657.D
Injection Date: 09-May-2014 17:26:30 Instrument ID: HP5973U
Lims ID: IC - 160 PT
Client ID:
Operator ID: anm ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

150 3-Nitroaniline, CAS: 99-09-2

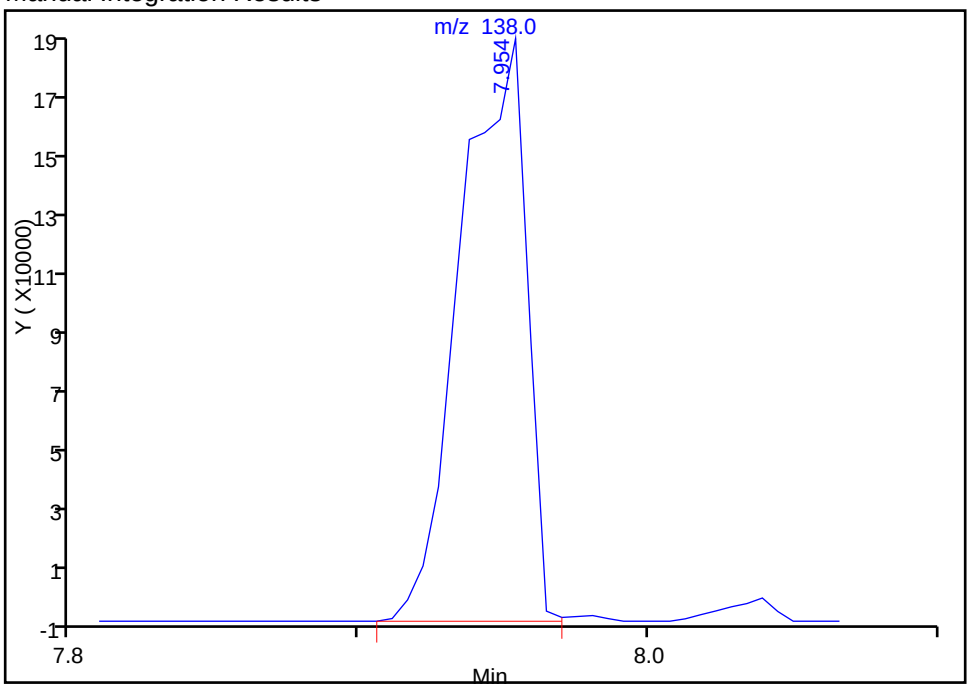
Processing Integration Results

RT: 7.95
Response: 192503
Amount: 117.5917



Manual Integration Results

RT: 7.95
Response: 299909
Amount: 161.1714



Reviewer: mcgoverna, 09-May-2014 17:48:46
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

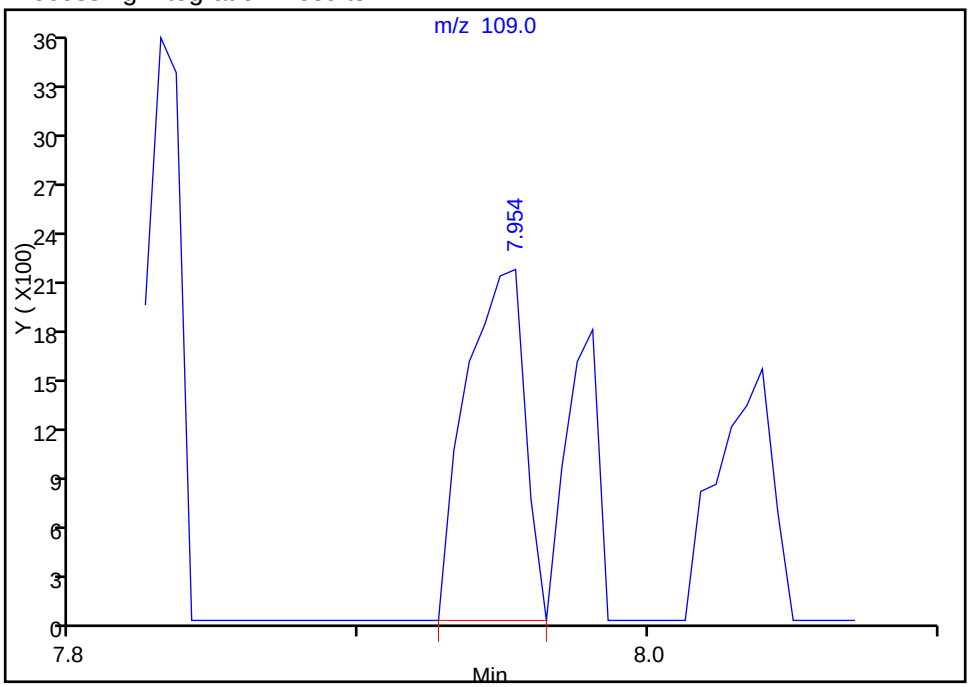
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5657.D
Injection Date: 09-May-2014 17:26:30 Instrument ID: HP5973U
Lims ID: IC - 160 PT
Client ID:
Operator ID: anm ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

153 4-Nitrophenol, CAS: 100-02-7

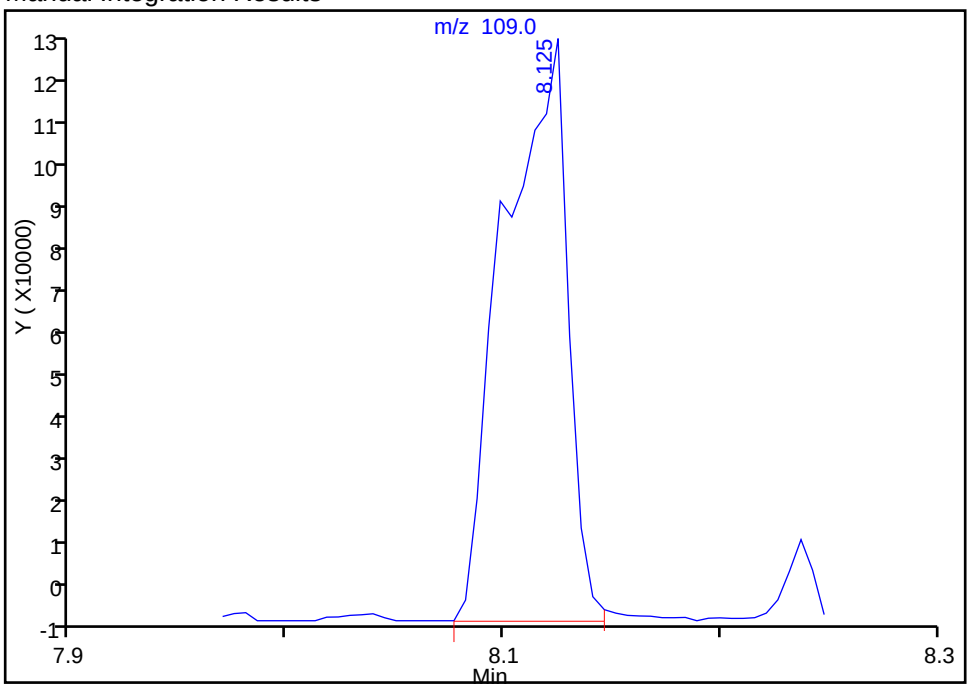
Processing Integration Results

RT: 7.95
Response: 3018
Amount: -16.102539



Manual Integration Results

RT: 8.12
Response: 261580
Amount: 306.3112



Reviewer: mcgoverna, 09-May-2014 17:48:46
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

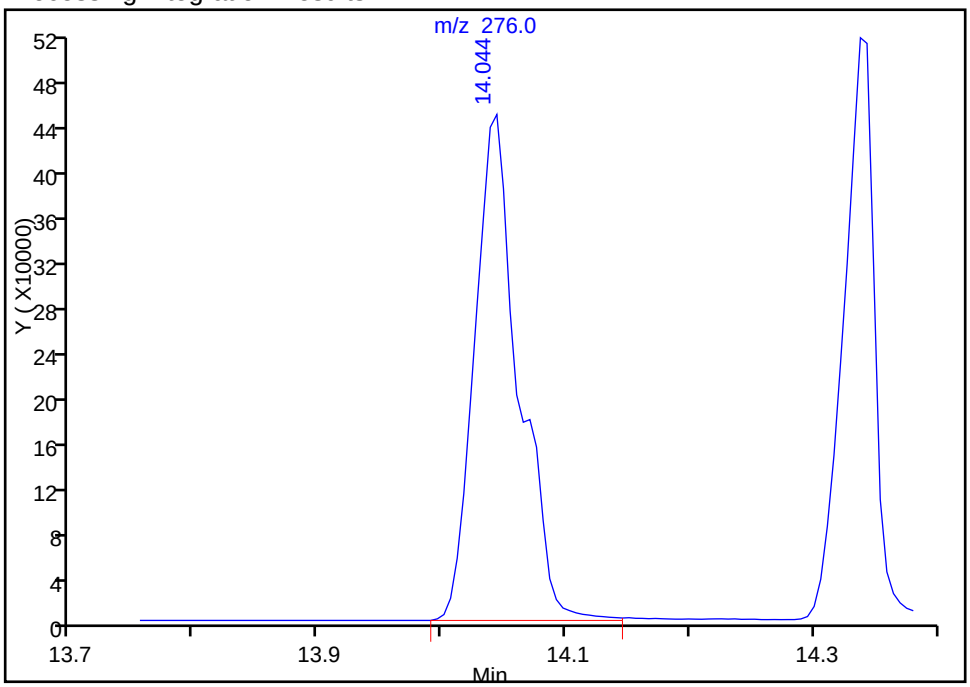
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5657.D
Injection Date: 09-May-2014 17:26:30 Instrument ID: HP5973U
Lims ID: IC - 160 PT
Client ID:
Operator ID: anm ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

219 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

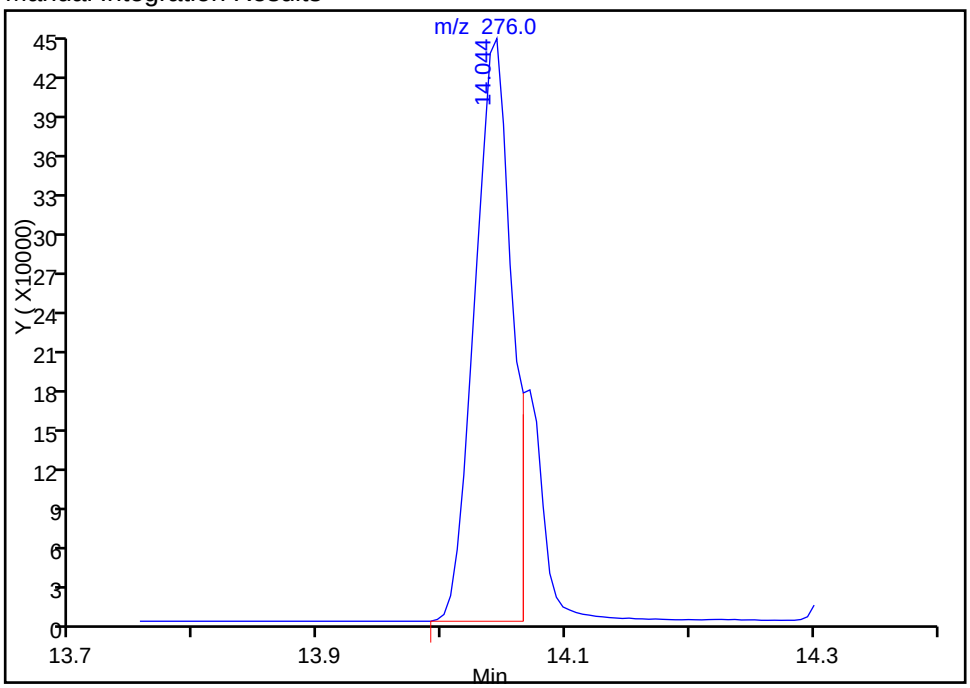
Processing Integration Results

RT: 14.04
Response: 1104397
Amount: 167.9167



Manual Integration Results

RT: 14.04
Response: 936815
Amount: 159.9751



Reviewer: mcgoverna, 09-May-2014 17:48:46
Audit Action: Split an Integrated Peak
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCVIS 480-180910/6 Calibration Date: 05/08/2014 11:57

Instrument ID: HP5973U Calib Start Date: 05/06/2014 12:23

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 05/06/2014 13:56

Lab File ID: U5625.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Lin1		0.4312		75600	80000	-5.4	20.0
Pyridine	Lin1		0.6056		73700	80000	-7.9	20.0
Aniline	Ave	1.596	1.547		77500	80000	-3.1	20.0
Phenol	Ave	1.394	1.356		77800	80000	-2.7	20.0
Bis(2-chloroethyl)ether	Ave	0.9908	0.9592		77400	80000	-3.2	20.0
2-Chlorophenol	Ave	1.194	1.209		81000	80000	1.3	20.0
n-Decane	Ave	0.8798	0.8353		152000	160000	-5.1	20.0
1,3-Dichlorobenzene	Ave	1.396	1.419		81300	80000	1.6	20.0
1,4-Dichlorobenzene	Ave	1.387	1.409		81300	80000	1.6	20.0
Benzyl alcohol	Ave	0.6909	0.6773		78400	80000	-2.0	20.0
1,2-Dichlorobenzene	Ave	1.273	1.284		80600	80000	0.8	20.0
2-Methylphenol	Ave	1.010	0.9815		77800	80000	-2.8	20.0
bis (2-chloroisopropyl) ether	Ave	1.047	0.9580		73200	80000	-8.5	20.0
4-Methylphenol	Ave	0.9687	0.9481		78300	80000	-2.1	20.0
N-Nitrosodi-n-propylamine	Ave	0.6683	0.6305		75500	80000	-5.7	20.0
Hexachloroethane	Lin1		0.4812		85100	80000	6.3	20.0
Nitrobenzene	Ave	0.3020	0.2922		77400	80000	-3.2	20.0
Isophorone	Ave	0.5106	0.4829		75700	80000	-5.4	20.0
2-Nitrophenol	Ave	0.1695	0.1833		86500	80000	8.1	20.0
2,4-Dimethylphenol	Ave	0.2834	0.2724		76900	80000	-3.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.3166	0.3029		76500	80000	-4.3	20.0
2,4-Dichlorophenol	Ave	0.2892	0.2904		80300	80000	0.4	20.0
Benzoic acid	Ave	0.2070	0.2180		169000	160000	5.3	20.0
1,2,4-Trichlorobenzene	Ave	0.3171	0.3234		81600	80000	2.0	20.0
Naphthalene	Ave	0.8528	0.8412		78900	80000	-1.4	20.0
Alpha-Terpineol	Ave	0.1901	0.1744		73400	80000	-8.2	20.0
4-Chloroaniline	Ave	0.3861	0.3790		78500	80000	-1.8	20.0
Hexachlorobutadiene	Ave	0.1873	0.1946		83100	80000	3.9	20.0
4-Chloro-3-methylphenol	Ave	0.2456	0.2449		79800	80000	-0.2	20.0
2-Methylnaphthalene	Ave	0.5568	0.5502		79100	80000	-1.2	20.0
Hexachlorocyclopentadiene	Ave	0.3172	0.3246		81900	80000	2.4	20.0
2,3-Dichloroaniline	Ave	0.3083	0.3080		79900	80000	-0.0	20.0
2,4,6-Trichlorophenol	Ave	0.3371	0.3545		84100	80000	5.2	20.0
2,4,5-Trichlorophenol	Ave	0.3611	0.4114		91100	80000	13.9	20.0
2-Chloronaphthalene	Ave	0.9344	0.9522		81500	80000	1.9	20.0
2-Nitroaniline	Ave	0.2548	0.2496		78400	80000	-2.1	20.0
Dimethyl phthalate	Ave	1.124	1.111		79100	80000	-1.1	20.0
2,6-Dinitrotoluene	Ave	0.2681	0.2839		84700	80000	5.9	20.0
Acenaphthylene	Ave	1.474	1.493		81000	80000	1.3	20.0
3-Nitroaniline	Ave	0.2934	0.3090		84300	80000	5.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCVIS 480-180910/6 Calibration Date: 05/08/2014 11:57

Instrument ID: HP5973U Calib Start Date: 05/06/2014 12:23

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 05/06/2014 13:56

Lab File ID: U5625.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthene	Ave	0.9935	1.021		82200	80000	2.7	20.0
2,4-Dinitrophenol	Lin1		0.1586		149000	160000	-6.6	20.0
4-Nitrophenol	Lin1		0.1395		172000	160000	7.2	20.0
Dibenzofuran	Ave	1.351	1.370		81100	80000	1.4	20.0
2,4-Dinitrotoluene	Ave	0.3394	0.3666		86400	80000	8.0	20.0
Diethyl phthalate	Ave	0.9312	1.002		86100	80000	7.6	20.0
Fluorene	Ave	1.081	1.098		81300	80000	1.6	20.0
4-Chlorophenyl phenyl ether	Ave	0.5539	0.5793		83700	80000	4.6	20.0
4-Nitroaniline	Ave	0.2646	0.2888		87300	80000	9.1	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1344		166000	160000	3.6	20.0
N-Nitrosodiphenylamine	Ave	0.5003	0.5030		80400	80000	0.5	20.0
1,2-Diphenylhydrazine	Ave	0.9144	0.8894		77800	80000	-2.7	20.0
4-Bromophenyl phenyl ether	Ave	0.2226	0.2304		82800	80000	3.5	20.0
Hexachlorobenzene	Ave	0.2520	0.2682		85100	80000	6.4	20.0
Pentachlorophenol	Lin1		0.1564		182000	160000	13.7	20.0
n-Octadecane	Ave	0.2241	0.2089		149000	160000	-6.8	20.0
Phenanthrene	Ave	0.9556	0.9385		78600	80000	-1.8	20.0
Anthracene	Ave	0.9478	0.9535		80500	80000	0.6	20.0
Carbazole	Ave	0.8662	0.8749		80800	80000	1.0	20.0
Di-n-butyl phthalate	Ave	0.8207	0.8828		86000	80000	7.6	20.0
Fluoranthene	Ave	0.9823	1.022		83200	80000	4.0	20.0
Benzidine	Lin1		0.2301		135000	160000	-15.6	20.0
Pyrene	Ave	1.049	1.062		81000	80000	1.2	20.0
Butyl benzyl phthalate	Ave	0.3259	0.3787		93000	80000	16.2	20.0
3,3'-Dichlorobenzidine	Ave	0.2776	0.3124		180000	160000	12.5	20.0
Benzo[a]anthracene	Ave	0.8580	0.9109		84900	80000	6.2	20.0
Chrysene	Ave	0.8916	0.8957		80400	80000	0.5	20.0
Bis(2-ethylhexyl) phthalate	Lin1		0.4906		88700	80000	10.9	20.0
Di-n-octyl phthalate	Lin1		0.7062		92500	80000	15.7	20.0
Benzo[b]fluoranthene	Ave	0.9666	1.080		89400	80000	11.7	20.0
Benzo[k]fluoranthene	Ave	1.191	1.238		83100	80000	3.9	20.0
Benzo[a]pyrene	Ave	0.8423	0.997		94700	80000	18.4	20.0
Indeno[1,2,3-cd]pyrene	Lin1		0.7216		87400	80000	9.3	20.0
Dibenz(a,h)anthracene	Ave	0.5898	0.7647		104000	80000	29.6*	20.0
Benzo[g,h,i]perylene	Ave	0.5975	0.7136		95500	80000	19.4	20.0
2-Fluorophenol	Ave	1.214	1.183		78000	80000	-2.5	20.0
Phenol-d5	Ave	1.364	1.353		79300	80000	-0.9	20.0
Nitrobenzene-d5	Ave	0.3307	0.3232		78200	80000	-2.3	20.0
2-Fluorobiphenyl	Ave	1.272	1.274		80100	80000	0.1	20.0
2,4,6-Tribromophenol	Ave	0.1228	0.1464		95400	80000	19.3	20.0
p-Terphenyl-d14	Lin1		0.8012		86700	80000	8.4	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5625.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 08-May-2014 11:57:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0031903-006
Operator ID: anm Instrument ID: HP5973U
Sublist: chrom-U-625*sub43

Method: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U-625.m
Limit Group: MB - 625 ICAL
Last Update: 08-May-2014 13:48:45 Calib Date: 08-May-2014 11:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5624.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: mcgoverna Date: 08-May-2014 13:48:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.427	5.427	0.000	83	202343	40.0	40.0	
* 2 Naphthalene-d8	136	6.506	6.506	0.000	95	710208	40.0	40.0	
* 3 Acenaphthene-d10	164	7.959	7.959	0.000	77	402550	40.0	40.0	
* 4 Phenanthrene-d10	188	9.183	9.183	0.000	92	691632	40.0	40.0	
* 5 Chrysene-d12	240	11.384	11.384	0.000	75	690169	40.0	40.0	
* 6 Perylene-d12	264	12.858	12.858	0.000	80	500236	40.0	40.0	
$ 9 2-Fluorophenol	112	4.246	4.246	0.000	85	478611	80.0	78.0	
$ 10 Phenol-d5	99	5.138	5.138	0.000	68	547386	80.0	79.3	
$ 11 Nitrobenzene-d5	82	5.908	5.908	0.000	85	459007	80.0	78.2	
$ 12 2-Fluorobiphenyl	172	7.414	7.414	0.000	98	1025507	80.0	80.1	
$ 13 2,4,6-Tribromophenol	330	8.616	8.616	0.000	86	202562	80.0	95.4	
$ 14 p-Terphenyl-d14	244	10.497	10.497	0.000	95	1105923	80.0	86.7	
81 N-Nitrosodimethylamine	42	2.761	2.761	0.000	83	174492	80.0	75.6	M
82 Pyridine	52	2.788	2.788	0.000	0	245072	80.0	73.7	M
89 Phenol	94	5.149	5.149	0.000	92	548811	80.0	77.8	
90 Aniline	93	5.149	5.149	0.000	70	625919	80.0	77.5	
91 Bis(2-chloroethyl)ether	93	5.219	5.219	0.000	98	388157	80.0	77.4	
93 2-Chlorophenol	128	5.245	5.245	0.000	90	489303	80.0	81.0	
20 n-Decane	57	5.325	5.325	0.000	83	676085	160.0	151.9	
94 1,3-Dichlorobenzene	146	5.379	5.379	0.000	90	574094	80.0	81.3	
95 1,4-Dichlorobenzene	146	5.443	5.443	0.000	89	570096	80.0	81.3	
96 Benzyl alcohol	108	5.566	5.566	0.000	92	274102	80.0	78.4	
97 1,2-Dichlorobenzene	146	5.571	5.571	0.000	89	519527	80.0	80.6	
98 2-Methylphenol	108	5.667	5.667	0.000	95	397208	80.0	77.8	
99 2,2'-oxybis[1-chloropropan	45	5.683	5.683	0.000	89	387673	80.0	73.2	
104 Acetophenone	105	5.785	5.785	0.000	95	572372	80.0	78.1	
102 4-Methylphenol	108	5.806	5.806	0.000	96	383691	80.0	78.3	
101 N-Nitrosodi-n-propylamine	70	5.806	5.806	0.000	76	255159	80.0	75.5	
106 Hexachloroethane	117	5.854	5.854	0.000	91	194742	80.0	85.1	
107 Nitrobenzene	77	5.924	5.924	0.000	81	415048	80.0	77.4	
110 Isophorone	82	6.137	6.137	0.000	95	685982	80.0	75.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
111 2-Nitrophenol	139	6.191	6.191	0.000	87	260328	80.0	86.5	
112 2,4-Dimethylphenol	107	6.250	6.250	0.000	93	386946	80.0	76.9	
115 Bis(2-chloroethoxy)methane	93	6.330	6.330	0.000	96	430305	80.0	76.5	
117 2,4-Dichlorophenol	162	6.394	6.394	0.000	87	412424	80.0	80.3	
119 Benzoic acid	105	6.437	6.437	0.000	78	619271	160.0	168.5	
120 1,2,4-Trichlorobenzene	180	6.458	6.458	0.000	86	459319	80.0	81.6	
121 Naphthalene	128	6.522	6.522	0.000	98	1194917	80.0	78.9	
122 Alpha-Terpineol	59	6.549	6.549	0.000	84	247769	80.0	73.4	
123 4-Chloroaniline	127	6.581	6.581	0.000	85	538275	80.0	78.5	
126 Hexachlorobutadiene	225	6.634	6.634	0.000	89	276415	80.0	83.1	
131 4-Chloro-3-methylphenol	107	7.003	7.003	0.000	86	347919	80.0	79.8	
133 2-Methylnaphthalene	142	7.179	7.179	0.000	83	781565	80.0	79.1	
136 Hexachlorocyclopentadiene	237	7.233	7.233	0.000	84	261367	80.0	81.9	
138 1,2,4,5-Tetrachlorobenzene	216	7.238	7.238	0.000	88	445305	80.0	81.9	
223 2,3-Dichlorobenzenamine	161	7.334	7.334	0.000	94	437480	80.0	79.9	
139 2,4,6-Trichlorophenol	196	7.339	7.339	0.000	85	285402	80.0	84.1	
140 2,4,5-Trichlorophenol	196	7.372	7.372	0.000	95	331218	80.0	91.1	M
143 2-Chloronaphthalene	162	7.500	7.500	0.000	92	766609	80.0	81.5	
145 2-Nitroaniline	65	7.596	7.596	0.000	88	200915	80.0	78.4	
147 Dimethyl phthalate	163	7.772	7.772	0.000	96	894757	80.0	79.1	
148 2,6-Dinitrotoluene	165	7.810	7.810	0.000	66	228560	80.0	84.7	
149 Acenaphthylene	152	7.842	7.842	0.000	83	1201998	80.0	81.0	
150 3-Nitroaniline	138	7.948	7.948	0.000	89	248772	80.0	84.3	
151 Acenaphthene	153	7.986	7.986	0.000	94	821667	80.0	82.2	
152 2,4-Dinitrophenol	184	8.039	8.039	0.000	80	255424	160.0	149.5	
153 4-Nitrophenol	109	8.114	8.114	0.000	92	224590	160.0	171.5	
155 Dibenzofuran	168	8.130	8.130	0.000	81	1103260	80.0	81.1	
154 2,4-Dinitrotoluene	165	8.141	8.141	0.000	80	295110	80.0	86.4	
158 2,3,4,6-Tetrachlorophenol	232	8.242	8.242	0.000	64	270395	80.0	87.9	
160 Diethyl phthalate	149	8.349	8.349	0.000	97	806565	80.0	86.1	
161 Fluorene	166	8.413	8.413	0.000	81	883984	80.0	81.3	
162 4-Chlorophenyl phenyl ethe	204	8.424	8.424	0.000	86	466423	80.0	83.7	
164 4-Nitroaniline	138	8.467	8.467	0.000	91	232505	80.0	87.3	
166 4,6-Dinitro-2-methylphenol	198	8.477	8.477	0.000	91	371720	160.0	165.8	
167 N-Nitrosodiphenylamine	169	8.525	8.525	0.000	57	695816	80.0	80.4	
168 1,2-Diphenylhydrazine	77	8.552	8.552	0.000	94	716074	80.0	77.8	
176 4-Bromophenyl phenyl ether	248	8.825	8.825	0.000	50	318731	80.0	82.8	
177 Hexachlorobenzene	284	8.867	8.867	0.000	84	371047	80.0	85.1	
181 Pentachlorophenol	266	9.033	9.033	0.000	83	432785	160.0	181.9	
16 n-Octadecane	57	9.129	9.129	0.000	96	577845	160.0	149.1	
185 Phenanthrene	178	9.204	9.204	0.000	85	1298213	80.0	78.6	
188 Anthracene	178	9.247	9.247	0.000	85	1318921	80.0	80.5	
189 Carbazole	167	9.380	9.380	0.000	82	1210266	80.0	80.8	
192 Di-n-butyl phthalate	149	9.690	9.690	0.000	99	1221083	80.0	86.0	
197 Fluoranthene	202	10.176	10.176	0.000	97	1413330	80.0	83.2	
198 Benzidine	184	10.294	10.294	0.000	87	635168	160.0	135.0	
199 Pyrene	202	10.358	10.358	0.000	94	1465746	80.0	81.0	
205 Butyl benzyl phthalate	149	10.913	10.913	0.000	93	522784	80.0	93.0	
208 3,3'-Dichlorobenzidine	252	11.368	11.368	0.000	64	862446	160.0	180.1	
209 Benzo[a]anthracene	228	11.373	11.373	0.000	87	1257360	80.0	84.9	
211 Chrysene	228	11.410	11.410	0.000	84	1236393	80.0	80.4	
210 Bis(2-ethylhexyl) phthalat	149	11.437	11.437	0.000	92	677168	80.0	88.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
212 Di-n-octyl phthalate	149	12.089	12.089	0.000	98	974792	80.0	92.5	
213 Benzo[b]fluoranthene	252	12.452	12.452	0.000	77	1080463	80.0	89.4	
214 Benzo[k]fluoranthene	252	12.484	12.484	0.000	84	1238374	80.0	83.1	
217 Benzo[a]pyrene	252	12.799	12.799	0.000	72	997755	80.0	94.7	
219 Indeno[1,2,3-cd]pyrene	276	14.060	14.060	0.000	79	721898	80.0	87.4	
220 Dibenz(a,h)anthracene	278	14.092	14.092	0.000	40	765012	80.0	103.7	
221 Benzo[g,h,i]perylene	276	14.359	14.359	0.000	79	713938	80.0	95.5	
S 222 Total Cresols	1				0			156.1	
S 77 3 & 4 Methylphenol	108				0			78.3	
S 78 3-Methylphenol	1				0		80.0	78.3	

QC Flag Legend

Review Flags
M - Manually Integrated

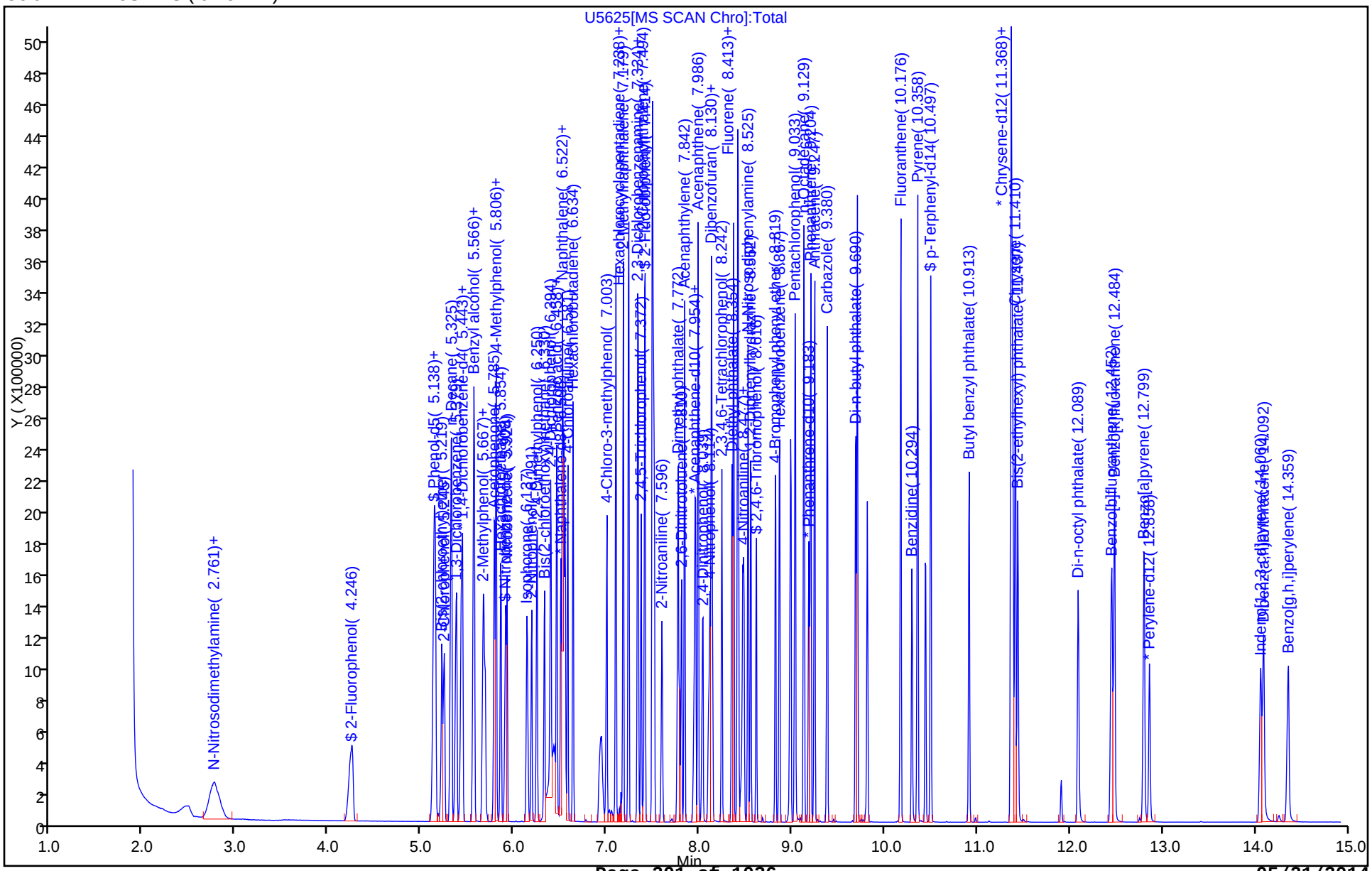
Report Date: 08-May-2014 13:48:46 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5625.D

Injection Date:	08-May-2014 11:57:30	Instrument ID:	HP5973U	Operator ID:	anm
Lims ID:	CCVIS			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	U-625	Limit Group:	MB - 625 ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

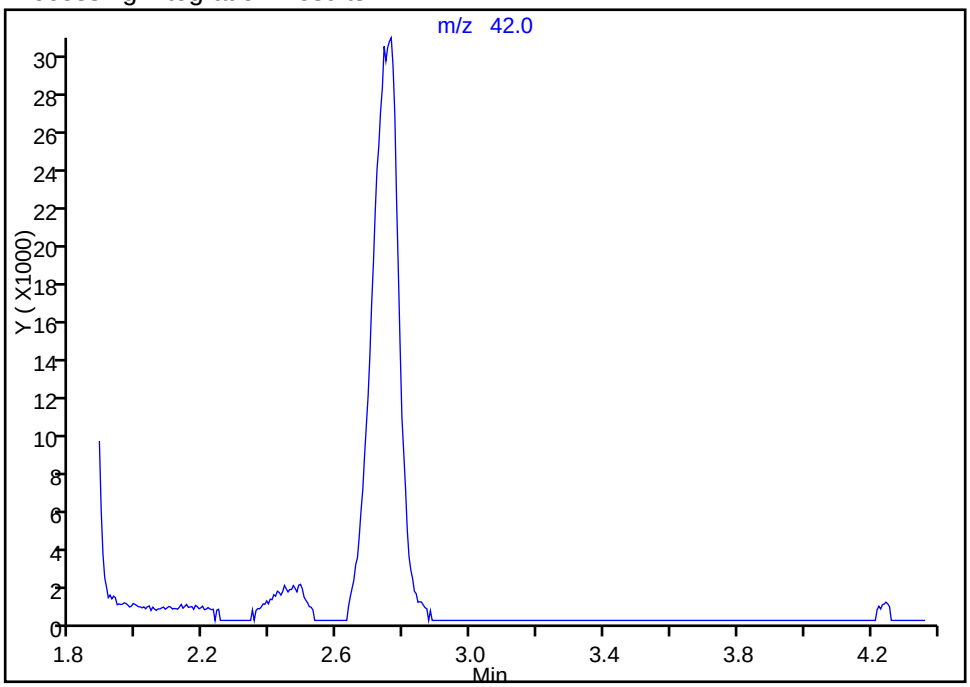
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5625.D
Injection Date: 08-May-2014 11:57:30 Instrument ID: HP5973U
Lims ID: CCVIS
Client ID:
Operator ID: anm ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

81 N-Nitrosodimethylamine, CAS: 62-75-9

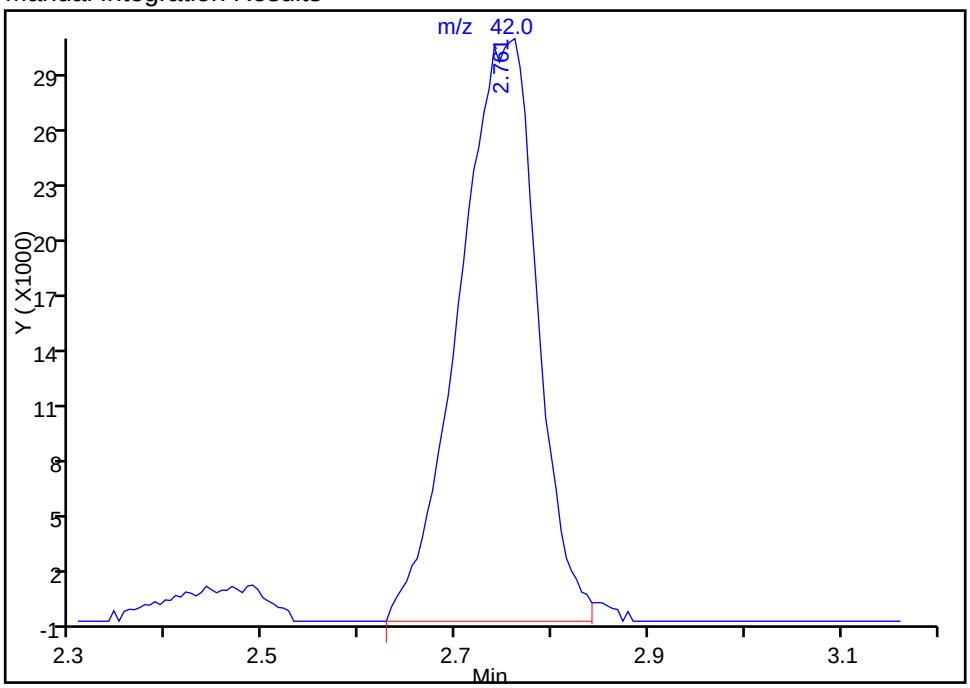
Not Detected
Expected RT: 2.76

Processing Integration Results



Manual Integration Results

RT: 2.76
Response: 174492
Amount: 75.649554



Reviewer: mcgoverna, 08-May-2014 12:22:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

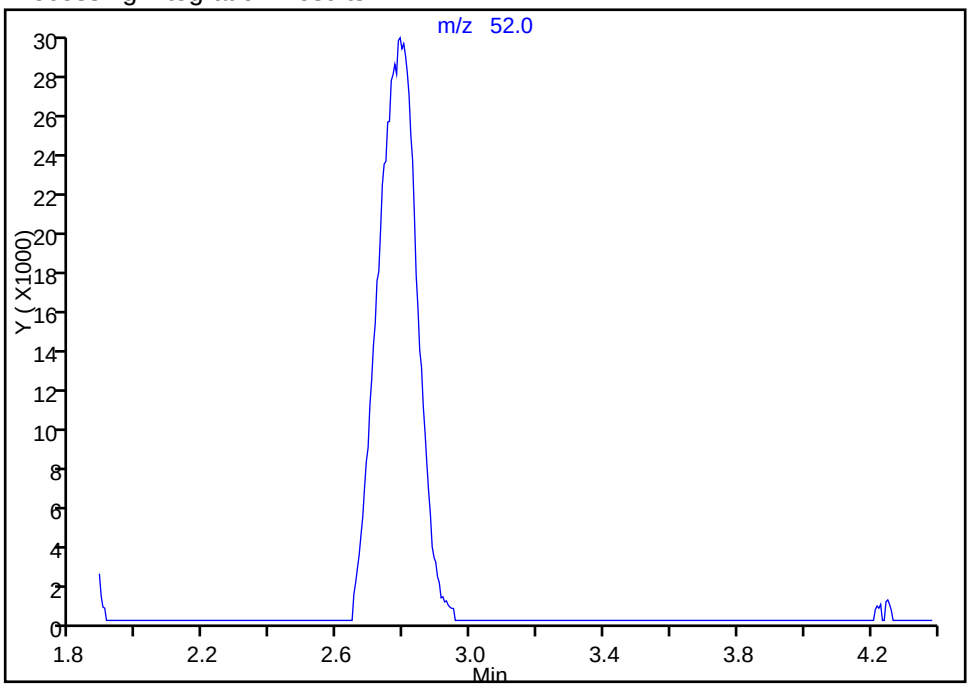
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5625.D
Injection Date: 08-May-2014 11:57:30 Instrument ID: HP5973U
Lims ID: CCVIS
Client ID:
Operator ID: anm ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

82 Pyridine, CAS: 110-86-1

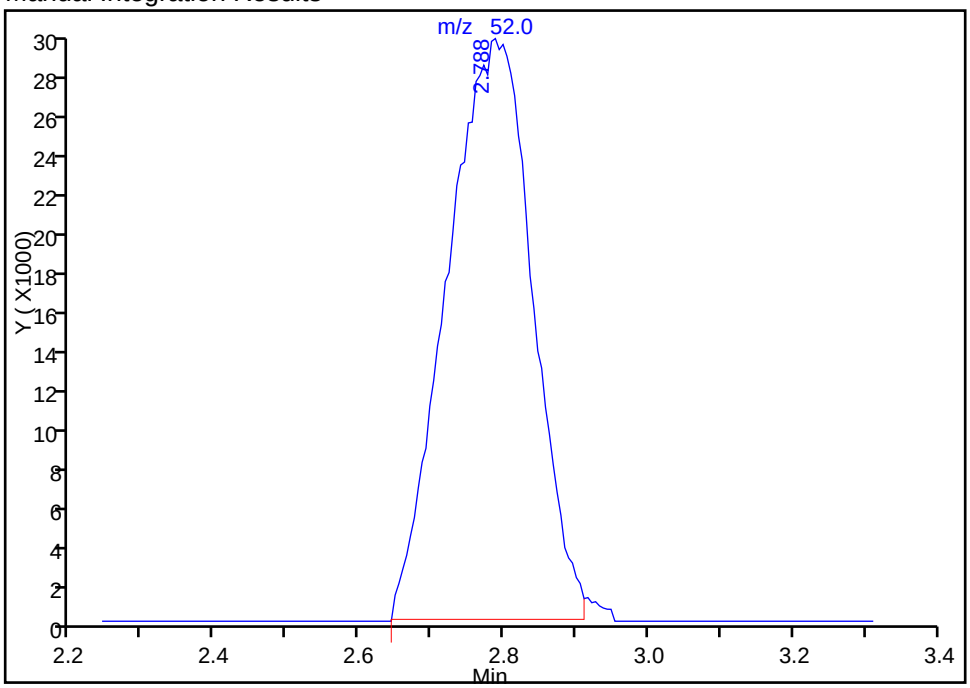
Not Detected
Expected RT: 2.79

Processing Integration Results



Manual Integration Results

RT: 2.79
Response: 245072
Amount: 73.700000



Reviewer: mcgoverna, 08-May-2014 12:22:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

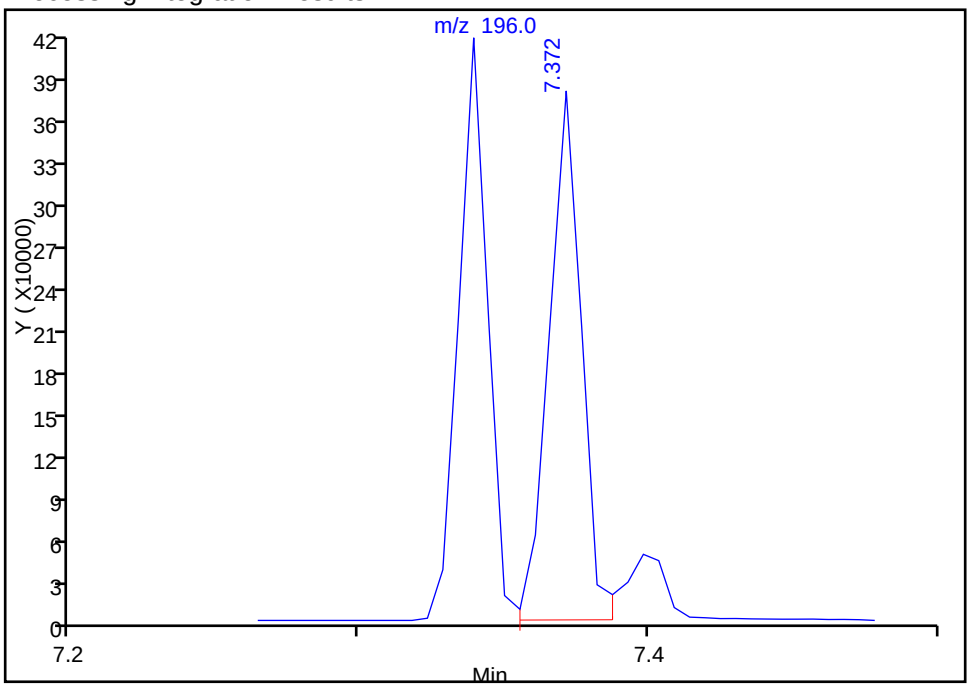
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5625.D
Injection Date: 08-May-2014 11:57:30 Instrument ID: HP5973U
Lims ID: CCVIS
Client ID:
Operator ID: anm ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

140 2,4,5-Trichlorophenol, CAS: 95-95-4

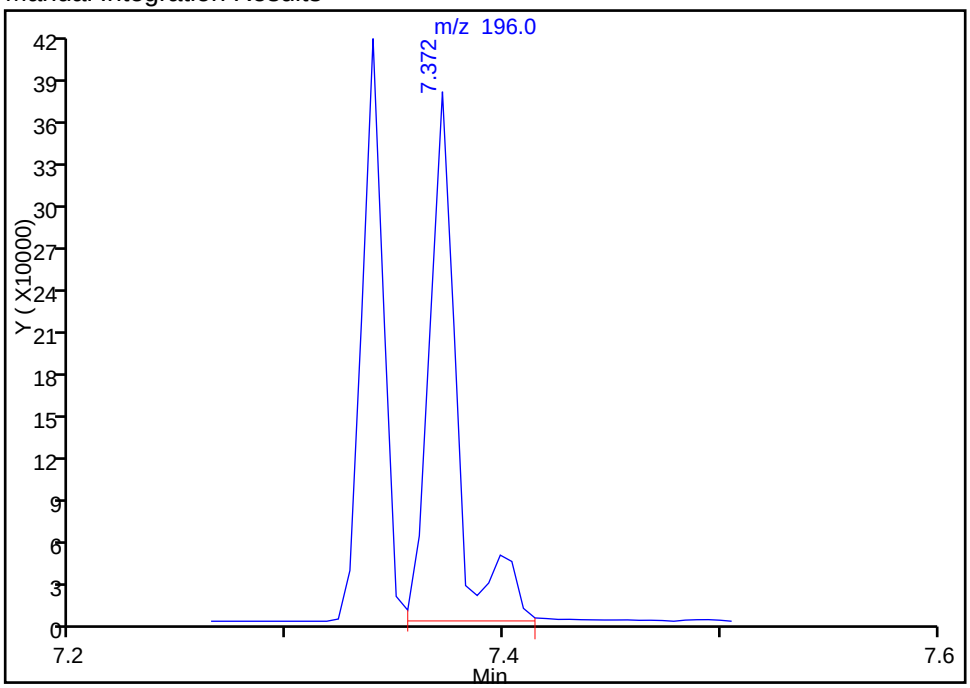
Processing Integration Results

RT: 7.37
Response: 290638
Amount: 79.966019



Manual Integration Results

RT: 7.37
Response: 331218
Amount: 91.131184



Reviewer: mcgoverna, 08-May-2014 12:22:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCVIS 480-180910/6 Calibration Date: 05/08/2014 11:57

Instrument ID: HP5973U Calib Start Date: 05/06/2014 14:19

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 05/06/2014 15:04

Lab File ID: U5625.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetophenone	Ave	1.507	1.414		78100	80000	-6.1	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5181	0.5531		81900	80000	6.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5625.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 08-May-2014 11:57:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0031903-006
Operator ID: anm Instrument ID: HP5973U
Sublist: chrom-U-625*sub43

Method: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U-625.m
Limit Group: MB - 625 ICAL
Last Update: 08-May-2014 13:48:45 Calib Date: 08-May-2014 11:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5624.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: mcgoverna Date: 08-May-2014 13:48:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.427	5.427	0.000	83	202343	40.0	40.0	
* 2 Naphthalene-d8	136	6.506	6.506	0.000	95	710208	40.0	40.0	
* 3 Acenaphthene-d10	164	7.959	7.959	0.000	77	402550	40.0	40.0	
* 4 Phenanthrene-d10	188	9.183	9.183	0.000	92	691632	40.0	40.0	
* 5 Chrysene-d12	240	11.384	11.384	0.000	75	690169	40.0	40.0	
* 6 Perylene-d12	264	12.858	12.858	0.000	80	500236	40.0	40.0	
$ 9 2-Fluorophenol	112	4.246	4.246	0.000	85	478611	80.0	78.0	
$ 10 Phenol-d5	99	5.138	5.138	0.000	68	547386	80.0	79.3	
$ 11 Nitrobenzene-d5	82	5.908	5.908	0.000	85	459007	80.0	78.2	
$ 12 2-Fluorobiphenyl	172	7.414	7.414	0.000	98	1025507	80.0	80.1	
$ 13 2,4,6-Tribromophenol	330	8.616	8.616	0.000	86	202562	80.0	95.4	
$ 14 p-Terphenyl-d14	244	10.497	10.497	0.000	95	1105923	80.0	86.7	
81 N-Nitrosodimethylamine	42	2.761	2.761	0.000	83	174492	80.0	75.6	M
82 Pyridine	52	2.788	2.788	0.000	0	245072	80.0	73.7	M
89 Phenol	94	5.149	5.149	0.000	92	548811	80.0	77.8	
90 Aniline	93	5.149	5.149	0.000	70	625919	80.0	77.5	
91 Bis(2-chloroethyl)ether	93	5.219	5.219	0.000	98	388157	80.0	77.4	
93 2-Chlorophenol	128	5.245	5.245	0.000	90	489303	80.0	81.0	
20 n-Decane	57	5.325	5.325	0.000	83	676085	160.0	151.9	
94 1,3-Dichlorobenzene	146	5.379	5.379	0.000	90	574094	80.0	81.3	
95 1,4-Dichlorobenzene	146	5.443	5.443	0.000	89	570096	80.0	81.3	
96 Benzyl alcohol	108	5.566	5.566	0.000	92	274102	80.0	78.4	
97 1,2-Dichlorobenzene	146	5.571	5.571	0.000	89	519527	80.0	80.6	
98 2-Methylphenol	108	5.667	5.667	0.000	95	397208	80.0	77.8	
99 2,2'-oxybis[1-chloropropan	45	5.683	5.683	0.000	89	387673	80.0	73.2	
104 Acetophenone	105	5.785	5.785	0.000	95	572372	80.0	78.1	
102 4-Methylphenol	108	5.806	5.806	0.000	96	383691	80.0	78.3	
101 N-Nitrosodi-n-propylamine	70	5.806	5.806	0.000	76	255159	80.0	75.5	
106 Hexachloroethane	117	5.854	5.854	0.000	91	194742	80.0	85.1	
107 Nitrobenzene	77	5.924	5.924	0.000	81	415048	80.0	77.4	
110 Isophorone	82	6.137	6.137	0.000	95	685982	80.0	75.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
111 2-Nitrophenol	139	6.191	6.191	0.000	87	260328	80.0	86.5	
112 2,4-Dimethylphenol	107	6.250	6.250	0.000	93	386946	80.0	76.9	
115 Bis(2-chloroethoxy)methane	93	6.330	6.330	0.000	96	430305	80.0	76.5	
117 2,4-Dichlorophenol	162	6.394	6.394	0.000	87	412424	80.0	80.3	
119 Benzoic acid	105	6.437	6.437	0.000	78	619271	160.0	168.5	
120 1,2,4-Trichlorobenzene	180	6.458	6.458	0.000	86	459319	80.0	81.6	
121 Naphthalene	128	6.522	6.522	0.000	98	1194917	80.0	78.9	
122 Alpha-Terpineol	59	6.549	6.549	0.000	84	247769	80.0	73.4	
123 4-Chloroaniline	127	6.581	6.581	0.000	85	538275	80.0	78.5	
126 Hexachlorobutadiene	225	6.634	6.634	0.000	89	276415	80.0	83.1	
131 4-Chloro-3-methylphenol	107	7.003	7.003	0.000	86	347919	80.0	79.8	
133 2-Methylnaphthalene	142	7.179	7.179	0.000	83	781565	80.0	79.1	
136 Hexachlorocyclopentadiene	237	7.233	7.233	0.000	84	261367	80.0	81.9	
138 1,2,4,5-Tetrachlorobenzene	216	7.238	7.238	0.000	88	445305	80.0	81.9	
223 2,3-Dichlorobenzenamine	161	7.334	7.334	0.000	94	437480	80.0	79.9	
139 2,4,6-Trichlorophenol	196	7.339	7.339	0.000	85	285402	80.0	84.1	
140 2,4,5-Trichlorophenol	196	7.372	7.372	0.000	95	331218	80.0	91.1	M
143 2-Chloronaphthalene	162	7.500	7.500	0.000	92	766609	80.0	81.5	
145 2-Nitroaniline	65	7.596	7.596	0.000	88	200915	80.0	78.4	
147 Dimethyl phthalate	163	7.772	7.772	0.000	96	894757	80.0	79.1	
148 2,6-Dinitrotoluene	165	7.810	7.810	0.000	66	228560	80.0	84.7	
149 Acenaphthylene	152	7.842	7.842	0.000	83	1201998	80.0	81.0	
150 3-Nitroaniline	138	7.948	7.948	0.000	89	248772	80.0	84.3	
151 Acenaphthene	153	7.986	7.986	0.000	94	821667	80.0	82.2	
152 2,4-Dinitrophenol	184	8.039	8.039	0.000	80	255424	160.0	149.5	
153 4-Nitrophenol	109	8.114	8.114	0.000	92	224590	160.0	171.5	
155 Dibenzofuran	168	8.130	8.130	0.000	81	1103260	80.0	81.1	
154 2,4-Dinitrotoluene	165	8.141	8.141	0.000	80	295110	80.0	86.4	
158 2,3,4,6-Tetrachlorophenol	232	8.242	8.242	0.000	64	270395	80.0	87.9	
160 Diethyl phthalate	149	8.349	8.349	0.000	97	806565	80.0	86.1	
161 Fluorene	166	8.413	8.413	0.000	81	883984	80.0	81.3	
162 4-Chlorophenyl phenyl ethe	204	8.424	8.424	0.000	86	466423	80.0	83.7	
164 4-Nitroaniline	138	8.467	8.467	0.000	91	232505	80.0	87.3	
166 4,6-Dinitro-2-methylphenol	198	8.477	8.477	0.000	91	371720	160.0	165.8	
167 N-Nitrosodiphenylamine	169	8.525	8.525	0.000	57	695816	80.0	80.4	
168 1,2-Diphenylhydrazine	77	8.552	8.552	0.000	94	716074	80.0	77.8	
176 4-Bromophenyl phenyl ether	248	8.825	8.825	0.000	50	318731	80.0	82.8	
177 Hexachlorobenzene	284	8.867	8.867	0.000	84	371047	80.0	85.1	
181 Pentachlorophenol	266	9.033	9.033	0.000	83	432785	160.0	181.9	
16 n-Octadecane	57	9.129	9.129	0.000	96	577845	160.0	149.1	
185 Phenanthrene	178	9.204	9.204	0.000	85	1298213	80.0	78.6	
188 Anthracene	178	9.247	9.247	0.000	85	1318921	80.0	80.5	
189 Carbazole	167	9.380	9.380	0.000	82	1210266	80.0	80.8	
192 Di-n-butyl phthalate	149	9.690	9.690	0.000	99	1221083	80.0	86.0	
197 Fluoranthene	202	10.176	10.176	0.000	97	1413330	80.0	83.2	
198 Benzidine	184	10.294	10.294	0.000	87	635168	160.0	135.0	
199 Pyrene	202	10.358	10.358	0.000	94	1465746	80.0	81.0	
205 Butyl benzyl phthalate	149	10.913	10.913	0.000	93	522784	80.0	93.0	
208 3,3'-Dichlorobenzidine	252	11.368	11.368	0.000	64	862446	160.0	180.1	
209 Benzo[a]anthracene	228	11.373	11.373	0.000	87	1257360	80.0	84.9	
211 Chrysene	228	11.410	11.410	0.000	84	1236393	80.0	80.4	
210 Bis(2-ethylhexyl) phthalat	149	11.437	11.437	0.000	92	677168	80.0	88.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
212 Di-n-octyl phthalate	149	12.089	12.089	0.000	98	974792	80.0	92.5	
213 Benzo[b]fluoranthene	252	12.452	12.452	0.000	77	1080463	80.0	89.4	
214 Benzo[k]fluoranthene	252	12.484	12.484	0.000	84	1238374	80.0	83.1	
217 Benzo[a]pyrene	252	12.799	12.799	0.000	72	997755	80.0	94.7	
219 Indeno[1,2,3-cd]pyrene	276	14.060	14.060	0.000	79	721898	80.0	87.4	
220 Dibenz(a,h)anthracene	278	14.092	14.092	0.000	40	765012	80.0	103.7	
221 Benzo[g,h,i]perylene	276	14.359	14.359	0.000	79	713938	80.0	95.5	
S 222 Total Cresols	1				0			156.1	
S 77 3 & 4 Methylphenol	108				0			78.3	
S 78 3-Methylphenol	1				0		80.0	78.3	

QC Flag Legend

Review Flags
M - Manually Integrated

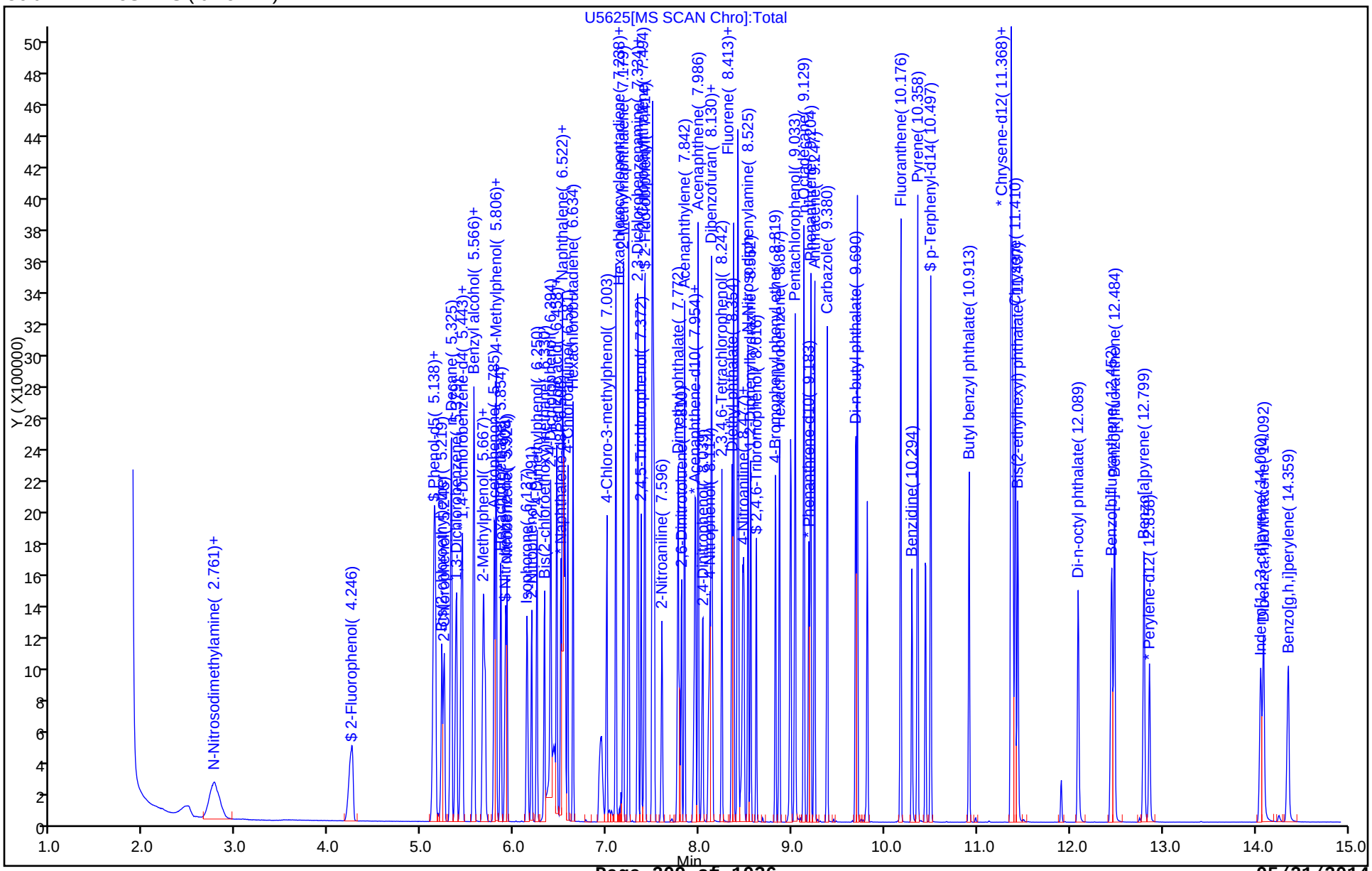
Report Date: 08-May-2014 13:48:46 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5625.D

Injection Date:	08-May-2014 11:57:30	Instrument ID:	HP5973U	Operator ID:	anm
Lims ID:	CCVIS			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	U-625	Limit Group:	MB - 625 ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCVIS 480-181172/3 Calibration Date: 05/09/2014 19:52

Instrument ID: HP5973U Calib Start Date: 05/09/2014 16:39

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 05/09/2014 17:26

Lab File ID: U5663.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Lin1		0.4553		86400	80000	8.0	20.0
Pyridine	Lin1		0.6216		86100	80000	7.6	20.0
Aniline	Ave	1.499	1.514		80800	80000	1.0	20.0
Phenol	Ave	1.327	1.326		79900	80000	-0.0	20.0
Bis(2-chloroethyl)ether	Ave	0.9271	0.9361		80800	80000	1.0	20.0
2-Chlorophenol	Ave	1.177	1.201		81700	80000	2.1	20.0
n-Decane	Ave	0.7902	0.7860		159000	160000	-0.5	20.0
1,3-Dichlorobenzene	Ave	1.379	1.394		80800	80000	1.1	20.0
1,4-Dichlorobenzene	Ave	1.369	1.382		80800	80000	1.0	20.0
Benzyl alcohol	Ave	0.6605	0.6751		81800	80000	2.2	20.0
1,2-Dichlorobenzene	Ave	1.269	1.267		79900	80000	-0.2	20.0
2-Methylphenol	Ave	0.9520	0.9599		80700	80000	0.8	20.0
bis (2-chloroisopropyl) ether	Ave	0.8666	0.8795		81200	80000	1.5	20.0
Acetophenone	Ave	1.365	1.385		81200	80000	1.5	20.0
N-Nitrosodi-n-propylamine	Ave	0.6040	0.6084		80600	80000	0.7	20.0
4-Methylphenol	Ave	0.9378	0.9418		80300	80000	0.4	20.0
Hexachloroethane	Lin1		0.4706		85700	80000	7.1	20.0
Nitrobenzene	Ave	0.2748	0.2861		83300	80000	4.1	20.0
Isophorone	Ave	0.4257	0.4710		88500	80000	10.7	20.0
2-Nitrophenol	Ave	0.1655	0.1834		88600	80000	10.8	20.0
2,4-Dimethylphenol	Ave	0.2688	0.2668		79400	80000	-0.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.2923	0.2983		81600	80000	2.0	20.0
2,4-Dichlorophenol	Ave	0.2881	0.2904		80600	80000	0.8	20.0
Benzoic acid	Ave	0.2138	0.2351		176000	160000	9.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3274	0.3304		80700	80000	0.9	20.0
Naphthalene	Ave	0.8465	0.8401		79400	80000	-0.8	20.0
Alpha-Terpineol	Ave	0.1641	0.1677		81700	80000	2.1	20.0
4-Chloroaniline	Ave	0.3820	0.3875		81200	80000	1.4	20.0
Hexachlorobutadiene	Ave	0.1963	0.2010		81900	80000	2.4	20.0
4-Chloro-3-methylphenol	Ave	0.2344	0.2415		82400	80000	3.0	20.0
2-Methylnaphthalene	Ave	0.5564	0.5611		80700	80000	0.8	20.0
Hexachlorocyclopentadiene	Lin1		0.2536		79300	80000	-0.9	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5691	0.5691		80000	80000	-0.0	20.0
2,3-Dichloroaniline	Ave	0.3140	0.3173		80800	80000	1.0	20.0
2,4,6-Trichlorophenol	Ave	0.3410	0.3544		83100	80000	3.9	20.0
2,4,5-Trichlorophenol	Ave	0.4008	0.4203		83900	80000	4.9	20.0
2-Chloronaphthalene	Ave	0.9724	0.9661		79500	80000	-0.6	20.0
2-Nitroaniline	Ave	0.2250	0.2425		86200	80000	7.8	20.0
Dimethyl phthalate	Ave	1.135	1.119		78900	80000	-1.4	20.0
2,6-Dinitrotoluene	Ave	0.2684	0.2852		85000	80000	6.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCVIS 480-181172/3 Calibration Date: 05/09/2014 19:52

Instrument ID: HP5973U Calib Start Date: 05/09/2014 16:39

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 05/09/2014 17:26

Lab File ID: U5663.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthylene	Ave	1.483	1.489		80300	80000	0.4	20.0
3-Nitroaniline	Ave	0.2873	0.3110		86600	80000	8.3	20.0
Acenaphthene	Ave	0.996	1.001		80500	80000	0.6	20.0
2,4-Dinitrophenol	Lin1		0.1662		161000	160000	0.3	20.0
4-Nitrophenol	Lin1		0.1494		182000	160000	13.6	20.0
Dibenzofuran	Ave	1.376	1.402		81500	80000	1.8	20.0
2,4-Dinitrotoluene	Ave	0.3468	0.3758		86700	80000	8.4	20.0
Diethyl phthalate	Ave	0.9531	0.999		83900	80000	4.8	20.0
Fluorene	Ave	1.101	1.118		81300	80000	1.6	20.0
4-Chlorophenyl phenyl ether	Ave	0.5796	0.5961		82300	80000	2.8	20.0
4-Nitroaniline	Ave	0.2680	0.2902		86600	80000	8.3	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1377		171000	160000	7.1	20.0
N-Nitrosodiphenylamine	Ave	0.4887	0.5007		82000	80000	2.5	20.0
1,2-Diphenylhydrazine	Ave	0.8386	0.8608		82100	80000	2.7	20.0
4-Bromophenyl phenyl ether	Ave	0.2275	0.2343		82400	80000	3.0	20.0
Hexachlorobenzene	Ave	0.2664	0.2733		82100	80000	2.6	20.0
Pentachlorophenol	Lin1		0.1625		176000	160000	10.2	20.0
n-Octadecane	Ave	0.1959	0.1949		159000	160000	-0.5	20.0
Phenanthrene	Ave	0.9483	0.9532		80400	80000	0.5	20.0
Anthracene	Ave	0.9494	0.9677		81500	80000	1.9	20.0
Carbazole	Ave	0.8709	0.8844		81200	80000	1.5	20.0
Di-n-butyl phthalate	Ave	0.8382	0.8758		83600	80000	4.5	20.0
Fluoranthene	Ave	1.020	1.060		83100	80000	3.9	20.0
Benzidine	Ave	0.3042	0.2472		130000	160000	-18.7	20.0
Pyrene	Ave	1.039	1.053		81000	80000	1.3	20.0
Butyl benzyl phthalate	Ave	0.3375	0.3704		87800	80000	9.8	20.0
3,3'-Dichlorobenzidine	Ave	0.3000	0.3146		168000	160000	4.9	20.0
Benzo[a]anthracene	Ave	0.8921	0.9050		81200	80000	1.4	20.0
Chrysene	Ave	0.8953	0.9166		81900	80000	2.4	20.0
Bis(2-ethylhexyl) phthalate	Lin1		0.4851		83500	80000	4.3	20.0
Di-n-octyl phthalate	Lin1		0.7311		85100	80000	6.4	20.0
Benzo[b]fluoranthene	Ave	1.012	1.102		87100	80000	8.9	20.0
Benzo[k]fluoranthene	Ave	1.203	1.243		82700	80000	3.4	20.0
Benzo[a]pyrene	Ave	0.8986	0.9855		87700	80000	9.7	20.0
Indeno[1,2,3-cd]pyrene	Lin1		0.7357		83400	80000	4.2	20.0
Dibenz(a,h)anthracene	Ave	0.6957	0.7633		87800	80000	9.7	20.0
Benzo[g,h,i]perylene	Ave	0.6770	0.7208		85200	80000	6.5	20.0
2-Fluorophenol	Ave	1.159	1.183		81700	80000	2.1	20.0
Phenol-d5	Ave	1.305	1.332		81600	80000	2.1	20.0
Nitrobenzene-d5	Ave	0.3032	0.3159		83400	80000	4.2	20.0
2-Fluorobiphenyl	Ave	1.284	1.278		79600	80000	-0.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCVIS 480-181172/3 Calibration Date: 05/09/2014 19:52

Instrument ID: HP5973U Calib Start Date: 05/09/2014 16:39

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 05/09/2014 17:26

Lab File ID: U5663.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,6-Tribromophenol	Lin1		0.1534		85700	80000	7.1	20.0
p-Terphenyl-d14	Lin1		0.7955		85200	80000	6.5	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5663.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 09-May-2014 19:52:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0031947-003
Operator ID: anm Instrument ID: HP5973U
Sublist: chrom-U-625*sub43

Method: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U-625.m
Limit Group: MB - 625 ICAL
Last Update: 09-May-2014 20:10:26 Calib Date: 09-May-2014 17:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5657.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: mcgoverna Date: 09-May-2014 20:10:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.416	5.416	0.000	91	139415	40.0	40.0	
* 2 Naphthalene-d8	136	6.490	6.490	0.000	95	491924	40.0	40.0	
* 3 Acenaphthene-d10	164	7.943	7.943	0.000	77	286424	40.0	40.0	
* 4 Phenanthrene-d10	188	9.166	9.166	0.000	91	500917	40.0	40.0	
* 5 Chrysene-d12	240	11.367	11.367	0.000	78	521737	40.0	40.0	
* 6 Perylene-d12	264	12.837	12.837	0.000	80	383102	40.0	40.0	
$ 9 2-Fluorophenol	112	4.230	4.230	0.000	84	329798	80.0	81.7	
$ 10 Phenol-d5	99	5.122	5.122	0.000	71	371424	80.0	81.6	
$ 11 Nitrobenzene-d5	82	5.897	5.897	0.000	84	310840	80.0	83.4	
$ 12 2-Fluorobiphenyl	172	7.398	7.398	0.000	98	732125	80.0	79.6	
$ 13 2,4,6-Tribromophenol	330	8.600	8.600	0.000	87	153690	80.0	85.7	
$ 14 p-Terphenyl-d14	244	10.481	10.481	0.000	97	830028	80.0	85.2	
81 N-Nitrosodimethylamine	42	2.718	2.718	0.000	84	126956	80.0	86.4	
82 Pyridine	52	2.750	2.750	0.000	0	173327	80.0	86.1	M
89 Phenol	94	5.138	5.138	0.000	92	369751	80.0	79.9	
90 Aniline	93	5.133	5.133	0.000	78	422132	80.0	80.8	
91 Bis(2-chloroethyl)ether	93	5.208	5.208	0.000	97	261020	80.0	80.8	
93 2-Chlorophenol	128	5.229	5.229	0.000	89	334920	80.0	81.7	
20 n-Decane	57	5.309	5.309	0.000	84	438293	160.0	159.1	
94 1,3-Dichlorobenzene	146	5.363	5.363	0.000	89	388622	80.0	80.8	
95 1,4-Dichlorobenzene	146	5.427	5.427	0.000	88	385394	80.0	80.8	
96 Benzyl alcohol	108	5.550	5.550	0.000	92	188242	80.0	81.8	
97 1,2-Dichlorobenzene	146	5.555	5.555	0.000	88	353212	80.0	79.9	
98 2-Methylphenol	108	5.657	5.657	0.000	95	267647	80.0	80.7	
99 2,2'-oxybis[1-chloropropan	45	5.673	5.673	0.000	87	245243	80.0	81.2	
104 Acetophenone	105	5.774	5.774	0.000	96	386294	80.0	81.2	
101 N-Nitrosodi-n-propylamine	70	5.790	5.790	0.000	62	169629	80.0	80.6	
102 4-Methylphenol	108	5.796	5.796	0.000	95	262610	80.0	80.3	
106 Hexachloroethane	117	5.844	5.844	0.000	84	131226	80.0	85.7	
107 Nitrobenzene	77	5.913	5.913	0.000	80	281481	80.0	83.3	
110 Isophorone	82	6.127	6.127	0.000	95	463406	80.0	88.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
111 2-Nitrophenol	139	6.175	6.175	0.000	86	180431	80.0	88.6	
112 2,4-Dimethylphenol	107	6.234	6.234	0.000	94	262504	80.0	79.4	
115 Bis(2-chloroethoxy)methane	93	6.314	6.314	0.000	96	293491	80.0	81.6	
117 2,4-Dichlorophenol	162	6.383	6.383	0.000	86	285717	80.0	80.6	
119 Benzoic acid	105	6.426	6.426	0.000	77	462600	160.0	175.9	
120 1,2,4-Trichlorobenzene	180	6.447	6.447	0.000	83	325086	80.0	80.7	
121 Naphthalene	128	6.511	6.511	0.000	94	826556	80.0	79.4	
122 Alpha-Terpineol	59	6.538	6.538	0.000	83	164942	80.0	81.7	
123 4-Chloroaniline	127	6.565	6.565	0.000	86	381248	80.0	81.2	
126 Hexachlorobutadiene	225	6.624	6.624	0.000	87	197761	80.0	81.9	
131 4-Chloro-3-methylphenol	107	6.987	6.987	0.000	84	237577	80.0	82.4	
133 2-Methylnaphthalene	142	7.168	7.168	0.000	83	552019	80.0	80.7	
136 Hexachlorocyclopentadiene	237	7.222	7.222	0.000	93	145269	80.0	79.3	
138 1,2,4,5-Tetrachlorobenzene	216	7.227	7.227	0.000	91	325980	80.0	80.0	
223 2,3-Dichlorobenzenamine	161	7.318	7.318	0.000	95	312141	80.0	80.8	
139 2,4,6-Trichlorophenol	196	7.329	7.329	0.000	83	203006	80.0	83.1	
140 2,4,5-Trichlorophenol	196	7.361	7.361	0.000	94	240776	80.0	83.9	M
143 2-Chloronaphthalene	162	7.489	7.489	0.000	95	553447	80.0	79.5	
145 2-Nitroaniline	65	7.585	7.585	0.000	89	138887	80.0	86.2	
147 Dimethyl phthalate	163	7.756	7.756	0.000	96	641215	80.0	78.9	
148 2,6-Dinitrotoluene	165	7.794	7.794	0.000	86	163354	80.0	85.0	
149 Acenaphthylene	152	7.826	7.826	0.000	82	853164	80.0	80.3	
150 3-Nitroaniline	138	7.932	7.932	0.000	91	178170	80.0	86.6	
151 Acenaphthene	153	7.975	7.975	0.000	94	573628	80.0	80.5	
152 2,4-Dinitrophenol	184	8.023	8.023	0.000	80	190415	160.0	160.5	
153 4-Nitrophenol	109	8.103	8.103	0.000	80	171162	160.0	181.8	
155 Dibenzofuran	168	8.119	8.119	0.000	80	802990	80.0	81.5	
154 2,4-Dinitrotoluene	165	8.130	8.130	0.000	78	215301	80.0	86.7	
158 2,3,4,6-Tetrachlorophenol	232	8.226	8.226	0.000	63	196635	80.0	83.7	
160 Diethyl phthalate	149	8.338	8.338	0.000	97	572361	80.0	83.9	
161 Fluorene	166	8.397	8.397	0.000	80	640678	80.0	81.3	
162 4-Chlorophenyl phenyl ethe	204	8.408	8.408	0.000	82	341459	80.0	82.3	
164 4-Nitroaniline	138	8.456	8.456	0.000	90	166252	80.0	86.6	
166 4,6-Dinitro-2-methylphenol	198	8.467	8.467	0.000	94	275876	160.0	171.4	
167 N-Nitrosodiphenylamine	169	8.515	8.515	0.000	56	501570	80.0	82.0	
168 1,2-Diphenylhydrazine	77	8.541	8.541	0.000	94	493103	80.0	82.1	
176 4-Bromophenyl phenyl ether	248	8.809	8.809	0.000	48	234767	80.0	82.4	
177 Hexachlorobenzene	284	8.851	8.851	0.000	86	273799	80.0	82.1	
181 Pentachlorophenol	266	9.022	9.022	0.000	81	325596	160.0	176.4	
16 n-Octadecane	57	9.113	9.113	0.000	96	390499	160.0	159.2	
185 Phenanthrene	178	9.188	9.188	0.000	86	954961	80.0	80.4	
188 Anthracene	178	9.231	9.231	0.000	82	969424	80.0	81.5	
189 Carbazole	167	9.369	9.369	0.000	82	885977	80.0	81.2	
192 Di-n-butyl phthalate	149	9.674	9.674	0.000	99	877418	80.0	83.6	
197 Fluoranthene	202	10.160	10.160	0.000	97	1061797	80.0	83.1	
198 Benzidine	184	10.278	10.278	0.000	86	515851	160.0	130.0	
199 Pyrene	202	10.342	10.342	0.000	95	1098726	80.0	81.0	
205 Butyl benzyl phthalate	149	10.897	10.897	0.000	92	386507	80.0	87.8	
208 3,3'-Dichlorobenzidine	252	11.351	11.351	0.000	63	656492	160.0	167.8	
209 Benzo[a]anthracene	228	11.357	11.357	0.000	87	944349	80.0	81.2	
211 Chrysene	228	11.394	11.394	0.000	83	956436	80.0	81.9	
210 Bis(2-ethylhexyl) phthalat	149	11.421	11.421	0.000	91	506159	80.0	83.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
212 Di-n-octyl phthalate	149	12.067	12.067	0.000	98	762835	80.0	85.1	
213 Benzo[b]fluoranthene	252	12.431	12.431	0.000	82	844220	80.0	87.1	
214 Benzo[k]fluoranthene	252	12.457	12.457	0.000	85	952763	80.0	82.7	
217 Benzo[a]pyrene	252	12.778	12.778	0.000	71	755111	80.0	87.7	
219 Indeno[1,2,3-cd]pyrene	276	14.033	14.033	0.000	83	563705	80.0	83.4	
220 Dibenz(a,h)anthracene	278	14.065	14.065	0.000	39	584835	80.0	87.8	
221 Benzo[g,h,i]perylene	276	14.327	14.327	0.000	78	552289	80.0	85.2	
S 78 3-Methylphenol	1				0		80.0	80.3	
S 77 3 & 4 Methylphenol	108				0			80.3	
S 222 Total Cresols	1				0			161.0	

QC Flag Legend

Review Flags
M - Manually Integrated

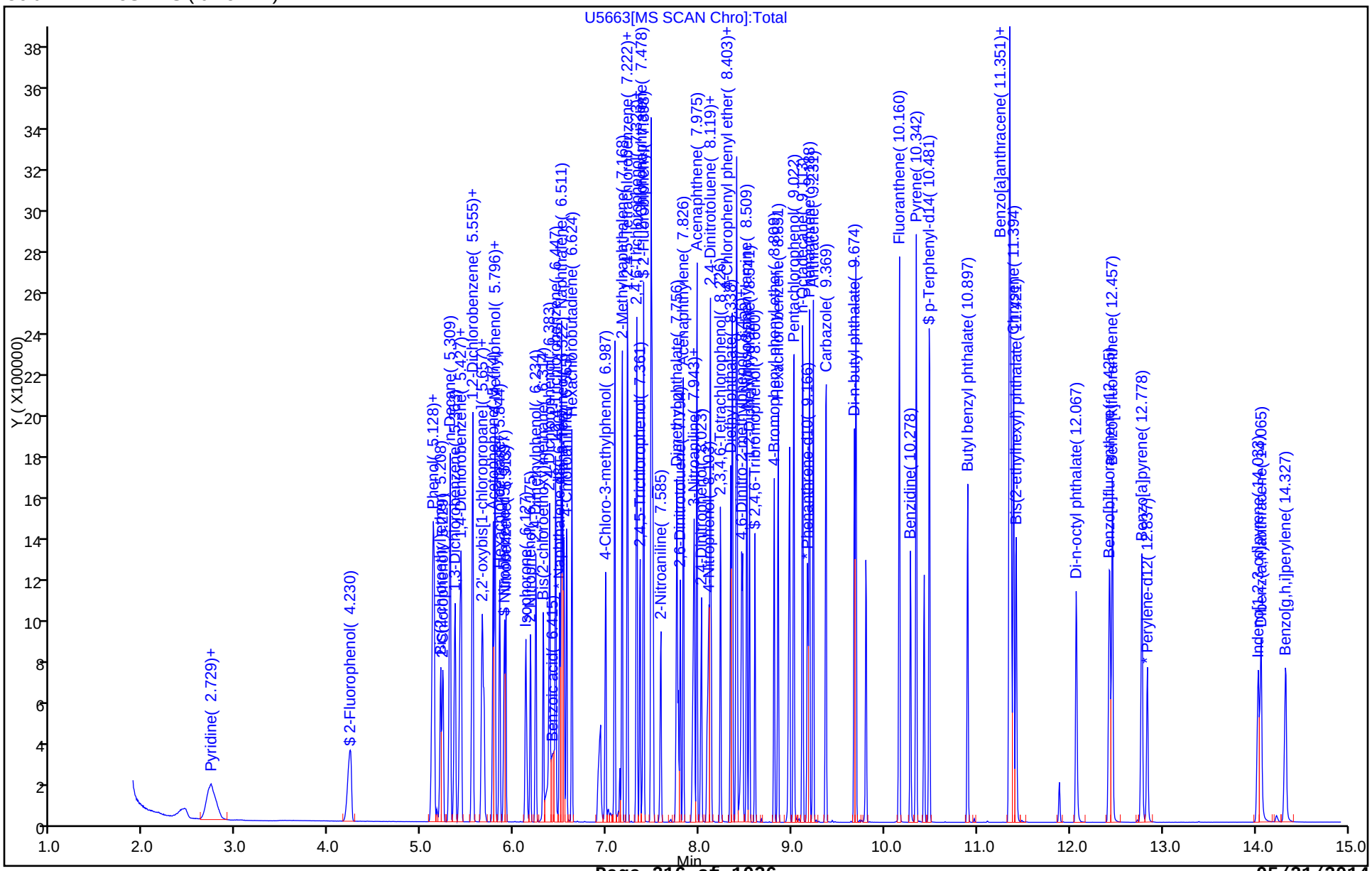
Report Date: 09-May-2014 20:10:27 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5663.D

Injection Date:	09-May-2014 19:52:30	Instrument ID:	HP5973U	Operator ID:	anm
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	U-625	Limit Group:	MB - 625 ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

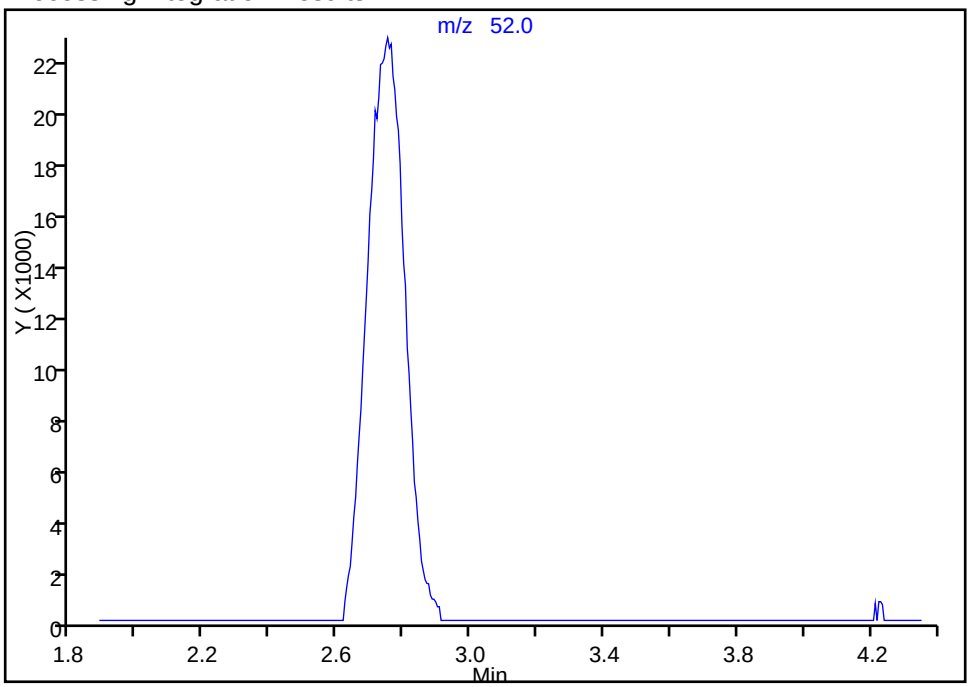
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5663.D				
Injection Date:	09-May-2014 19:52:30	Instrument ID:	HP5973U		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	anm	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	U-625	Limit Group:	MB - 625 ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

82 Pyridine, CAS: 110-86-1

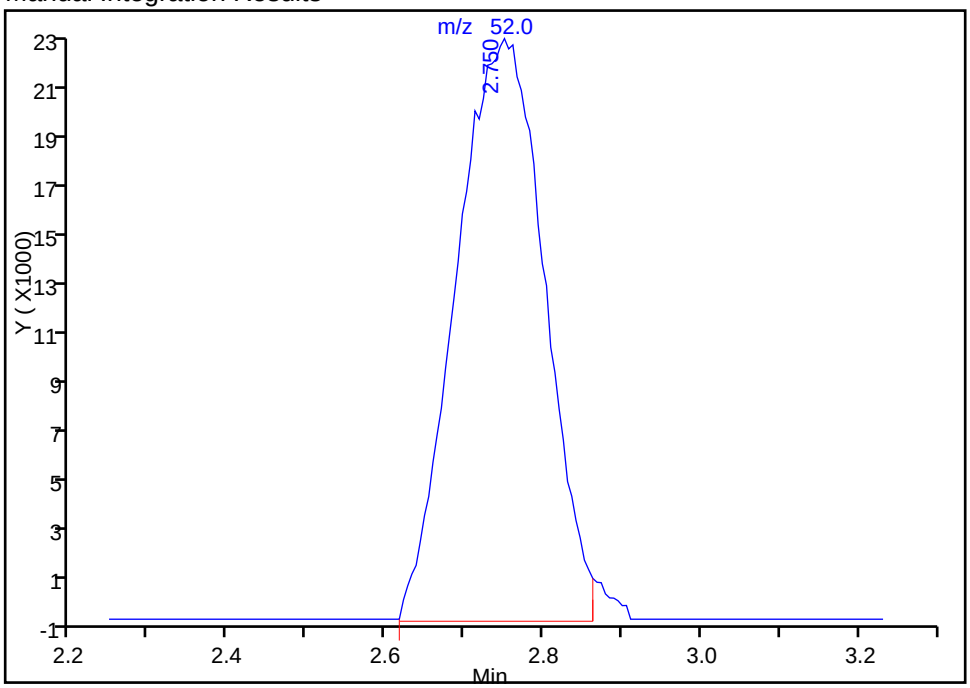
Not Detected
Expected RT: 2.75

Processing Integration Results



Manual Integration Results

RT: 2.75
Response: 173327
Amount: 86.109336



Reviewer: mcgoverna, 09-May-2014 20:10:26
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

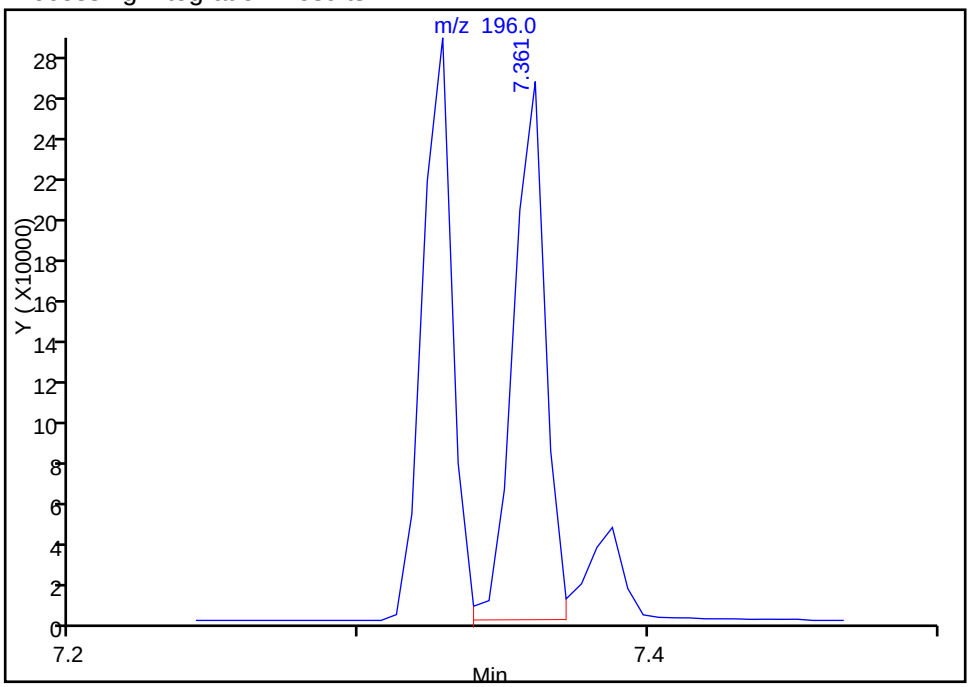
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5663.D				
Injection Date:	09-May-2014 19:52:30	Instrument ID:	HP5973U		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	anm	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	U-625	Limit Group:	MB - 625 ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

140 2,4,5-Trichlorophenol, CAS: 95-95-4

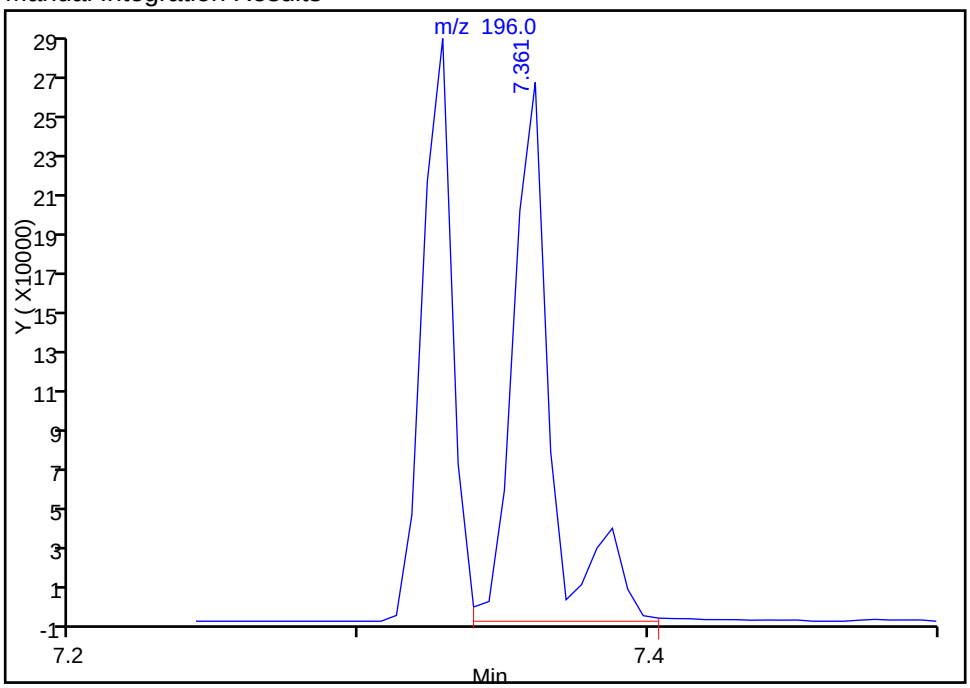
Processing Integration Results

RT: 7.36
Response: 202218
Amount: 70.459852



Manual Integration Results

RT: 7.36
Response: 240776
Amount: 83.894813



Reviewer: mcgoverna, 09-May-2014 20:10:26
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5569.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 06-May-2014 12:04:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0031817-002
Operator ID: anm Instrument ID: HP5973U

Method: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U-625.m
Limit Group: MB - 625 ICAL
Last Update: 07-May-2014 08:31:55 Calib Date: 06-May-2014 16:13:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5578.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: mcgoverna Date: 07-May-2014 08:31:55

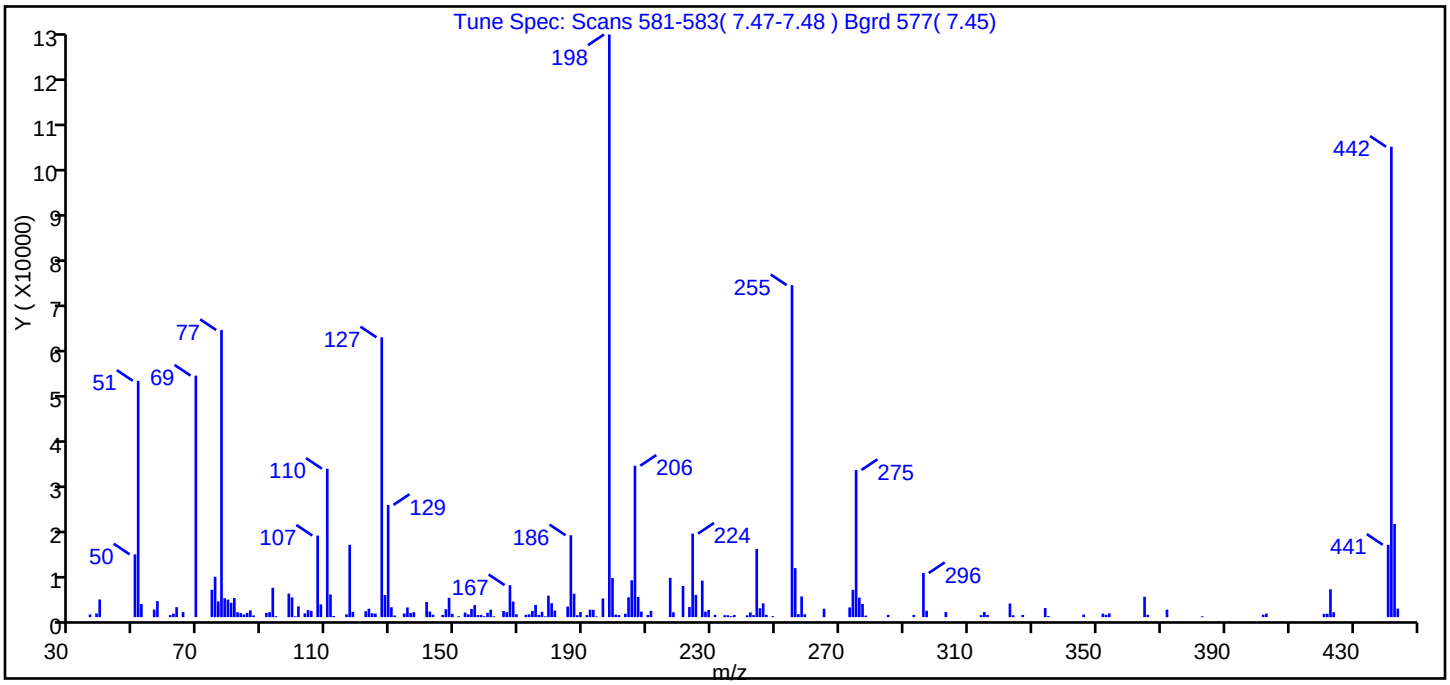
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
225 Pentachlorophenol_T	266	7.050	7.050	0.000	85	112279	NR	NR	
114 DFTPP									
224 Benzidine_T	184	8.477	8.477	0.000	98	793583	NR	NR	
137 4,4'-DDD	235		9.198						
141 4,4'-DDT	235	9.198	9.198	0.000	98	304859	NR	NR	
134 4,4'-DDE	246		10.283						

MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5569.D
Injection Date: 06-May-2014 12:04:30 Instrument ID: HP5973U
Lims ID: DFTPP
Client ID:
Operator ID: anm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Tune Method: DFTPP Method 8270

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.60
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	41.50
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	48.00
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.70
275	10.00 - 30.00% of mass 198	25.30
365	Greater than 1.00% of mass 198	3.50
441	Present, but less than mass 443	12.40 (77.60)
442	Greater than 40.00% of mass 198	80.70
443	17.00 - 23.00% of mass 442	16.00 (19.80)

Data File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5569.D\U-625.rslt\spectra.d
Injection Date: 06-May-2014 12:04:30
Spectrum: Tune Spec: Scans 581-583(7.47-7.48) Bgrd 577(7.45)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 180

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	601	117.00	15911	179.00	4729	247.00	514
38.00	813	118.00	1170	180.00	3048	249.00	226
39.00	3887	122.00	1304	181.00	1440	255.00	73000
49.00	5	123.00	1853	185.00	2324	256.00	10791
50.00	13802	124.00	852	186.00	18008	257.00	661
51.00	51960	125.00	786	187.00	5161	258.00	4553
52.00	2871	127.00	61528	188.00	429	259.00	637
56.00	1672	128.00	4865	189.00	1121	265.00	1843
57.00	3529	129.00	24680	191.00	457	273.00	2132
61.00	449	130.00	2177	192.00	1637	274.00	6013
62.00	778	131.00	368	193.00	1604	275.00	32352
63.00	2195	134.00	798	194.00	166	276.00	4293
65.00	1115	135.00	2136	196.00	4100	277.00	2904
69.00	53112	136.00	887	198.00	128112	278.00	339
74.00	6028	137.00	1095	199.00	8596	285.00	499
75.00	8881	141.00	3338	200.00	559	293.00	475
76.00	3451	142.00	1231	201.00	440	296.00	9700
77.00	63128	143.00	546	203.00	752	297.00	1405
78.00	4148	146.00	492	204.00	4365	303.00	1132
79.00	3853	147.00	1742	205.00	8096	314.00	439
80.00	3171	148.00	4248	206.00	33288	315.00	1130
81.00	4203	149.00	724	207.00	4454	316.00	506
82.00	1074	151.00	197	208.00	1230	323.00	3006
83.00	884	153.00	998	210.00	465	324.00	415
84.00	575	154.00	607	211.00	1381	327.00	482
85.00	948	155.00	1803	217.00	8641	334.00	1992
86.00	1490	156.00	2653	218.00	1072	335.00	228
87.00	381	157.00	450	221.00	6861	346.00	564
91.00	934	158.00	505	223.00	2227	352.00	772
92.00	1092	159.00	190	224.00	18360	353.00	500
93.00	6451	160.00	961	225.00	4906	354.00	825
94.00	205	161.00	1642	227.00	8029	365.00	4482
98.00	5175	162.00	175	228.00	1228	366.00	520

Report Date: 07-May-2014 08:31:55 Chrom Revision: 2.2 14-Apr-2014 13:40:08
Data File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5569.D\U-625.rslt\spectra.d
Injection Date: 06-May-2014 12:04:30
Spectrum: Tune Spec: Scans 581-583(7.47-7.48) Bgrd 577(7.45)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 180

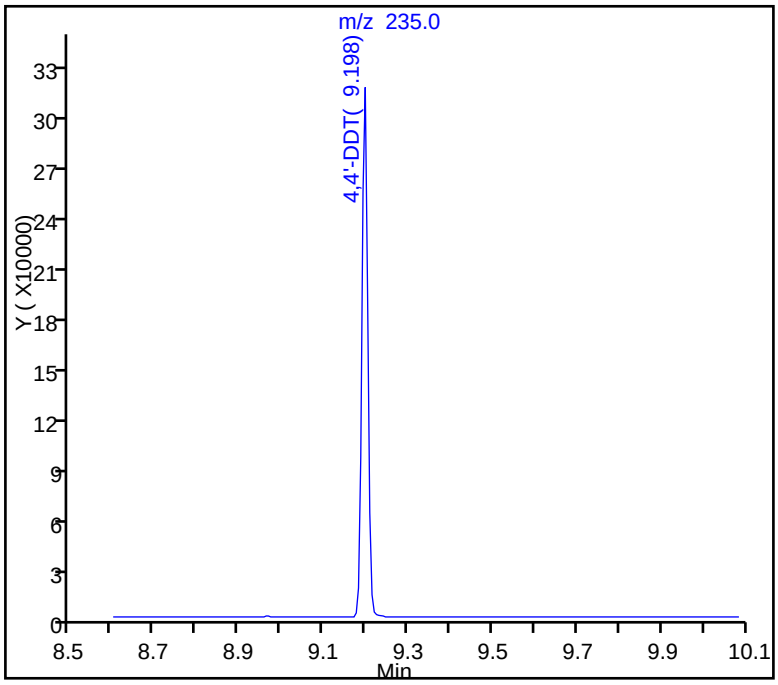
m/z	Y	m/z	Y	m/z	Y	m/z	Y
99.00	4333	165.00	1340	229.00	1577	372.00	1642
100.00	174	166.00	1087	231.00	504	383.00	198
101.00	2364	167.00	7037	234.00	429	402.00	540
103.00	824	168.00	3438	235.00	418	403.00	771
104.00	1547	169.00	646	236.00	197	421.00	731
105.00	1385	172.00	509	237.00	466	422.00	756
107.00	17928	173.00	621	241.00	397	423.00	6126
108.00	2807	174.00	1368	242.00	1029	424.00	1081
110.00	32632	175.00	2678	243.00	445	441.00	15903
111.00	4981	176.00	490	244.00	14978	442.00	103432
112.00	261	177.00	1169	245.00	1955	443.00	20488
116.00	616	178.00	177	246.00	3037	444.00	1869

Breakdown Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5569.D
Injection Date: 06-May-2014 12:04:30 Instrument ID: HP5973U
Lims ID: DFTPP
Client ID:
Operator ID: anm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL

141 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

141 4,4'-DDT, Area = 304859
137 4,4'-DDD, Area = 0
134 4,4'-DDE, Area = 0

%Breakdown: 0.00%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Buffalo

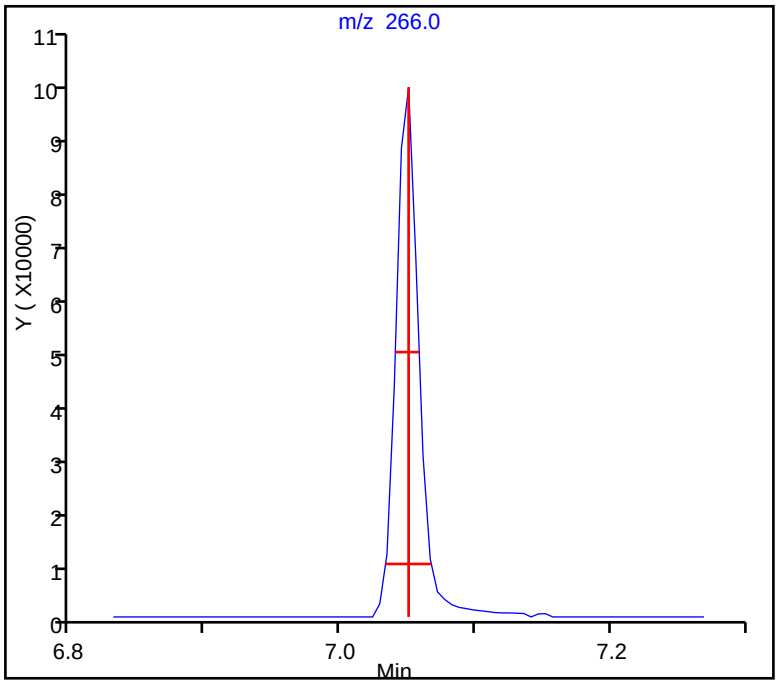
Data File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5569.D
Injection Date: 06-May-2014 12:04:30 Instrument ID: HP5973U
Lims ID: DFTPP
Client ID:
Operator ID: anm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL

225 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 1.0, Max. Tailing < 5.00
Passed



Peak Tailing Report

TestAmerica Buffalo

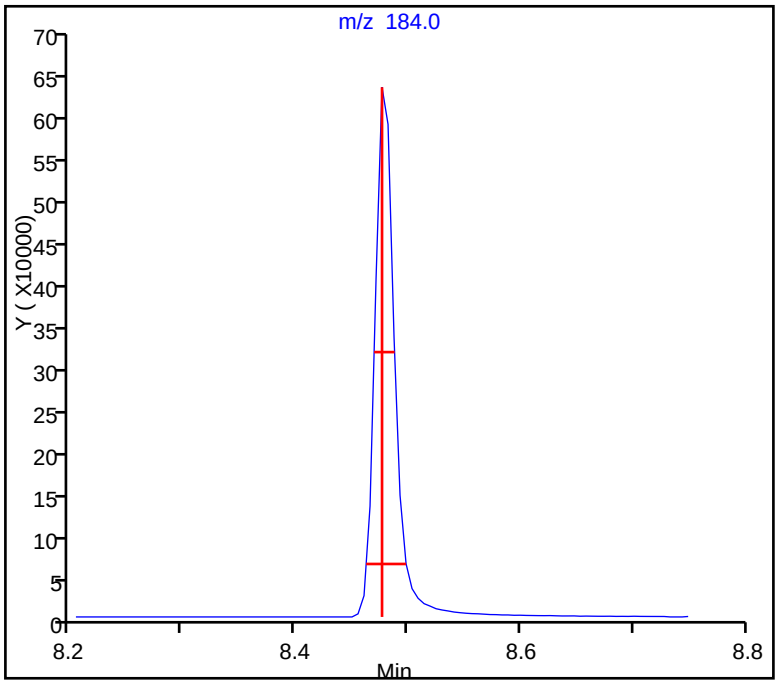
Data File: \\Bufchrom\ChromData\HP5973U\20140506-31817.b\U5569.D
Injection Date: 06-May-2014 12:04:30 Instrument ID: HP5973U
Lims ID: DFTPP
Client ID:
Operator ID: anm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL

224 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.5, Max. Tailing < 3.00
Passed



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5621.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 08-May-2014 10:29:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0031903-002
Operator ID: anm Instrument ID: HP5973U

Method: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U-625.m
Limit Group: MB - 625 ICAL
Last Update: 08-May-2014 13:49:18 Calib Date: 08-May-2014 11:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5624.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: mcgoverna Date: 08-May-2014 13:49:18

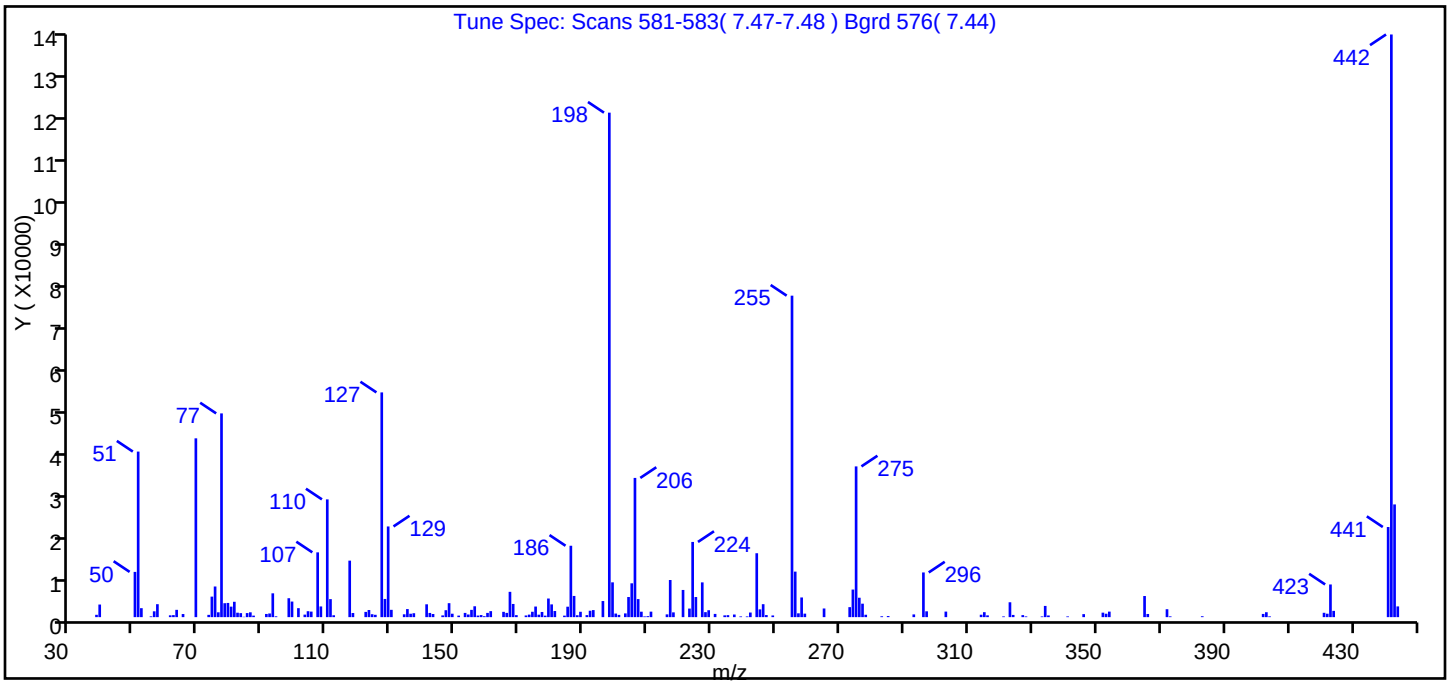
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
225 Pentachlorophenol_T	266	7.045	7.045	0.000	86	143219	NR	NR	
114 DFTPP									
224 Benzidine_T	184	8.477	8.477	0.000	98	776721	NR	NR	
137 4,4'-DDD	235	8.931	8.931	0.000	1	799		NR	
141 4,4'-DDT	235	9.192	9.192	0.000	96	359890	NR	NR	
134 4,4'-DDE	246		10.283						

MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5621.D
Injection Date: 08-May-2014 10:29:30 Instrument ID: HP5973U
Lims ID: DFTPP
Client ID:
Operator ID: anm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Tune Method: DFTPP Method 8270

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	32.80
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	35.40
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	44.50
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.90
275	10.00 - 30.00% of mass 198	29.90
365	Greater than 1.00% of mass 198	4.20
441	Present, but less than mass 443	17.90 (80.00)
442	Greater than 40.00% of mass 198	115.50
443	17.00 - 23.00% of mass 442	22.30 (19.30)

Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5621.D\U-625.rslt\spectra.d
Injection Date: 08-May-2014 10:29:30
Spectrum: Tune Spec: Scans 581-583(7.47-7.48) Bgrd 576(7.44)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 184

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	560	123.00	1708	187.00	5080	259.00	839
39.00	3021	124.00	699	188.00	460	265.00	2075
50.00	10845	125.00	563	189.00	1285	273.00	2396
51.00	39680	127.00	53864	191.00	486	274.00	6611
52.00	2149	128.00	4361	192.00	1537	275.00	36128
55.00	185	129.00	21736	193.00	1691	276.00	4651
56.00	1398	130.00	1753	196.00	3860	277.00	3227
57.00	3104	134.00	682	198.00	120912	278.00	574
61.00	436	135.00	1936	199.00	8341	283.00	208
62.00	487	136.00	817	200.00	857	285.00	262
63.00	1751	137.00	940	201.00	540	293.00	656
65.00	746	141.00	3078	203.00	896	296.00	10713
69.00	42856	142.00	1006	204.00	4822	297.00	1398
73.00	549	143.00	751	205.00	8109	303.00	1332
74.00	4919	146.00	417	206.00	33368	314.00	577
75.00	7346	147.00	1661	207.00	4329	315.00	1188
76.00	1159	148.00	3347	208.00	1306	316.00	428
77.00	48832	149.00	822	209.00	168	321.00	171
78.00	3339	151.00	369	210.00	235	323.00	3565
79.00	3403	153.00	1016	211.00	1318	324.00	532
80.00	2518	154.00	630	216.00	664	327.00	485
81.00	3683	155.00	1744	217.00	8901	328.00	171
82.00	1062	156.00	2605	218.00	1146	333.00	166
83.00	961	157.00	380	221.00	6516	334.00	2688
84.00	84	158.00	499	223.00	2054	335.00	400
85.00	974	159.00	220	224.00	18024	341.00	172
86.00	1158	160.00	1015	225.00	4823	346.00	722
87.00	364	161.00	1439	227.00	8331	352.00	1075
91.00	764	165.00	1273	228.00	1197	353.00	816
92.00	879	166.00	1018	229.00	1657	354.00	1328
93.00	5709	167.00	6066	231.00	775	365.00	5063
94.00	196	168.00	3160	234.00	427	366.00	759
98.00	4534	169.00	481	235.00	475	372.00	1901

Report Date: 08-May-2014 13:49:19 Chrom Revision: 2.2 14-Apr-2014 13:40:08
Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5621.D\U-625.rslt\spectra.d
Injection Date: 08-May-2014 10:29:30
Spectrum: Tune Spec: Scans 581-583(7.47-7.48) Bgrd 576(7.44)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 184

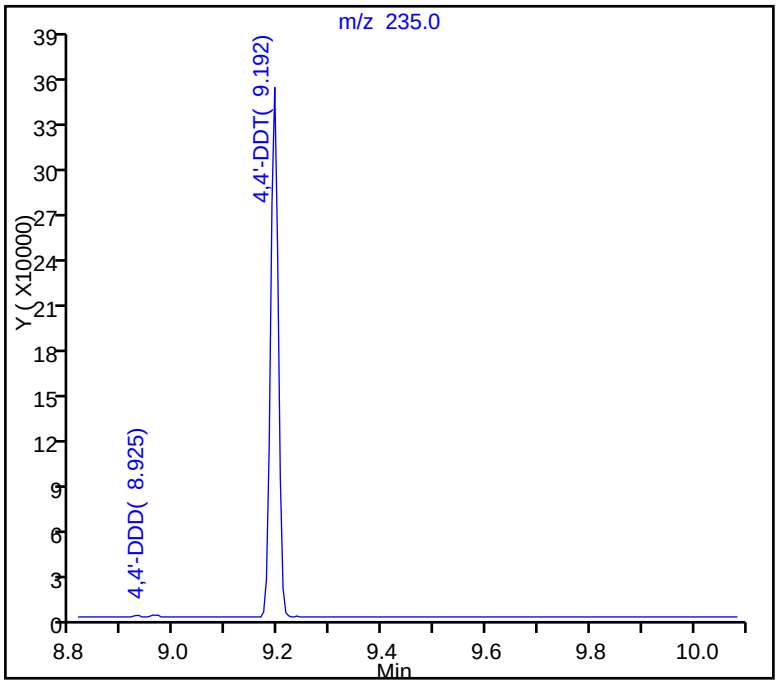
m/z	Y	m/z	Y	m/z	Y	m/z	Y
99.00	3735	172.00	401	237.00	630	373.00	185
101.00	2152	173.00	602	239.00	172	383.00	214
103.00	604	174.00	1289	241.00	168	402.00	769
104.00	1420	175.00	2541	242.00	1104	403.00	1180
105.00	1329	176.00	587	244.00	15316	404.00	184
107.00	15528	177.00	1240	245.00	1862	421.00	1042
108.00	2564	178.00	359	246.00	3105	422.00	822
110.00	28224	179.00	4463	247.00	501	423.00	7833
111.00	4318	180.00	3058	249.00	404	424.00	1500
112.00	451	181.00	1466	255.00	77048	441.00	21600
117.00	13542	184.00	361	256.00	10910	442.00	139648
118.00	990	185.00	2503	257.00	914	443.00	27016
122.00	1257	186.00	17112	258.00	4718	444.00	2573

Breakdown Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5621.D
Injection Date: 08-May-2014 10:29:30 Instrument ID: HP5973U
Lims ID: DFTPP
Client ID:
Operator ID: anm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL

141 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

141 4,4'-DDT, Area = 359890
137 4,4'-DDD, Area = 799
134 4,4'-DDE, Area = 0

%Breakdown: 0.22%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Buffalo

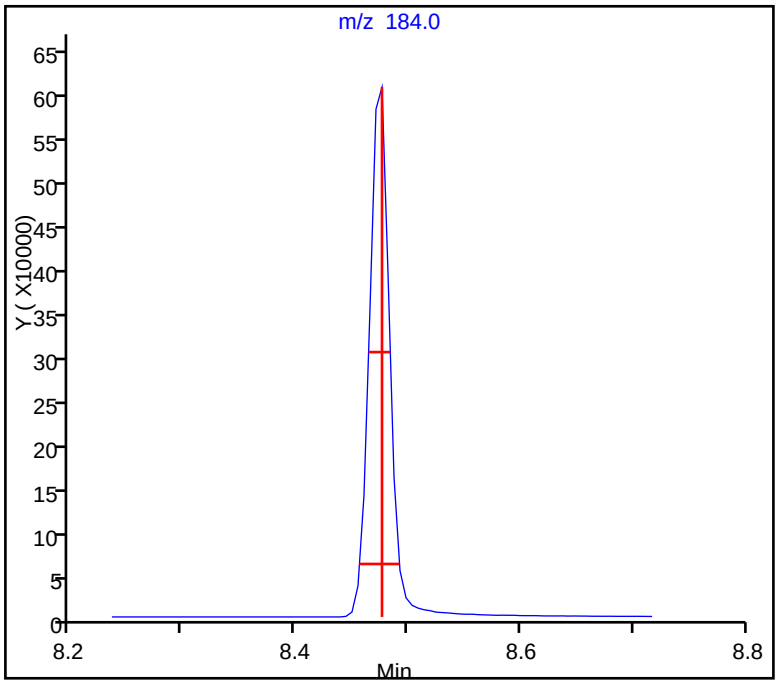
Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5621.D
Injection Date: 08-May-2014 10:29:30 Instrument ID: HP5973U
Lims ID: DFTPP
Client ID:
Operator ID: anm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL

224 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.020 (min.)

Tailing Factor = 0.8, Max. Tailing < 3.00
Passed



Peak Tailing Report

TestAmerica Buffalo

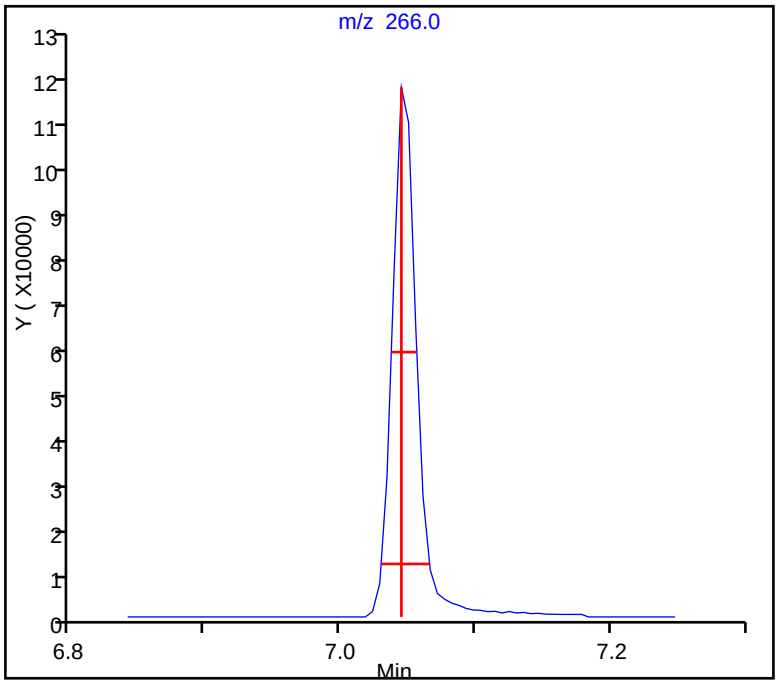
Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5621.D
Injection Date: 08-May-2014 10:29:30 Instrument ID: HP5973U
Lims ID: DFTPP
Client ID:
Operator ID: anm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL

225 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.4, Max. Tailing < 5.00
Passed



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5653.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 09-May-2014 15:56:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0031947-002
Operator ID: anm Instrument ID: HP5973U

Method: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U-625.m
Limit Group: MB - 625 ICAL
Last Update: 09-May-2014 20:10:41 Calib Date: 09-May-2014 17:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5657.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: mcgoverna Date: 09-May-2014 20:10:41

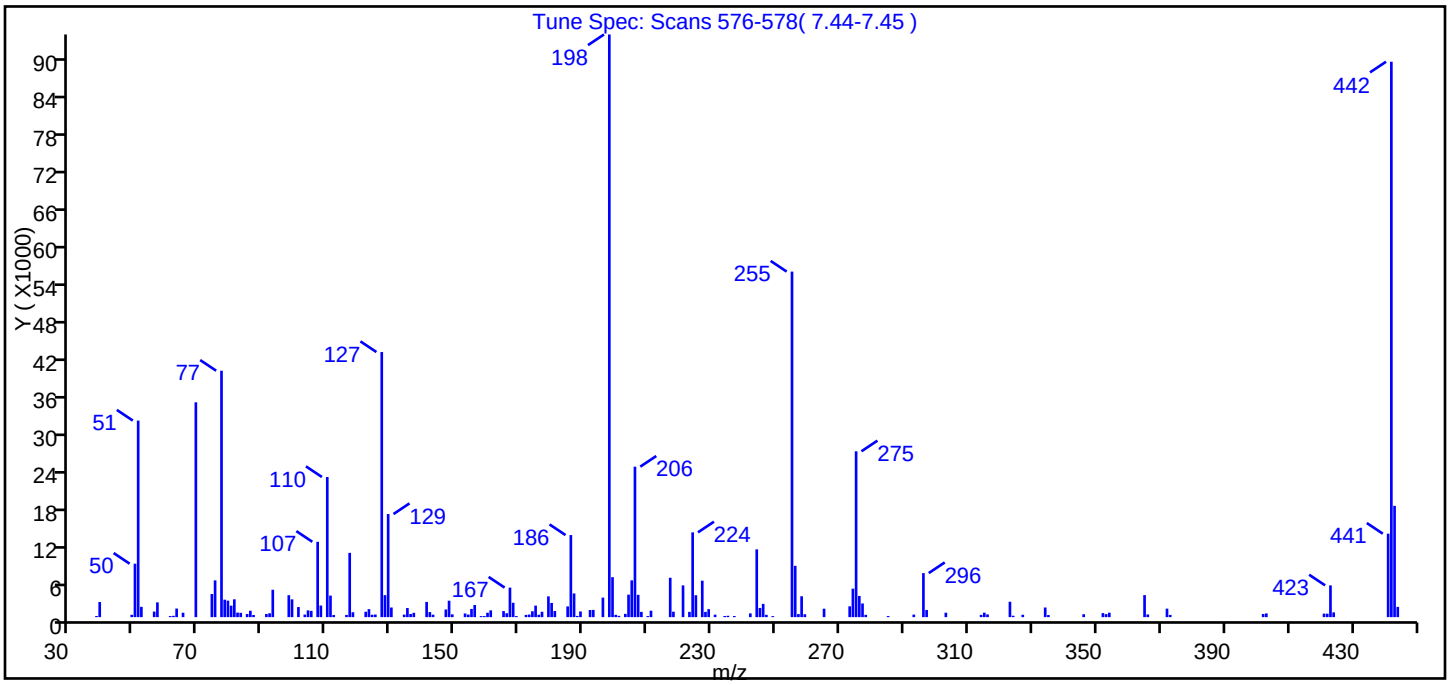
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
225 Pentachlorophenol_T	266	7.023	7.023	0.000	85	89584	NR	NR	
114 DFTPP									
224 Benzidine_T	184	8.450	8.450	0.000	98	614566	NR	NR	
137 4,4'-DDD	235	8.904	8.904	0.000	1	674		NR	
141 4,4'-DDT	235	9.166	9.166	0.000	98	255669	NR	NR	
134 4,4'-DDE	246		10.283						

MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5653.D
Injection Date: 09-May-2014 15:56:30 Instrument ID: HP5973U
Lims ID: DFTPP
Client ID:
Operator ID: anm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Tune Method: DFTPP Method 8270

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	33.70
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	36.90
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	45.50
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.90
275	10.00 - 30.00% of mass 198	28.50
365	Greater than 1.00% of mass 198	3.80
441	Present, but less than mass 443	14.30 (75.00)
442	Greater than 40.00% of mass 198	95.30
443	17.00 - 23.00% of mass 442	19.10 (20.00)

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5653.D\U-625.rslt\spectra.d
Injection Date: 09-May-2014 15:56:30
Spectrum: Tune Spec: Scans 576-578(7.44-7.45)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 164

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	186	118.00	789	185.00	1728	257.00	494
39.00	2431	122.00	873	186.00	13209	258.00	3361
49.00	376	123.00	1284	187.00	3815	259.00	464
50.00	8600	124.00	384	188.00	195	265.00	1361
51.00	31632	125.00	421	189.00	914	273.00	1741
52.00	1655	127.00	42664	192.00	1152	274.00	4584
56.00	898	128.00	3540	193.00	1164	275.00	26688
57.00	2375	129.00	16592	196.00	3141	276.00	3411
61.00	177	130.00	1552	198.00	93768	277.00	2199
62.00	217	134.00	407	199.00	6431	278.00	374
63.00	1383	135.00	1466	200.00	369	285.00	174
65.00	712	136.00	509	201.00	209	293.00	412
69.00	34576	137.00	697	203.00	527	296.00	7090
74.00	3720	141.00	2447	204.00	3622	297.00	1157
75.00	5915	142.00	813	205.00	5920	303.00	716
77.00	39656	143.00	396	206.00	24216	314.00	362
78.00	2813	147.00	1233	207.00	3592	315.00	724
79.00	2657	148.00	2644	208.00	849	316.00	442
80.00	1847	149.00	449	210.00	171	323.00	2480
81.00	2870	153.00	590	211.00	1038	324.00	227
82.00	730	154.00	412	217.00	6339	327.00	384
83.00	696	155.00	1322	218.00	878	334.00	1552
85.00	509	156.00	1949	221.00	5111	335.00	338
86.00	1033	158.00	171	223.00	848	346.00	468
87.00	349	159.00	170	224.00	13645	352.00	653
91.00	506	160.00	707	225.00	3534	353.00	489
92.00	620	161.00	1093	227.00	5866	354.00	716
93.00	4406	165.00	977	228.00	847	365.00	3546
98.00	3530	166.00	631	229.00	1283	366.00	435
99.00	2862	167.00	4754	231.00	399	372.00	1368
101.00	1625	168.00	2309	234.00	180	373.00	357
103.00	415	169.00	170	235.00	219	402.00	509
104.00	1090	172.00	360	237.00	184	403.00	601

Report Date: 09-May-2014 20:10:41 Chrom Revision: 2.2 14-Apr-2014 13:40:08
Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5653.D\U-625.rslt\spectra.d
Injection Date: 09-May-2014 15:56:30
Spectrum: Tune Spec: Scans 576-578(7.44-7.45)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 164

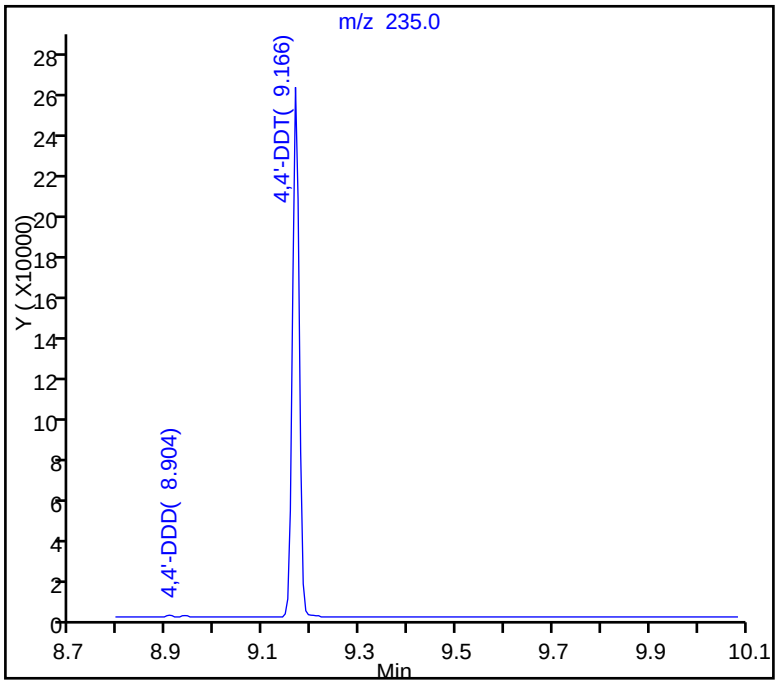
m/z	Y	m/z	Y	m/z	Y	m/z	Y
105.00	1011	173.00	416	242.00	605	421.00	572
107.00	12125	174.00	950	244.00	10910	422.00	555
108.00	1869	175.00	1854	245.00	1478	423.00	5112
110.00	22552	176.00	386	246.00	2137	424.00	767
111.00	3469	177.00	868	247.00	373	441.00	13429
112.00	339	179.00	3345	249.00	167	442.00	89384
116.00	355	180.00	2283	255.00	55608	443.00	17912
117.00	10344	181.00	986	256.00	8255	444.00	1651

Breakdown Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5653.D
Injection Date: 09-May-2014 15:56:30 Instrument ID: HP5973U
Lims ID: DFTPP
Client ID:
Operator ID: anm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL

141 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

141 4,4'-DDT, Area = 255669
137 4,4'-DDD, Area = 674
134 4,4'-DDE, Area = 0

%Breakdown: 0.26%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Buffalo

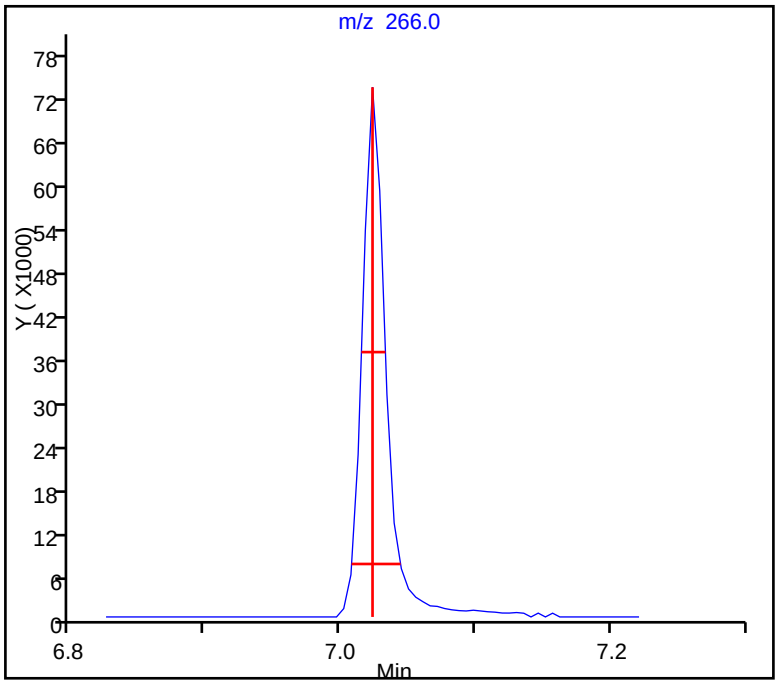
Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5653.D
Injection Date: 09-May-2014 15:56:30 Instrument ID: HP5973U
Lims ID: DFTPP
Client ID:
Operator ID: anm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL

225 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.3, Max. Tailing < 5.00
Passed



Peak Tailing Report

TestAmerica Buffalo

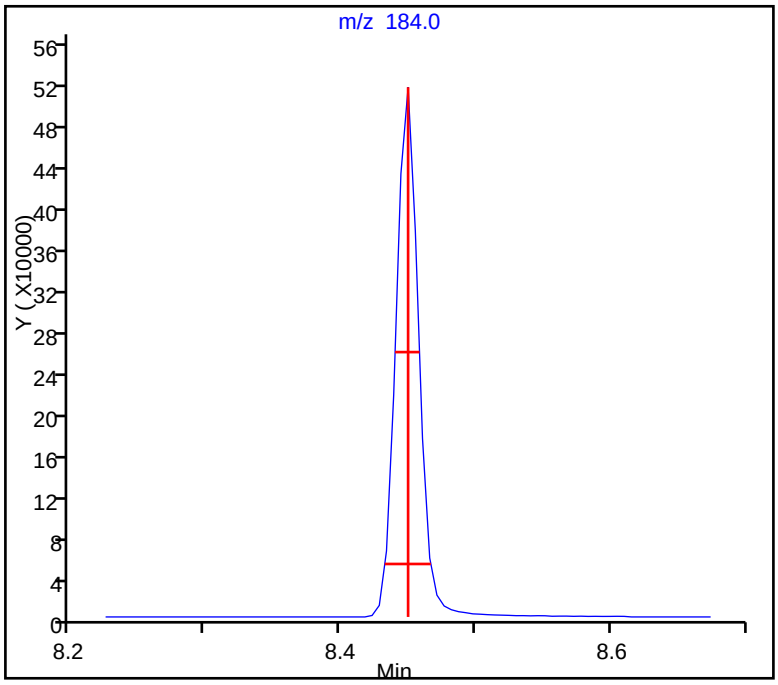
Data File: \\Bufchrom\ChromData\HP5973U\20140509-31947.b\U5653.D
Injection Date: 09-May-2014 15:56:30 Instrument ID: HP5973U
Lims ID: DFTPP
Client ID:
Operator ID: anm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL

224 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 1.0, Max. Tailing < 3.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-59386-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-180801/1-A

Matrix: Water | Lab File ID: U5636.D

Analysis Method: 625 | Date Collected:

Extract. Method: 625 | Date Extracted: 05/08/2014 06:53

Sample wt/vol: 1000(mL) | Date Analyzed: 05/09/2014 08:54

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

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

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

Analysis Batch No.: 180910 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	ND		10	0.49
95-50-1	1,2-Dichlorobenzene	ND		10	0.15
122-66-7	1,2-Diphenylhydrazine	ND		10	0.063
541-73-1	1,3-Dichlorobenzene	ND		10	0.069
106-46-7	1,4-Dichlorobenzene	ND		10	0.090
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.23
120-83-2	2,4-Dichlorophenol	ND		5.0	0.30
105-67-9	2,4-Dimethylphenol	ND		5.0	0.13
51-28-5	2,4-Dinitrophenol	ND		10	0.84
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.26
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.72
91-58-7	2-Chloronaphthalene	ND		5.0	0.068
95-57-8	2-Chlorophenol	ND		5.0	0.16
88-75-5	2-Nitrophenol	ND		5.0	0.14
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.82
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	0.76
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.11
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.56
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.21
100-02-7	4-Nitrophenol	ND		10	1.3
83-32-9	Acenaphthene	ND		5.0	0.060
208-96-8	Acenaphthylene	ND		5.0	0.034
120-12-7	Anthracene	ND		5.0	0.052
92-87-5	Benzidine	ND		80	2.5
56-55-3	Benzo[a]anthracene	ND		5.0	0.043
50-32-8	Benzo[a]pyrene	ND		5.0	0.058
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.062
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.10
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.042
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.086
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.085
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	1.1
117-81-7	Bis(2-ethylhexyl) phthalate	ND		10	0.86
85-68-7	Butyl benzyl phthalate	ND		5.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-59386-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-180801/1-A

Matrix: Water | Lab File ID: U5636.D

Analysis Method: 625 | Date Collected:

Extract. Method: 625 | Date Extracted: 05/08/2014 06:53

Sample wt/vol: 1000(mL) | Date Analyzed: 05/09/2014 08:54

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

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

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

Analysis Batch No.: 180910 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
218-01-9	Chrysene	ND		5.0	0.036
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.055
84-66-2	Diethyl phthalate	ND		5.0	0.17
131-11-3	Dimethyl phthalate	ND		5.0	0.17
84-74-2	Di-n-butyl phthalate	ND		5.0	0.94
117-84-0	Di-n-octyl phthalate	ND		5.0	4.5
206-44-0	Fluoranthene	ND		5.0	0.11
86-73-7	Fluorene	ND		5.0	0.043
118-74-1	Hexachlorobenzene	ND		5.0	0.28
87-68-3	Hexachlorobutadiene	ND		5.0	0.62
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.45
67-72-1	Hexachloroethane	ND		5.0	0.48
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.19
78-59-1	Isophorone	ND		5.0	0.16
91-20-3	Naphthalene	ND		5.0	0.080
98-95-3	Nitrobenzene	ND		5.0	0.11
62-75-9	N-Nitrosodimethylamine	ND		10	0.96
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.23
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.40
87-86-5	Pentachlorophenol	ND		10	0.41
85-01-8	Phenanthrene	ND		5.0	0.071
108-95-2	Phenol	ND		5.0	0.12
129-00-0	Pyrene	ND		5.0	0.041

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	83		52-151
321-60-8	2-Fluorobiphenyl	83		44-120
367-12-4	2-Fluorophenol	45		17-120
4165-60-0	Nitrobenzene-d5	75		42-120
4165-62-2	Phenol-d5	32		10-120
1718-51-0	p-Terphenyl-d14	112		22-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5636.D
Lims ID: MB 480-180801/1-A
Client ID:
Sample Type: MB
Inject. Date: 09-May-2014 08:54:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0031903-017
Operator ID: anm Instrument ID: HP5973U

Method: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U-625.m
Limit Group: MB - 625 ICAL
Last Update: 09-May-2014 09:11:47 Calib Date: 08-May-2014 11:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5624.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: mcgoverna Date: 09-May-2014 09:11:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.422	5.422	0.000	93	195391	40.0	40.0	
* 2 Naphthalene-d8	136	6.501	6.501	0.000	97	644586	40.0	40.0	
* 3 Acenaphthene-d10	164	7.954	7.954	0.000	76	351618	40.0	40.0	
* 4 Phenanthrene-d10	188	9.172	9.177	-0.005	91	554603	40.0	40.0	
* 5 Chrysene-d12	240	11.378	11.378	0.000	79	587460	40.0	40.0	
* 6 Perylene-d12	264	12.853	12.853	0.000	80	420940	40.0	40.0	
$ 9 2-Fluorophenol	112	4.246	4.246	0.000	82	132674	50.0	22.4	
$ 10 Phenol-d5	99	5.123	5.138	-0.016	57	106903	50.0	16.0	
$ 11 Nitrobenzene-d5	82	5.897	5.908	-0.011	83	198857	50.0	37.3	
$ 12 2-Fluorobiphenyl	172	7.404	7.414	-0.010	99	463353	50.0	41.4	
$ 13 2,4,6-Tribromophenol	330	8.600	8.616	-0.016	86	70904	50.0	41.6	
$ 14 p-Terphenyl-d14	244	10.497	10.497	0.000	97	609188	50.0	55.9	
81 N-Nitrosodimethylamine	42		2.761						
82 Pyridine	52		2.788						
89 Phenol	94		5.149						
90 Aniline	93		5.149						
91 Bis(2-chloroethyl)ether	93		5.219						
93 2-Chlorophenol	128		5.245						
20 n-Decane	57	5.315	5.325	-0.010	25	2041		0.4749	
94 1,3-Dichlorobenzene	146		5.379						
95 1,4-Dichlorobenzene	146		5.443						
96 Benzyl alcohol	108	5.555	5.566	-0.011	10	1275		0.3778	
97 1,2-Dichlorobenzene	146		5.571						
98 2-Methylphenol	108		5.667						
99 2,2'-oxybis[1-chloropropan	45		5.683						
104 Acetophenone	105	5.774	5.785	-0.011	19	902		0.1274	
102 4-Methylphenol	108		5.806						
101 N-Nitrosodi-n-propylamine	70		5.806						
106 Hexachloroethane	117		5.854						
107 Nitrobenzene	77		5.924						
46 2,4-Dichlorotoluene	125		6.116						
110 Isophorone	82		6.137						

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
111 2-Nitrophenol	139		6.191						
53 1,3,5-Trichlorobenzene	180		6.196						
112 2,4-Dimethylphenol	107		6.250						
115 Bis(2-chloroethoxy)methane	93		6.330						
117 2,4-Dichlorophenol	162		6.394						
119 Benzoic acid	105		6.437						
120 1,2,4-Trichlorobenzene	180		6.458						
66 4-Chlorophenol	128		6.506						
121 Naphthalene	128		6.522						
122 Alpha-Terpineol	59		6.549						
123 4-Chloroaniline	127		6.581						
124 2,6-Dichlorophenol	162		6.581						
126 Hexachlorobutadiene	225		6.634						
131 4-Chloro-3-methylphenol	107		7.003						
43 2,4,5-Trichlorotoluene	159		7.067						
133 2-Methylnaphthalene	142		7.179						
136 Hexachlorocyclopentadiene	237		7.233						
138 1,2,4,5-Tetrachlorobenzene	216		7.238						
223 2,3-Dichlorobenzenamine	161		7.334						
139 2,4,6-Trichlorophenol	196		7.339						
140 2,4,5-Trichlorophenol	196		7.372						
35 1,2,3,4 -Tetrachlorobenzen	216		7.473						
143 2-Chloronaphthalene	162		7.500						
145 2-Nitroaniline	65		7.596						
146 1,4-Dinitrobenzene	168		7.708						
147 Dimethyl phthalate	163		7.772						
148 2,6-Dinitrotoluene	165		7.810						
149 Acenaphthylene	152		7.842						
150 3-Nitroaniline	138		7.948						
151 Acenaphthene	153		7.986						
152 2,4-Dinitrophenol	184		8.039						
153 4-Nitrophenol	109		8.114						
155 Dibenzofuran	168		8.130						
154 2,4-Dinitrotoluene	165		8.141						
159 2-Naphthylamine	143		8.194						
158 2,3,4,6-Tetrachlorophenol	232		8.242						
160 Diethyl phthalate	149		8.349						
161 Fluorene	166		8.413						
162 4-Chlorophenyl phenyl ethe	204		8.424						
29 Tributyl phosphate	99		8.445						
164 4-Nitroaniline	138		8.467						
166 4,6-Dinitro-2-methylphenol	198		8.477						
167 N-Nitrosodiphenylamine	169		8.525						
168 1,2-Diphenylhydrazine	77		8.552						
176 4-Bromophenyl phenyl ether	248		8.825						
177 Hexachlorobenzene	284		8.867						
181 Pentachlorophenol	266		9.033						
182 4-Aminobiphenyl	169		9.033						
16 n-Octadecane	57		9.129						
185 Phenanthrene	178		9.204						
188 Anthracene	178		9.247						
189 Carbazole	167		9.380						

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
79 2-Methylanthracene	192		9.653						
192 Di-n-butyl phthalate	149		9.690						
197 Fluoranthene	202		10.176						
198 Benzidine	184		10.294						
199 Pyrene	202		10.358						
205 Butyl benzyl phthalate	149		10.913						
207 2-Acetylaminofluorene	181		11.111						
208 3,3'-Dichlorobenzidine	252		11.368						
209 Benzo[a]anthracene	228		11.373						
211 Chrysene	228		11.410						
210 Bis(2-ethylhexyl) phthalat	149		11.437						
212 Di-n-octyl phthalate	149		12.089						
213 Benzo[b]fluoranthene	252		12.452						
214 Benzo[k]fluoranthene	252		12.484						
39 Benzo[e]pyrene	252		12.484						
217 Benzo[a]pyrene	252		12.799						
218 3-Methylcholanthrene	252		13.205						
219 Indeno[1,2,3-cd]pyrene	276		14.060						
220 Dibenz(a,h)anthracene	278		14.092						
221 Benzo[g,h,i]perylene	276		14.359						
69 4,4'-Methylene bis(2-chlor	1		0.000						
24 Dibenzo[a,e]pyrene	1		0.000						
S 222 Total Cresols	1		0.000						
S 77 3 & 4 Methylphenol	108		0.000						
S 78 3-Methylphenol	1		0.000						
T 226 2,3,7,8-TCDD	1		0.000						

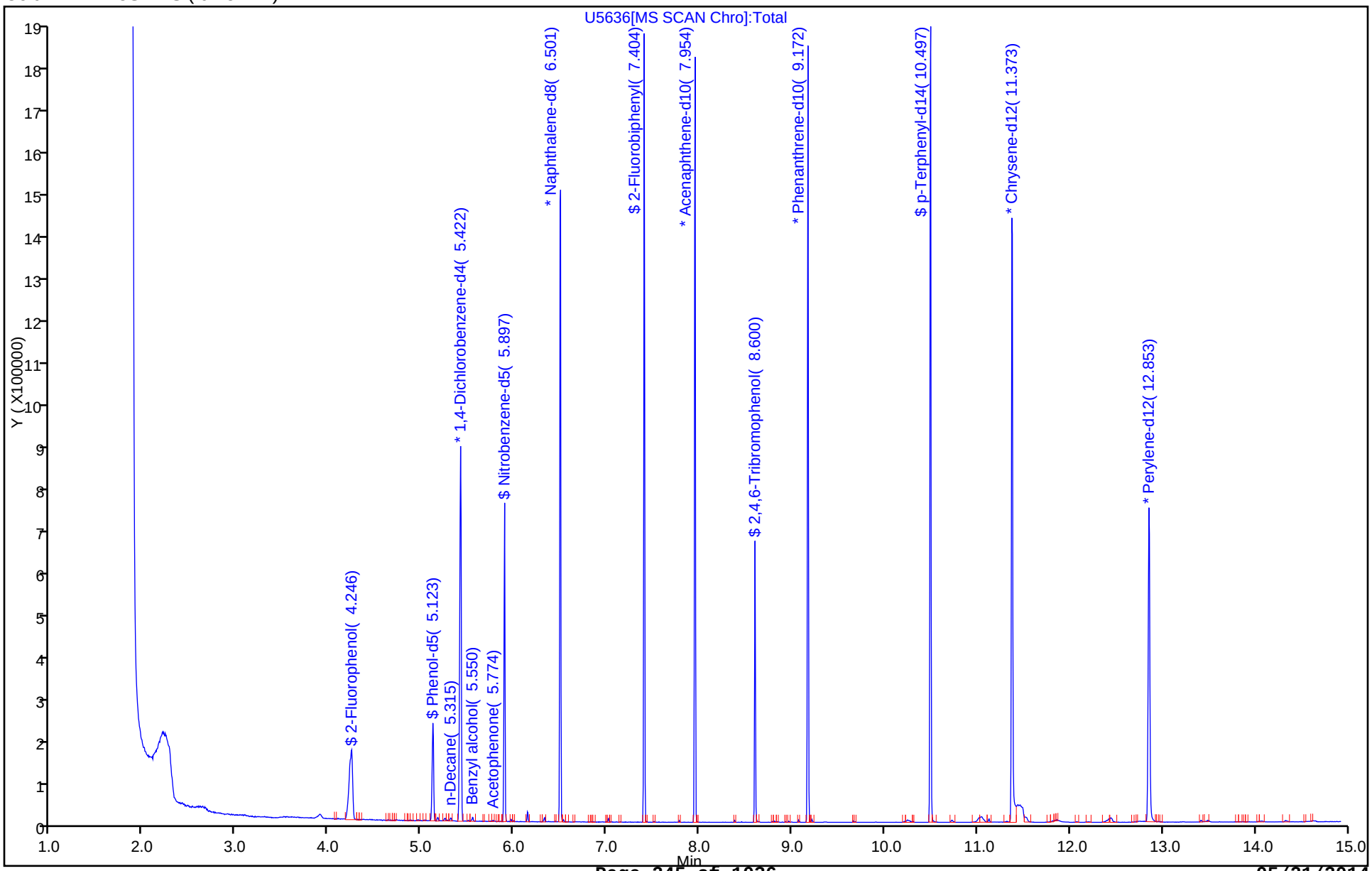
Report Date: 09-May-2014 09:11:47 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5636.D

Injection Date:	09-May-2014 08:54:30	Instrument ID:	HP5973U	Operator ID:	anm
Lims ID:	MB 480-180801/1-A			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	U-625	Limit Group:	MB - 625 ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-59386-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-180801/2-A

Matrix: Water | Lab File ID: U5637.D

Analysis Method: 625 | Date Collected:

Extract. Method: 625 | Date Extracted: 05/08/2014 06:53

Sample wt/vol: 1000(mL) | Date Analyzed: 05/09/2014 09:17

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

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

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

Analysis Batch No.: 180910 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	36.1		10	0.49
95-50-1	1,2-Dichlorobenzene	30.6		10	0.15
122-66-7	1,2-Diphenylhydrazine	47.3		10	0.063
541-73-1	1,3-Dichlorobenzene	27.7		10	0.069
106-46-7	1,4-Dichlorobenzene	28.7		10	0.090
88-06-2	2,4,6-Trichlorophenol	51.6		5.0	0.23
120-83-2	2,4-Dichlorophenol	43.6		5.0	0.30
105-67-9	2,4-Dimethylphenol	42.5		5.0	0.13
51-28-5	2,4-Dinitrophenol	67.9		10	0.84
121-14-2	2,4-Dinitrotoluene	51.1		5.0	0.26
606-20-2	2,6-Dinitrotoluene	49.2		5.0	0.72
91-58-7	2-Chloronaphthalene	48.6		5.0	0.068
95-57-8	2-Chlorophenol	38.3		5.0	0.16
88-75-5	2-Nitrophenol	42.9		5.0	0.14
91-94-1	3,3'-Dichlorobenzidine	97.3		5.0	0.82
534-52-1	4,6-Dinitro-2-methylphenol	88.2		10	0.76
101-55-3	4-Bromophenyl phenyl ether	53.2		5.0	0.11
59-50-7	4-Chloro-3-methylphenol	46.5		5.0	0.56
7005-72-3	4-Chlorophenyl phenyl ether	52.7		5.0	0.21
100-02-7	4-Nitrophenol	48.5		10	1.3
83-32-9	Acenaphthene	48.2		5.0	0.060
208-96-8	Acenaphthylene	49.6		5.0	0.034
120-12-7	Anthracene	54.2		5.0	0.052
92-87-5	Benzidine	19.3	J	80	2.5
56-55-3	Benzo[a]anthracene	57.8		5.0	0.043
50-32-8	Benzo[a]pyrene	58.9		5.0	0.058
205-99-2	Benzo[b]fluoranthene	56.7		5.0	0.062
191-24-2	Benzo[g,h,i]perylene	59.3		5.0	0.10
207-08-9	Benzo[k]fluoranthene	52.7		5.0	0.042
108-60-1	bis (2-chloroisopropyl) ether	36.6		5.0	0.086
111-91-1	Bis(2-chloroethoxy)methane	41.9		5.0	0.085
111-44-4	Bis(2-chloroethyl)ether	39.1		5.0	1.1
117-81-7	Bis(2-ethylhexyl) phthalate	57.7		10	0.86
85-68-7	Butyl benzyl phthalate	60.6		5.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-59386-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-180801/2-A

Matrix: Water | Lab File ID: U5637.D

Analysis Method: 625 | Date Collected:

Extract. Method: 625 | Date Extracted: 05/08/2014 06:53

Sample wt/vol: 1000(mL) | Date Analyzed: 05/09/2014 09:17

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

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

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

Analysis Batch No.: 180910 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
218-01-9	Chrysene	53.4		5.0	0.036
53-70-3	Dibenz(a,h)anthracene	62.5		5.0	0.055
84-66-2	Diethyl phthalate	54.8		5.0	0.17
131-11-3	Dimethyl phthalate	48.7		5.0	0.17
84-74-2	Di-n-butyl phthalate	59.1		5.0	0.94
117-84-0	Di-n-octyl phthalate	60.9		5.0	4.5
206-44-0	Fluoranthene	58.0		5.0	0.11
86-73-7	Fluorene	50.7		5.0	0.043
118-74-1	Hexachlorobenzene	54.0		5.0	0.28
87-68-3	Hexachlorobutadiene	33.9		5.0	0.62
77-47-4	Hexachlorocyclopentadiene	37.0		5.0	0.45
67-72-1	Hexachloroethane	27.1		5.0	0.48
193-39-5	Indeno[1,2,3-cd]pyrene	54.3		5.0	0.19
78-59-1	Isophorone	43.3		5.0	0.16
91-20-3	Naphthalene	39.7		5.0	0.080
98-95-3	Nitrobenzene	39.7		5.0	0.11
62-75-9	N-Nitrosodimethylamine	25.3		10	0.96
621-64-7	N-Nitrosodi-n-propylamine	41.2		5.0	0.23
86-30-6	N-Nitrosodiphenylamine	86.7		5.0	0.40
87-86-5	Pentachlorophenol	114		10	0.41
85-01-8	Phenanthrene	52.4		5.0	0.071
108-95-2	Phenol	19.6		5.0	0.12
129-00-0	Pyrene	55.3		5.0	0.041

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	109		52-151
321-60-8	2-Fluorobiphenyl	90		44-120
367-12-4	2-Fluorophenol	44		17-120
4165-60-0	Nitrobenzene-d5	75		42-120
4165-62-2	Phenol-d5	33		10-120
1718-51-0	p-Terphenyl-d14	122		22-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5637.D
Lims ID: LCS 480-180801/2-A
Client ID:
Sample Type: LCS
Inject. Date: 09-May-2014 09:17:30 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0031903-018
Operator ID: anm Instrument ID: HP5973U

Method: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U-625.m
Limit Group: MB - 625 ICAL
Last Update: 09-May-2014 10:03:31 Calib Date: 08-May-2014 11:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5624.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: mcgoverna Date: 09-May-2014 10:03:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.427	5.422	0.005	83	177823	40.0	40.0	
* 2 Naphthalene-d8	136	6.501	6.501	0.000	98	619413	40.0	40.0	
* 3 Acenaphthene-d10	164	7.954	7.954	0.000	76	352398	40.0	40.0	
* 4 Phenanthrene-d10	188	9.177	9.177	0.000	92	583260	40.0	40.0	
* 5 Chrysene-d12	240	11.378	11.378	0.000	82	595260	40.0	40.0	
* 6 Perylene-d12	264	12.858	12.853	0.005	83	417557	40.0	40.0	
$ 9 2-Fluorophenol	112	4.246	4.246	0.000	81	118056	50.0	21.9	
$ 10 Phenol-d5	99	5.128	5.138	-0.010	73	100586	50.0	16.6	
$ 11 Nitrobenzene-d5	82	5.902	5.908	-0.006	84	193017	50.0	37.7	
$ 12 2-Fluorobiphenyl	172	7.409	7.414	-0.005	99	502476	50.0	44.8	
$ 13 2,4,6-Tribromophenol	330	8.611	8.616	-0.005	87	97894	50.0	54.7	
$ 14 p-Terphenyl-d14	244	10.497	10.497	0.000	97	671271	50.0	60.9	
81 N-Nitrosodimethylamine	42	2.756	2.761	-0.005	0	50342	50.0	25.3	M
82 Pyridine	52	2.788	2.788	0.000	0	57824	50.0	20.2	M
89 Phenol	94	5.139	5.149	-0.010	76	121201	50.0	19.6	
90 Aniline	93	5.144	5.149	-0.005	75	256297	50.0	36.1	
91 Bis(2-chloroethyl)ether	93	5.213	5.219	-0.006	98	172112	50.0	39.1	
93 2-Chlorophenol	128	5.240	5.245	-0.005	89	203193	50.0	38.3	
20 n-Decane	57	5.320	5.325	-0.005	83	88980	50.0	22.8	
94 1,3-Dichlorobenzene	146	5.374	5.379	-0.005	89	171983	50.0	27.7	
95 1,4-Dichlorobenzene	146	5.438	5.443	-0.005	86	176773	50.0	28.7	
96 Benzyl alcohol	108	5.561	5.566	-0.005	92	119005	50.0	38.7	
97 1,2-Dichlorobenzene	146	5.566	5.571	-0.005	88	173476	50.0	30.6	
98 2-Methylphenol	108	5.662	5.667	-0.005	93	161723	50.0	36.0	
99 2,2'-oxybis[1-chloropropan	45	5.683	5.683	0.000	86	170136	50.0	36.6	
104 Acetophenone	105	5.780	5.785	-0.005	95	263719	50.0	40.9	
102 4-Methylphenol	108	5.796	5.806	-0.010	93	157720	25.0	36.6	
101 N-Nitrosodi-n-propylamine	70	5.790	5.806	-0.016	77	122406	50.0	41.2	
106 Hexachloroethane	117	5.854	5.854	0.000	90	56037	50.0	27.1	
107 Nitrobenzene	77	5.919	5.924	-0.006	79	185672	50.0	39.7	
110 Isophorone	82	6.127	6.137	-0.010	95	342014	50.0	43.3	
111 2-Nitrophenol	139	6.186	6.191	-0.005	87	112653	50.0	42.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	6.239	6.250	-0.011	94	186469	50.0	42.5	
115 Bis(2-chloroethoxy)methane	93	6.319	6.330	-0.011	97	205419	50.0	41.9	
117 2,4-Dichlorophenol	162	6.389	6.394	-0.005	86	195329	50.0	43.6	
119 Benzoic acid	105	6.346	6.437	-0.091	75	72426	100.0	22.6	
120 1,2,4-Trichlorobenzene	180	6.458	6.458	0.000	87	177283	50.0	36.1	
121 Naphthalene	128	6.517	6.522	-0.005	95	524948	50.0	39.7	
123 4-Chloroaniline	127	6.570	6.581	-0.011	86	248422	50.0	41.6	
126 Hexachlorobutadiene	225	6.634	6.634	0.000	87	98328	50.0	33.9	
131 4-Chloro-3-methylphenol	107	6.987	7.003	-0.016	81	176754	50.0	46.5	
133 2-Methylnaphthalene	142	7.174	7.179	-0.005	84	373672	50.0	43.3	
136 Hexachlorocyclopentadiene	237	7.233	7.233	0.000	81	103250	50.0	37.0	
138 1,2,4,5-Tetrachlorobenzene	216	7.233	7.238	-0.005	88	214921	50.0	45.2	
139 2,4,6-Trichlorophenol	196	7.334	7.339	-0.005	81	153117	50.0	51.6	
140 2,4,5-Trichlorophenol	196	7.361	7.372	-0.011	95	170194	50.0	53.5	
143 2-Chloronaphthalene	162	7.494	7.500	-0.006	96	399910	50.0	48.6	
145 2-Nitroaniline	65	7.591	7.596	-0.005	89	99805	50.0	44.5	
147 Dimethyl phthalate	163	7.762	7.772	-0.010	96	482552	50.0	48.7	
148 2,6-Dinitrotoluene	165	7.799	7.810	-0.011	86	116155	50.0	49.2	
149 Acenaphthylene	152	7.836	7.842	-0.006	83	643755	50.0	49.6	
150 3-Nitroaniline	138	7.938	7.948	-0.010	89	117321	50.0	45.4	
151 Acenaphthene	153	7.981	7.986	-0.005	93	421607	50.0	48.2	
152 2,4-Dinitrophenol	184	8.023	8.039	-0.016	81	96854	100.0	67.9	
153 4-Nitrophenol	109	8.087	8.114	-0.027	83	54960	100.0	48.5	
155 Dibenzofuran	168	8.125	8.130	-0.005	84	592485	50.0	49.8	
154 2,4-Dinitrotoluene	165	8.130	8.141	-0.011	85	152683	50.0	51.1	
158 2,3,4,6-Tetrachlorophenol	232	8.232	8.242	-0.010	63	136796	50.0	51.0	
160 Diethyl phthalate	149	8.344	8.349	-0.005	98	449393	50.0	54.8	
161 Fluorene	166	8.408	8.413	-0.005	82	482756	50.0	50.7	
162 4-Chlorophenyl phenyl ethe	204	8.419	8.424	-0.005	85	257064	50.0	52.7	
164 4-Nitroaniline	138	8.445	8.467	-0.022	83	113833	50.0	48.8	
166 4,6-Dinitro-2-methylphenol	198	8.467	8.477	-0.010	84	163144	100.0	88.2	
167 N-Nitrosodiphenylamine	169	8.520	8.525	-0.005	57	632776	100.0	86.7	
168 1,2-Diphenylhydrazine	77	8.547	8.552	-0.005	94	381317	50.0	47.3	
176 4-Bromophenyl phenyl ether	248	8.819	8.825	-0.006	48	172724	50.0	53.2	
177 Hexachlorobenzene	284	8.862	8.867	-0.005	86	198326	50.0	54.0	
181 Pentachlorophenol	266	9.028	9.033	-0.005	86	227717	100.0	114.2	
16 n-Octadecane	57	9.124	9.129	-0.005	96	178742	50.0	54.7	
185 Phenanthrene	178	9.199	9.204	-0.005	85	730248	50.0	52.4	
188 Anthracene	178	9.236	9.247	-0.011	86	749728	50.0	54.2	
189 Carbazole	167	9.375	9.380	-0.005	82	666392	50.0	52.8	
192 Di-n-butyl phthalate	149	9.685	9.690	-0.005	99	707648	50.0	59.1	
197 Fluoranthene	202	10.171	10.176	-0.005	97	830470	50.0	58.0	
198 Benzidine	184	10.288	10.294	-0.006	87	84589	100.0	19.3	
199 Pyrene	202	10.353	10.358	-0.005	95	862961	50.0	55.3	
205 Butyl benzyl phthalate	149	10.908	10.913	-0.005	93	293865	50.0	60.6	
208 3,3'-Dichlorobenzidine	252	11.362	11.368	-0.006	64	401903	100.0	97.3	
209 Benzo[a]anthracene	228	11.368	11.373	-0.005	88	738543	50.0	57.8	
211 Chrysene	228	11.405	11.410	-0.005	84	707947	50.0	53.4	
210 Bis(2-ethylhexyl) phthalat	149	11.437	11.437	0.000	92	375055	50.0	57.7	
212 Di-n-octyl phthalate	149	12.089	12.089	0.000	98	542171	50.0	60.9	
213 Benzo[b]fluoranthene	252	12.447	12.452	-0.005	82	571607	50.0	56.7	
214 Benzo[k]fluoranthene	252	12.473	12.484	-0.011	84	655096	50.0	52.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
217 Benzo[a]pyrene	252	12.794	12.799	-0.005	71	517837	50.0	58.9	
219 Indeno[1,2,3-cd]pyrene	276	14.055	14.060	-0.005	83	365363	50.0	54.3	
220 Dibenz(a,h)anthracene	278	14.081	14.092	-0.011	43	384533	50.0	62.5	
221 Benzo[g,h,i]perylene	276	14.349	14.359	-0.010	79	369616	50.0	59.3	
S 78 3-Methylphenol	1				0		25.0	36.6	

QC Flag Legend

Review Flags
M - Manually Integrated

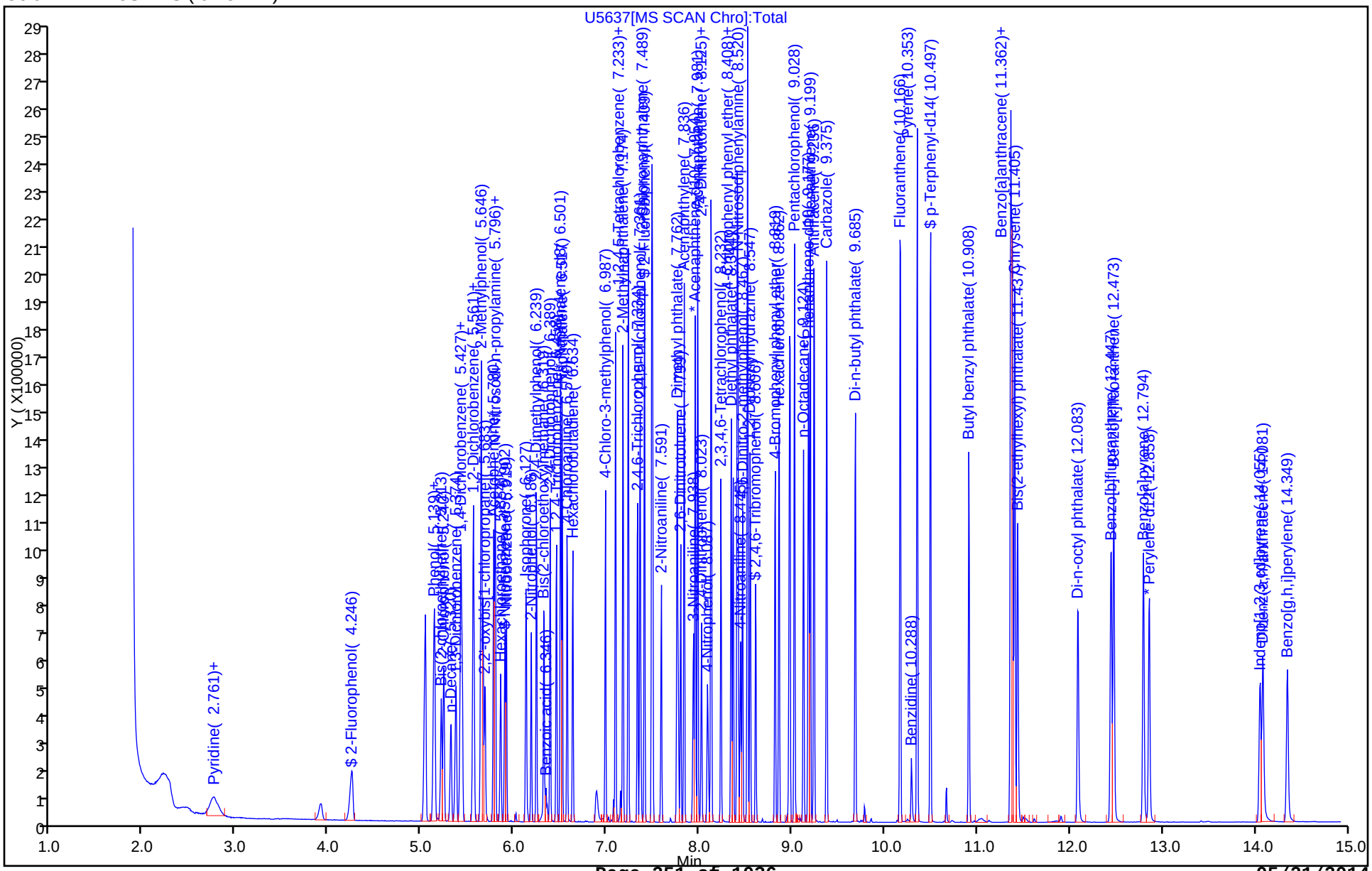
Report Date: 09-May-2014 10:03:31 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5637.D

Injection Date:	09-May-2014 09:17:30	Instrument ID:	HP5973U	Operator ID:	anm
Lims ID:	LCS 480-180801/2-A			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	U-625	Limit Group:	MB - 625 ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

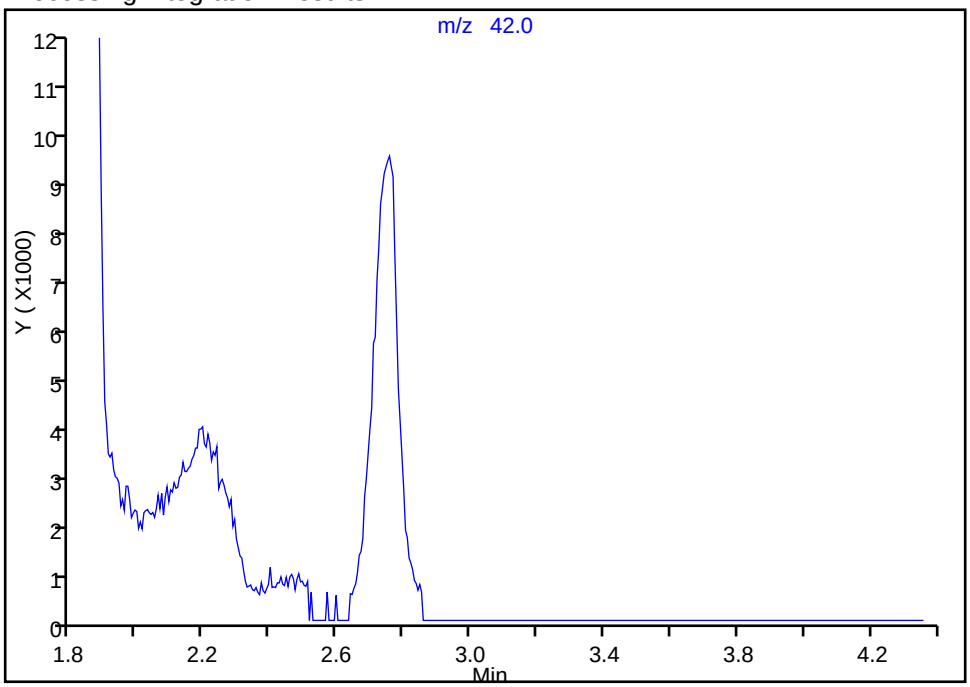
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5637.D
Injection Date: 09-May-2014 09:17:30 Instrument ID: HP5973U
Lims ID: LCS 480-180801/2-A
Client ID:
Operator ID: anm ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: U-625 Limit Group: MB - 625 ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

81 N-Nitrosodimethylamine, CAS: 62-75-9

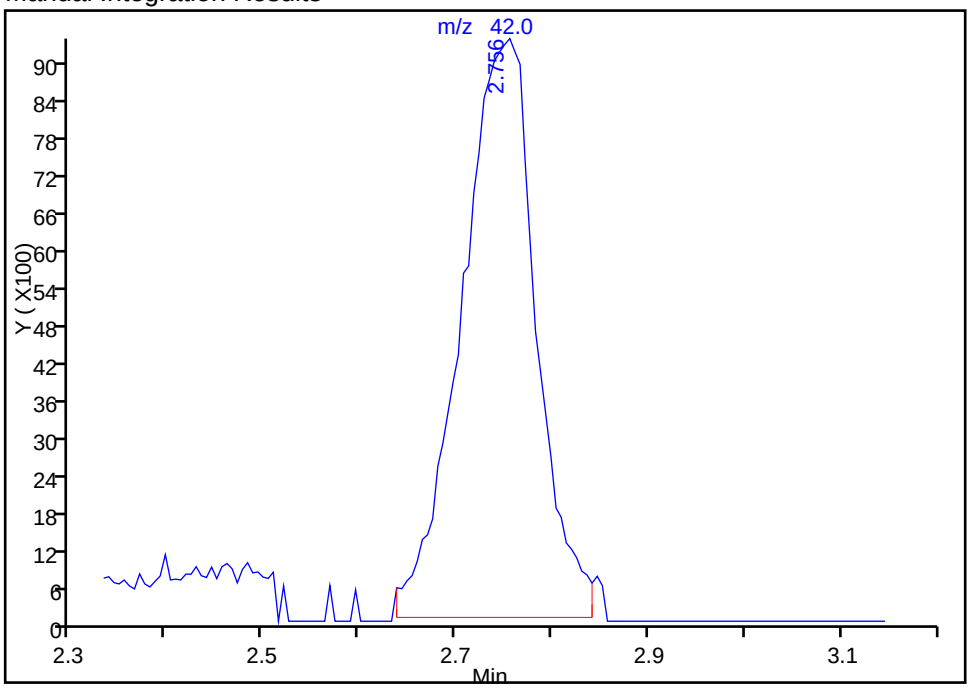
Not Detected
Expected RT: 2.76

Processing Integration Results



Manual Integration Results

RT: 2.76
Response: 50342
Amount: 25.297312



Reviewer: mcgoverna, 09-May-2014 10:03:30
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-59386-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 480-180801/3-A

Matrix: Water | Lab File ID: U5638.D

Analysis Method: 625 | Date Collected:

Extract. Method: 625 | Date Extracted: 05/08/2014 06:53

Sample wt/vol: 1000(mL) | Date Analyzed: 05/09/2014 09:40

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

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

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

Analysis Batch No.: 180910 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	35.3		10	0.49
95-50-1	1,2-Dichlorobenzene	29.4		10	0.15
122-66-7	1,2-Diphenylhydrazine	48.2		10	0.063
541-73-1	1,3-Dichlorobenzene	26.7		10	0.069
106-46-7	1,4-Dichlorobenzene	27.7		10	0.090
88-06-2	2,4,6-Trichlorophenol	51.8		5.0	0.23
120-83-2	2,4-Dichlorophenol	43.9		5.0	0.30
105-67-9	2,4-Dimethylphenol	43.8		5.0	0.13
51-28-5	2,4-Dinitrophenol	69.9		10	0.84
121-14-2	2,4-Dinitrotoluene	51.4		5.0	0.26
606-20-2	2,6-Dinitrotoluene	50.1		5.0	0.72
91-58-7	2-Chloronaphthalene	48.0		5.0	0.068
95-57-8	2-Chlorophenol	38.0		5.0	0.16
88-75-5	2-Nitrophenol	43.3		5.0	0.14
91-94-1	3,3'-Dichlorobenzidine	100		5.0	0.82
534-52-1	4,6-Dinitro-2-methylphenol	87.2		10	0.76
101-55-3	4-Bromophenyl phenyl ether	53.3		5.0	0.11
59-50-7	4-Chloro-3-methylphenol	46.8		5.0	0.56
7005-72-3	4-Chlorophenyl phenyl ether	53.2		5.0	0.21
100-02-7	4-Nitrophenol	48.5		10	1.3
83-32-9	Acenaphthene	48.3		5.0	0.060
208-96-8	Acenaphthylene	50.0		5.0	0.034
120-12-7	Anthracene	53.4		5.0	0.052
92-87-5	Benzidine	39.2	J	80	2.5
56-55-3	Benzo[a]anthracene	56.7		5.0	0.043
50-32-8	Benzo[a]pyrene	58.6		5.0	0.058
205-99-2	Benzo[b]fluoranthene	56.4		5.0	0.062
191-24-2	Benzo[g,h,i]perylene	58.8		5.0	0.10
207-08-9	Benzo[k]fluoranthene	51.6		5.0	0.042
108-60-1	bis (2-chloroisopropyl) ether	35.8		5.0	0.086
111-91-1	Bis(2-chloroethoxy)methane	41.8		5.0	0.085
111-44-4	Bis(2-chloroethyl)ether	38.1		5.0	1.1
117-81-7	Bis(2-ethylhexyl) phthalate	56.3		10	0.86
85-68-7	Butyl benzyl phthalate	59.7		5.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-59386-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 480-180801/3-A

Matrix: Water | Lab File ID: U5638.D

Analysis Method: 625 | Date Collected:

Extract. Method: 625 | Date Extracted: 05/08/2014 06:53

Sample wt/vol: 1000(mL) | Date Analyzed: 05/09/2014 09:40

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

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

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

Analysis Batch No.: 180910 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
218-01-9	Chrysene	52.7		5.0	0.036
53-70-3	Dibenz(a,h)anthracene	62.2		5.0	0.055
84-66-2	Diethyl phthalate	54.6		5.0	0.17
131-11-3	Dimethyl phthalate	49.2		5.0	0.17
84-74-2	Di-n-butyl phthalate	57.6		5.0	0.94
117-84-0	Di-n-octyl phthalate	59.7		5.0	4.5
206-44-0	Fluoranthene	57.1		5.0	0.11
86-73-7	Fluorene	50.0		5.0	0.043
118-74-1	Hexachlorobenzene	53.5		5.0	0.28
87-68-3	Hexachlorobutadiene	32.5		5.0	0.62
77-47-4	Hexachlorocyclopentadiene	34.8		5.0	0.45
67-72-1	Hexachloroethane	25.9		5.0	0.48
193-39-5	Indeno[1,2,3-cd]pyrene	54.3		5.0	0.19
78-59-1	Isophorone	43.4		5.0	0.16
91-20-3	Naphthalene	39.6		5.0	0.080
98-95-3	Nitrobenzene	39.5		5.0	0.11
62-75-9	N-Nitrosodimethylamine	25.4		10	0.96
621-64-7	N-Nitrosodi-n-propylamine	40.1		5.0	0.23
86-30-6	N-Nitrosodiphenylamine	85.7		5.0	0.40
87-86-5	Pentachlorophenol	113		10	0.41
85-01-8	Phenanthrene	51.9		5.0	0.071
108-95-2	Phenol	19.3		5.0	0.12
129-00-0	Pyrene	53.7		5.0	0.041

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	108		52-151
321-60-8	2-Fluorobiphenyl	89		44-120
367-12-4	2-Fluorophenol	44		17-120
4165-60-0	Nitrobenzene-d5	76		42-120
4165-62-2	Phenol-d5	32		10-120
1718-51-0	p-Terphenyl-d14	119		22-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5638.D
Lims ID: LCSD 480-180801/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 09-May-2014 09:40:30 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0031903-019
Operator ID: anm Instrument ID: HP5973U

Method: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U-625.m
Limit Group: MB - 625 ICAL
Last Update: 09-May-2014 10:04:22 Calib Date: 08-May-2014 11:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5624.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: mcgoverna Date: 09-May-2014 10:04:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.422	5.422	0.000	87	180384	40.0	40.0	
* 2 Naphthalene-d8	136	6.501	6.501	0.000	98	619111	40.0	40.0	
* 3 Acenaphthene-d10	164	7.954	7.954	0.000	76	350170	40.0	40.0	
* 4 Phenanthrene-d10	188	9.177	9.177	0.000	92	586283	40.0	40.0	
* 5 Chrysene-d12	240	11.384	11.378	0.006	77	595598	40.0	40.0	
* 6 Perylene-d12	264	12.858	12.853	0.005	80	418451	40.0	40.0	
$ 9 2-Fluorophenol	112	4.246	4.246	0.000	79	119938	50.0	21.9	
$ 10 Phenol-d5	99	5.128	5.138	-0.010	73	99468	50.0	16.2	
$ 11 Nitrobenzene-d5	82	5.902	5.908	-0.006	82	193442	50.0	37.8	
$ 12 2-Fluorobiphenyl	172	7.409	7.414	-0.005	99	497053	50.0	44.6	
$ 13 2,4,6-Tribromophenol	330	8.606	8.616	-0.010	88	97545	50.0	54.2	
$ 14 p-Terphenyl-d14	244	10.497	10.497	0.000	97	654183	50.0	59.3	
81 N-Nitrosodimethylamine	42	2.745	2.761	-0.016	79	51303	50.0	25.4	M
82 Pyridine	52	2.761	2.788	-0.027	0	58556	50.0	20.1	M
89 Phenol	94	5.139	5.149	-0.010	76	121487	50.0	19.3	
90 Aniline	93	5.144	5.149	-0.005	88	261308	50.0	36.3	
91 Bis(2-chloroethyl)ether	93	5.213	5.219	-0.006	98	170172	50.0	38.1	
93 2-Chlorophenol	128	5.240	5.245	-0.005	90	204484	50.0	38.0	
20 n-Decane	57	5.320	5.325	-0.005	83	86745	50.0	21.9	
94 1,3-Dichlorobenzene	146	5.374	5.379	-0.005	90	168140	50.0	26.7	
95 1,4-Dichlorobenzene	146	5.438	5.443	-0.005	87	173339	50.0	27.7	
96 Benzyl alcohol	108	5.561	5.566	-0.005	92	118784	50.0	38.1	
97 1,2-Dichlorobenzene	146	5.566	5.571	-0.005	88	168835	50.0	29.4	
98 2-Methylphenol	108	5.662	5.667	-0.005	93	164243	50.0	36.1	
99 2,2'-oxybis[1-chloropropan	45	5.683	5.683	0.000	76	168869	50.0	35.8	
104 Acetophenone	105	5.780	5.785	-0.005	95	263753	50.0	40.4	
102 4-Methylphenol	108	5.796	5.806	-0.010	94	160734	25.0	36.8	
101 N-Nitrosodi-n-propylamine	70	5.790	5.806	-0.016	77	120841	50.0	40.1	
106 Hexachloroethane	117	5.854	5.854	0.000	89	54414	50.0	25.9	
107 Nitrobenzene	77	5.919	5.924	-0.006	79	184821	50.0	39.5	
110 Isophorone	82	6.127	6.137	-0.010	95	343114	50.0	43.4	
111 2-Nitrophenol	139	6.186	6.191	-0.005	87	113471	50.0	43.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	6.239	6.250	-0.011	94	192068	50.0	43.8	
115 Bis(2-chloroethoxy)methane	93	6.319	6.330	-0.011	97	204624	50.0	41.8	
117 2,4-Dichlorophenol	162	6.389	6.394	-0.005	86	196606	50.0	43.9	
119 Benzoic acid	105	6.341	6.437	-0.096	82	68400	100.0	21.4	
120 1,2,4-Trichlorobenzene	180	6.458	6.458	0.000	87	173480	50.0	35.3	
121 Naphthalene	128	6.517	6.522	-0.005	95	522756	50.0	39.6	
123 4-Chloroaniline	127	6.570	6.581	-0.011	86	251066	50.0	42.0	
126 Hexachlorobutadiene	225	6.634	6.634	0.000	86	94201	50.0	32.5	
131 4-Chloro-3-methylphenol	107	6.987	7.003	-0.016	81	178052	50.0	46.8	
133 2-Methylnaphthalene	142	7.174	7.179	-0.005	84	367179	50.0	42.6	
136 Hexachlorocyclopentadiene	237	7.227	7.233	-0.006	80	96743	50.0	34.8	
138 1,2,4,5-Tetrachlorobenzene	216	7.233	7.238	-0.005	91	216110	50.0	45.7	
139 2,4,6-Trichlorophenol	196	7.334	7.339	-0.005	81	152828	50.0	51.8	
140 2,4,5-Trichlorophenol	196	7.361	7.372	-0.011	96	165098	50.0	52.2	
143 2-Chloronaphthalene	162	7.494	7.500	-0.006	96	392218	50.0	48.0	
145 2-Nitroaniline	65	7.591	7.596	-0.005	90	101101	50.0	45.3	
147 Dimethyl phthalate	163	7.762	7.772	-0.010	96	483883	50.0	49.2	
148 2,6-Dinitrotoluene	165	7.799	7.810	-0.011	86	117466	50.0	50.1	
149 Acenaphthylene	152	7.836	7.842	-0.006	83	645438	50.0	50.0	
150 3-Nitroaniline	138	7.938	7.948	-0.010	89	120740	50.0	47.0	
151 Acenaphthene	153	7.981	7.986	-0.005	93	420304	50.0	48.3	
152 2,4-Dinitrophenol	184	8.023	8.039	-0.016	81	99415	100.0	69.9	
153 4-Nitrophenol	109	8.087	8.114	-0.027	82	54595	100.0	48.5	
155 Dibenzofuran	168	8.125	8.130	-0.005	84	590775	50.0	49.9	
154 2,4-Dinitrotoluene	165	8.130	8.141	-0.011	84	152611	50.0	51.4	
158 2,3,4,6-Tetrachlorophenol	232	8.232	8.242	-0.010	62	136070	50.0	51.0	
160 Diethyl phthalate	149	8.344	8.349	-0.005	98	444865	50.0	54.6	
161 Fluorene	166	8.408	8.413	-0.005	82	473402	50.0	50.0	
162 4-Chlorophenyl phenyl ethe	204	8.419	8.424	-0.005	85	258000	50.0	53.2	
164 4-Nitroaniline	138	8.445	8.467	-0.022	84	117294	50.0	50.6	
166 4,6-Dinitro-2-methylphenol	198	8.467	8.477	-0.010	87	161958	100.0	87.2	
167 N-Nitrosodiphenylamine	169	8.520	8.525	-0.005	57	628209	100.0	85.7	
168 1,2-Diphenylhydrazine	77	8.547	8.552	-0.005	95	385656	50.0	48.2	
176 4-Bromophenyl phenyl ether	248	8.819	8.825	-0.006	47	173904	50.0	53.3	
177 Hexachlorobenzene	284	8.857	8.867	-0.010	85	197448	50.0	53.5	
181 Pentachlorophenol	266	9.028	9.033	-0.005	84	226648	100.0	113.1	
16 n-Octadecane	57	9.124	9.129	-0.005	94	177955	50.0	54.2	
185 Phenanthrene	178	9.199	9.204	-0.005	85	727473	50.0	51.9	
188 Anthracene	178	9.236	9.247	-0.011	86	741794	50.0	53.4	
189 Carbazole	167	9.375	9.380	-0.005	82	662302	50.0	52.2	
192 Di-n-butyl phthalate	149	9.685	9.690	-0.005	99	693279	50.0	57.6	
197 Fluoranthene	202	10.171	10.176	-0.005	97	822313	50.0	57.1	
198 Benzidine	184	10.288	10.294	-0.006	85	164669	100.0	39.2	
199 Pyrene	202	10.353	10.358	-0.005	95	839545	50.0	53.7	
205 Butyl benzyl phthalate	149	10.908	10.913	-0.005	93	289823	50.0	59.7	
208 3,3'-Dichlorobenzidine	252	11.357	11.368	-0.011	65	413538	100.0	100.1	
209 Benzo[a]anthracene	228	11.368	11.373	-0.005	87	724576	50.0	56.7	
211 Chrysene	228	11.405	11.410	-0.005	83	700177	50.0	52.7	
210 Bis(2-ethylhexyl) phthalat	149	11.437	11.437	0.000	92	365252	50.0	56.3	
212 Di-n-octyl phthalate	149	12.089	12.089	0.000	98	530707	50.0	59.7	
213 Benzo[b]fluoranthene	252	12.441	12.452	-0.011	82	570626	50.0	56.4	
214 Benzo[k]fluoranthene	252	12.473	12.484	-0.011	85	642590	50.0	51.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
217 Benzo[a]pyrene	252	12.794	12.799	-0.005	71	516616	50.0	58.6	
219 Indeno[1,2,3-cd]pyrene	276	14.055	14.060	-0.005	83	366229	50.0	54.3	
220 Dibenz(a,h)anthracene	278	14.081	14.092	-0.011	36	383490	50.0	62.2	
221 Benzo[g,h,i]perylene	276	14.349	14.359	-0.010	78	367840	50.0	58.8	
S 78 3-Methylphenol	1				0		25.0	36.8	

QC Flag Legend

Review Flags
M - Manually Integrated

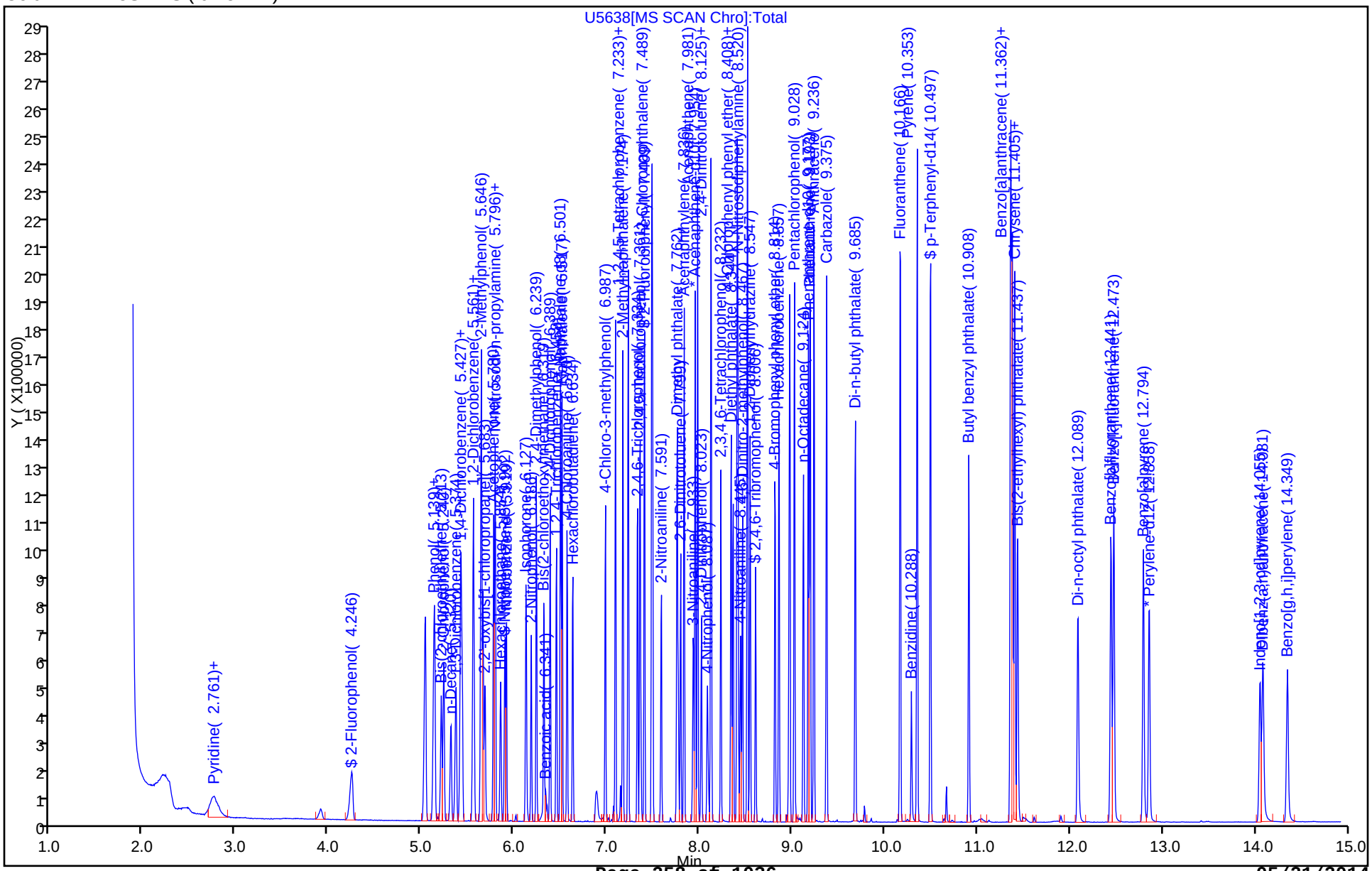
Report Date: 09-May-2014 10:04:24 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5638.D

Injection Date:	09-May-2014 09:40:30	Instrument ID:	HP5973U	Operator ID:	anm
Lims ID:	LCSD 480-180801/3-A			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	U-625	Limit Group:	MB - 625 ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

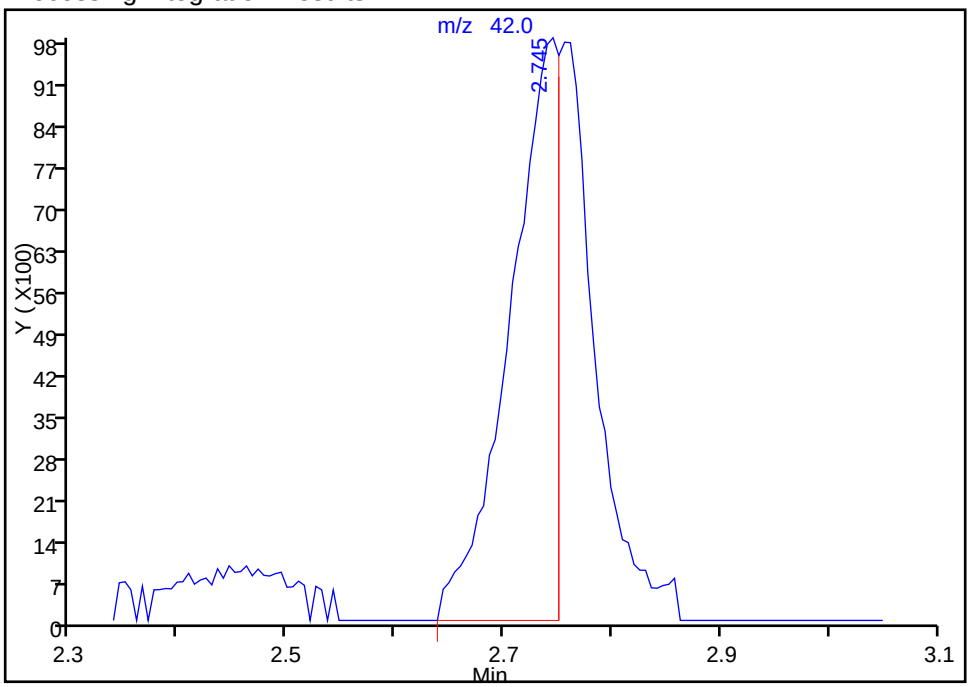
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973U\20140508-31903.b\U5638.D				
Injection Date:	09-May-2014 09:40:30	Instrument ID:	HP5973U		
Lims ID:	LCSD 480-180801/3-A				
Client ID:					
Operator ID:	anm	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	U-625	Limit Group:	MB - 625 ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

81 N-Nitrosodimethylamine, CAS: 62-75-9

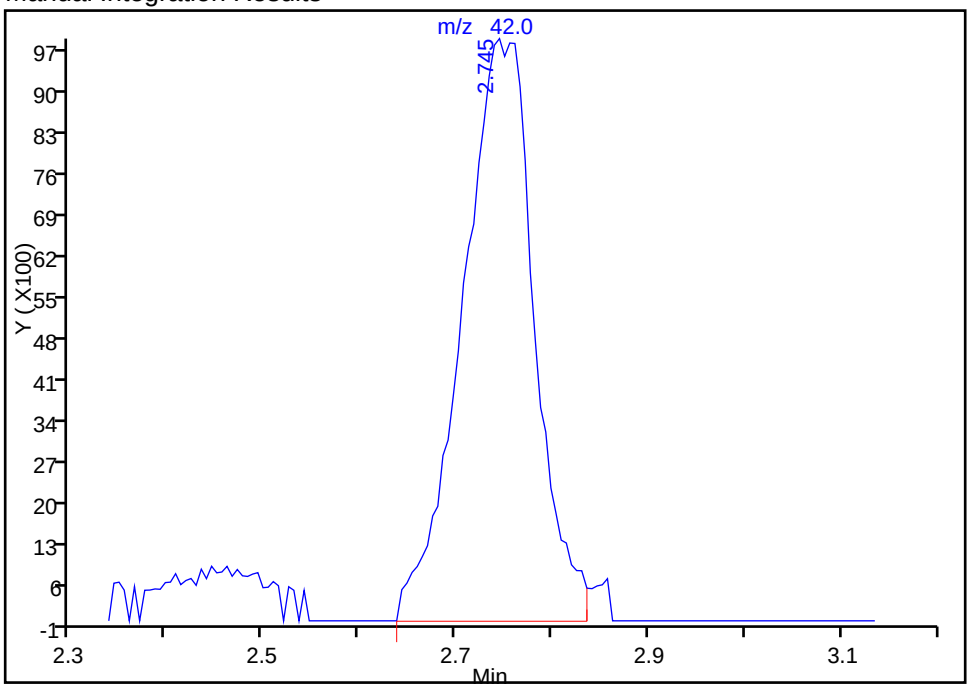
Processing Integration Results

RT: 2.75
Response: 30851
Amount: 15.555356



Manual Integration Results

RT: 2.75
Response: 51303
Amount: 25.411028



Reviewer: mcgoverna, 09-May-2014 10:04:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: HP5973U Start Date: 05/06/2014 12:04

Analysis Batch Number: 180342 End Date: 05/07/2014 09:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-180342/2		05/06/2014 12:04	1	U5569.D	RXI-5Sil MS 0.25(mm)
IC 480-180342/3		05/06/2014 12:23	1	U5570.D	RXI-5Sil MS 0.25(mm)
ICIS 480-180342/4		05/06/2014 13:00	1	U5571.D	RXI-5Sil MS 0.25(mm)
IC 480-180342/5		05/06/2014 13:56	1	U5572.D	RXI-5Sil MS 0.25(mm)
IC 480-180342/6		05/06/2014 14:19	1		RXI-5Sil MS 0.25(mm)
IC 480-180342/7		05/06/2014 14:42	1		RXI-5Sil MS 0.25(mm)
IC 480-180342/8		05/06/2014 15:04	1		RXI-5Sil MS 0.25(mm)
IC 480-180342/9		05/06/2014 15:27	1		RXI-5Sil MS 0.25(mm)
IC 480-180342/10		05/06/2014 15:50	1		RXI-5Sil MS 0.25(mm)
IC 480-180342/11		05/06/2014 16:13	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/06/2014 16:36	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/06/2014 16:59	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/06/2014 17:21	1		RXI-5Sil MS 0.25(mm)
CCVIS 480-180342/14		05/06/2014 17:44	1		RXI-5Sil MS 0.25(mm)
CCV 480-180342/15		05/06/2014 18:07	1		RXI-5Sil MS 0.25(mm)
CCV 480-180342/16		05/06/2014 18:29	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/06/2014 19:15	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/06/2014 20:01	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/06/2014 20:24	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/06/2014 20:46	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/06/2014 21:09	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/06/2014 21:32	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/06/2014 21:55	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/06/2014 23:04	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/06/2014 23:27	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/06/2014 23:50	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/07/2014 00:13	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/07/2014 00:36	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/07/2014 00:59	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/07/2014 01:22	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/07/2014 09:05	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/07/2014 09:28	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: HP5973U Start Date: 05/08/2014 10:29

Analysis Batch Number: 180910 End Date: 05/09/2014 10:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-180910/2		05/08/2014 10:29	1	U5621.D	RXI-5Sil MS 0.25(mm)
IC 480-180910/3		05/08/2014 10:48	1		RXI-5Sil MS 0.25(mm)
IC 480-180910/4		05/08/2014 11:11	1		RXI-5Sil MS 0.25(mm)
IC 480-180910/5		05/08/2014 11:34	1		RXI-5Sil MS 0.25(mm)
CCVIS 480-180910/6		05/08/2014 11:57	1	U5625.D	RXI-5Sil MS 0.25(mm)
CCV 480-180910/7		05/08/2014 12:21	1		RXI-5Sil MS 0.25(mm)
CCV 480-180910/8		05/08/2014 12:44	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/08/2014 13:07	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/08/2014 13:30	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/08/2014 13:53	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/08/2014 14:16	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/08/2014 14:39	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/08/2014 15:02	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/08/2014 15:25	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/08/2014 15:48	1		RXI-5Sil MS 0.25(mm)
MB 480-180801/1-A		05/09/2014 08:54	1	U5636.D	RXI-5Sil MS 0.25(mm)
LCS 480-180801/2-A		05/09/2014 09:17	1	U5637.D	RXI-5Sil MS 0.25(mm)
LCSD 480-180801/3-A		05/09/2014 09:40	1	U5638.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		05/09/2014 10:03	10		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: HP5973U Start Date: 05/09/2014 15:56

Analysis Batch Number: 181172 End Date: 05/10/2014 09:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-181172/2		05/09/2014 15:56	1	U5653.D	RXI-5Sil MS 0.25(mm)
IC 480-181172/15		05/09/2014 16:39	1	U5655.D	RXI-5Sil MS 0.25(mm)
ICIS 480-181172/16		05/09/2014 17:02	1	U5656.D	RXI-5Sil MS 0.25(mm)
IC 480-181172/17		05/09/2014 17:26	1	U5657.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		05/09/2014 17:55	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/09/2014 18:19	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/09/2014 18:42	1		RXI-5Sil MS 0.25(mm)
CCV 480-181172/4		05/09/2014 19:29	1		RXI-5Sil MS 0.25(mm)
CCVIS 480-181172/3		05/09/2014 19:52	1	U5663.D	RXI-5Sil MS 0.25(mm)
CCV 480-181172/5		05/09/2014 20:15	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/09/2014 21:01	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/09/2014 21:24	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/09/2014 21:47	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/09/2014 22:10	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/09/2014 22:33	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/09/2014 22:57	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/09/2014 23:20	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/09/2014 23:43	1		RXI-5Sil MS 0.25(mm)
480-59386-1	PT2-1(L)	05/10/2014 00:06	1	U5674.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 00:30	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 00:54	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 01:17	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 01:41	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 02:05	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 02:29	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 02:53	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 03:17	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 03:41	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 04:05	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 04:28	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 04:52	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 05:16	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 05:40	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 06:04	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 06:27	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 06:51	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 07:15	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 07:38	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 08:02	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 08:26	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 08:49	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 09:36	100		RXI-5Sil MS 0.25(mm)
ZZZZZ		05/10/2014 09:59	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Batch Number: 180801 Batch Start Date: 05/08/14 06:52 Batch Analyst: Ziemer, Michael C

Batch Method: 625 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH
MB 480-180801/1		625, 625		7			1000 mL	1 mL	7 SU
LCS 480-180801/2		625, 625		7			1000 mL	1 mL	7 SU
LCSD 480-180801/3		625, 625		7			1000 mL	1 mL	7 SU
480-59386-C-1	PT2-1(L)	625, 625	T	6	001556.1 g	000502.6 g	1053.5 mL	1 mL	6 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	FirstAdjustpH	SecondAdjustpH	O_8270/625LCS 00006	O_8270surr 00014		
MB 480-180801/1		625, 625		<2 SU	>11 SU		1 mL		
LCS 480-180801/2		625, 625		<2 SU	>11 SU	1 mL	1 mL		
LCSD 480-180801/3		625, 625		<2 SU	>11 SU	1 mL	1 mL		
480-59386-C-1	PT2-1(L)	625, 625	T	<2 SU	>11 SU		1 mL		

Batch Notes	
Acid used for pH adjustment	1:1 Sulfuric
Acid used for pH adjust Lot #	2403A28
Balance ID	14552245
Base used for pH adjustment	Sodium hydroxide
Base used for pH adjust Lot #	HC388777
Person's name who did the concentration	MZ/LF
Na2SO4 Lot Number	27864002
Prep Solvent Lot #	0000073967
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	360 mL
Person's name who did the prep	MZ, MRB
Person's name who witnessed reagent drop	MZ, MRB
Sufficient volume for MS/MSD?	NO

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.: 480-59386-1

SDG No.:

Batch Number: 180801 Batch Start Date: 05/08/14 06:52 Batch Analyst: Ziemer, Michael C

Batch Method: 625 Batch End Date:

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 608
Pesticides

Organochlorine Pesticides (GC) by Method 608

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-CLPI ID: 0.53 (mm) GC Column (2): RTX-CLPII ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
PT2-1(L)	480-59386-1	61	78	43	60
	MB 480-180803/1-A	66	82	49	63
	LCS 480-180803/2-A	72	87	63	72
	LCSD 480-180803/3-A	74	90	34	64

	QC LIMITS
TCX = Tetrachloro-m-xylene	36-120
DCB = DCB Decachlorobiphenyl	23-120

Column to be used to flag recovery values

FORM II 608

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 5_10112.D

Lab ID: LCS 480-180803/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	0.500	0.512	102	57-140	
4,4'-DDE	0.500	0.462	92	48-136	
4,4'-DDT	0.500	0.468	94	53-140	
Aldrin	0.500	0.391	78	35-125	
alpha-BHC	0.500	0.492	98	54-125	
beta-BHC	0.500	0.520	104	39-138	
delta-BHC	0.500	0.504	101	50-138	
Dieldrin	0.500	0.512	102	52-141	
Endosulfan I	0.500	0.510	102	50-137	
Endosulfan II	0.500	0.502	100	54-140	
Endosulfan sulfate	0.500	0.476	95	56-136	
Endrin	0.500	0.546	109	60-143	
Endrin aldehyde	0.500	0.507	101	20-157	
gamma-BHC (Lindane)	0.500	0.497	99	54-134	
Heptachlor	0.500	0.506	101	46-130	
Heptachlor epoxide	0.500	0.512	102	52-144	

Column to be used to flag recovery and RPD values

FORM III 608

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 5_10113.D

Lab ID: LCSD 480-180803/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
4,4'-DDD	0.500	0.498	100	3	50	57-140	
4,4'-DDE	0.500	0.446	89	3	50	48-136	
4,4'-DDT	0.500	0.447	89	5	50	53-140	
Aldrin	0.500	0.412	82	5	50	35-125	
alpha-BHC	0.500	0.495	99	1	50	54-125	
beta-BHC	0.500	0.528	106	1	50	39-138	
delta-BHC	0.500	0.507	101	1	50	50-138	
Dieldrin	0.500	0.510	102	0	50	52-141	
Endosulfan I	0.500	0.512	102	0	50	50-137	
Endosulfan II	0.500	0.502	100	0	50	54-140	
Endosulfan sulfate	0.500	0.483	97	2	50	56-136	
Endrin	0.500	0.551	110	1	50	60-143	
Endrin aldehyde	0.500	0.513	103	1	50	20-157	
gamma-BHC (Lindane)	0.500	0.502	100	1	50	54-134	
Heptachlor	0.500	0.495	99	2	50	46-130	
Heptachlor epoxide	0.500	0.514	103	0	50	52-144	

Column to be used to flag recovery and RPD values

FORM III 608

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: MB 480-180803/1-A

Matrix: Water Date Extracted: 05/08/2014 07:12

Lab File ID:(1) 5_10111.D Lab File ID:(2) 5_10111.D

Date Analyzed:(1) 05/09/2014 10:22 Date Analyzed:(2) 05/09/2014 10:22

Instrument ID:(1) HP6890-5 Instrument ID:(2) HP6890-5

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 480-180803/2-A	05/09/2014 10:40	05/09/2014 10:40
	LCSD 480-180803/3-A	05/09/2014 10:57	05/09/2014 10:57
PT2-1(L)	480-59386-1	05/09/2014 15:36	05/09/2014 15:36

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Client Sample ID: PT2-1(L) Lab Sample ID: 480-59386-1

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 05/09/2014 15:36 Date Analyzed (2): 05/09/2014 15:36

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.47	2.44	2.50	0.016		30.0
	2		2.92	2.88	2.94	0.012		
gamma-BHC (Lindane)	1		2.69	2.66	2.72	0.015		21.5
	2		3.23	3.19	3.25	0.012		
delta-BHC	1		2.87	2.86	2.92	0.017		54.7
	2		3.55	3.52	3.58	0.0098		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-180803/1-A

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 05/09/2014 10:22 Date Analyzed (2): 05/09/2014 10:22

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
delta-BHC	1		2.88	2.86	2.92	0.0176		51.8
	2		3.55	3.52	3.58	0.0104		
4,4'-DDD	1		4.78	4.76	4.82	0.0167		46.6
	2		5.63	5.60	5.66	0.0104		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-180803/2-A

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 05/09/2014 10:40 Date Analyzed (2): 05/09/2014 10:40

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.47	2.44	2.50	0.387		23.8
	2		2.91	2.88	2.94	0.492		
gamma-BHC (Lindane)	1		2.69	2.66	2.72	0.409		19.6
	2		3.22	3.19	3.25	0.497		
beta-BHC	1		2.75	2.73	2.79	0.436		17.5
	2		3.28	3.25	3.31	0.520		
delta-BHC	1		2.89	2.86	2.92	0.422		17.6
	2		3.55	3.52	3.58	0.504		
Heptachlor	1		3.05	3.02	3.08	0.439		14.1
	2		3.63	3.60	3.66	0.506		
Aldrin	1		3.30	3.27	3.33	0.381		2.7
	2		3.95	3.92	3.98	0.391		
Heptachlor epoxide	1		3.84	3.81	3.87	0.484		5.6
	2		4.52	4.49	4.55	0.512		
4,4'-DDE	1		4.18	4.16	4.22	0.438		5.3
	2		5.05	5.02	5.08	0.462		
Endosulfan I	1		4.22	4.19	4.25	0.435		15.9
	2		4.92	4.89	4.95	0.510		
Dieldrin	1		4.46	4.43	4.49	0.458		11.1
	2		5.20	5.17	5.23	0.512		
Endrin	1		4.69	4.66	4.72	0.543		0.4
	2		5.50	5.47	5.53	0.546		
4,4'-DDD	1		4.79	4.76	4.82	0.511		0.3
	2		5.63	5.60	5.66	0.512		
Endosulfan II	1		4.92	4.89	4.95	0.531		5.6
	2		5.72	5.69	5.75	0.502		
4,4'-DDT	1		5.08	5.05	5.11	0.544		15.0
	2		5.95	5.92	5.98	0.468		
Endrin aldehyde	1		5.35	5.32	5.38	0.542		6.7
	2		6.05	6.02	6.08	0.507		
Endosulfan sulfate	1		5.79	5.76	5.82	0.462		2.9
	2		6.34	6.31	6.37	0.476		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 480-180803/3-A

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 05/09/2014 10:57 Date Analyzed (2): 05/09/2014 10:57

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.47	2.44	2.50	0.387		24.3
	2		2.91	2.88	2.94	0.495		
gamma-BHC (Lindane)	1		2.69	2.66	2.72	0.410		20.0
	2		3.22	3.19	3.25	0.502		
beta-BHC	1		2.76	2.73	2.79	0.440		18.2
	2		3.28	3.25	3.31	0.528		
delta-BHC	1		2.89	2.86	2.92	0.420		18.7
	2		3.55	3.52	3.58	0.507		
Heptachlor	1		3.05	3.02	3.08	0.432		13.6
	2		3.63	3.60	3.66	0.495		
Aldrin	1		3.30	3.27	3.33	0.402		2.6
	2		3.95	3.92	3.98	0.412		
Heptachlor epoxide	1		3.84	3.81	3.87	0.483		6.3
	2		4.52	4.49	4.55	0.514		
4,4'-DDE	1		4.18	4.16	4.22	0.424		5.2
	2		5.05	5.02	5.08	0.446		
Endosulfan I	1		4.22	4.19	4.25	0.435		16.4
	2		4.92	4.89	4.95	0.512		
Dieldrin	1		4.46	4.43	4.49	0.456		11.2
	2		5.20	5.17	5.23	0.510		
Endrin	1		4.69	4.66	4.72	0.538		2.5
	2		5.50	5.47	5.53	0.551		
4,4'-DDD	1		4.79	4.76	4.82	0.493		1.1
	2		5.63	5.60	5.66	0.498		
Endosulfan II	1		4.92	4.89	4.95	0.528		4.9
	2		5.72	5.69	5.75	0.502		
4,4'-DDT	1		5.08	5.05	5.11	0.518		14.8
	2		5.95	5.92	5.98	0.447		
Endrin aldehyde	1		5.35	5.32	5.38	0.545		6.0
	2		6.05	6.02	6.08	0.513		
Endosulfan sulfate	1		5.79	5.76	5.82	0.465		3.7
	2		6.34	6.31	6.37	0.483		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Client Sample ID: PT2-1(L) Lab Sample ID: 480-59386-1

Matrix: Water Lab File ID: 5_10128.D

Analysis Method: 608 Date Collected: 05/06/2014 14:45

Extraction Method: 3510C Date Extracted: 05/08/2014 07:12

Sample wt/vol: 1053(mL) Date Analyzed: 05/09/2014 15:36

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLPI ID: 0.53(mm)

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

Analysis Batch No.: 181144 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	43		23-120
877-09-8	Tetrachloro-m-xylene	61		36-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10128.D
Lims ID: 480-59386-F-1-A Lab Sample ID: 480-59386-1
Client ID: PT2-1(L)
Sample Type: Client
Inject. Date: 09-May-2014 15:36:24 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#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:27 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

First Level Reviewer: WolfL Date: 12-May-2014 12:33:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene						
1	2.107	2.103	0.004	868177	0.0121	
2	2.447	2.443	0.004	1410196	0.0156	
					RPD = 25.02	
$ 2 DCB Decachlorobiphenyl						
1	7.123	7.117	0.006	667030	0.008686	
2	8.117	8.113	0.004	842940	0.0120	
					RPD = 31.99	
4 alpha-BHC						
1	2.467	2.470	-0.003	10510	0.001737	
2	2.917	2.913	0.004	34533	0.001284	
					RPD = 29.99	
6 gamma-BHC (Lindane)						
1	2.687	2.693	-0.006	9388	0.001576	
2	3.230	3.217	0.013	53489	0.001270	
					RPD = 21.52	
8 delta-BHC						
1	2.870	2.890	-0.020	22441	0.001805	
2	3.553	3.553	0.000	11313	0.001029	
					RPD = 54.74	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags

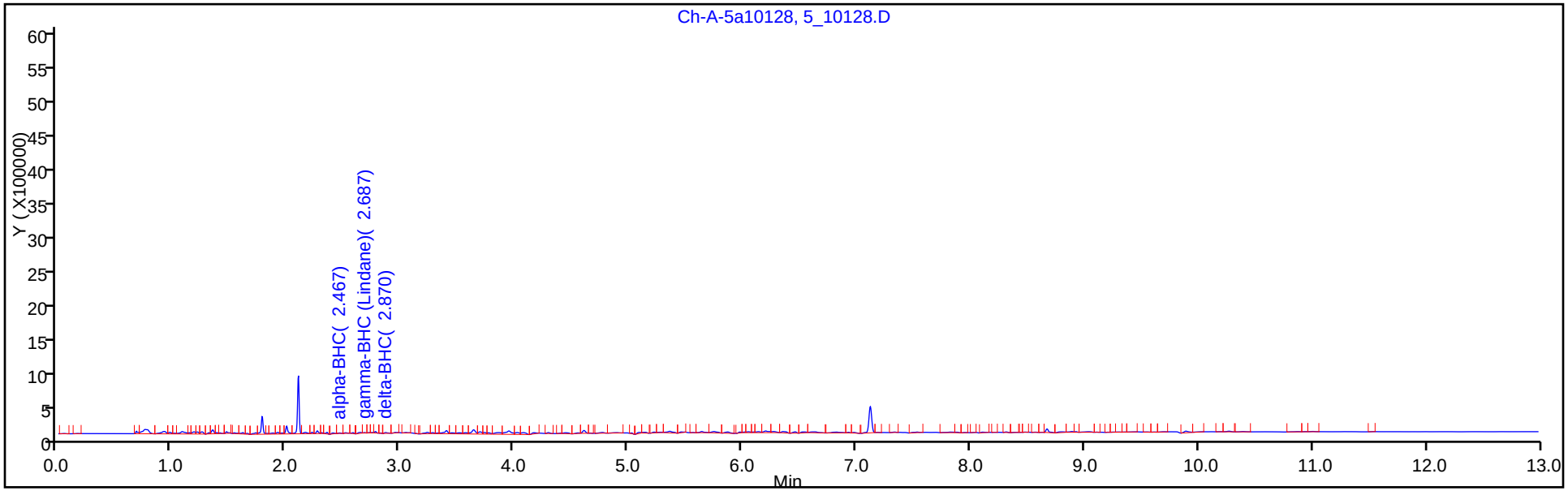
Report Date: 12-May-2014 12:38:32 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

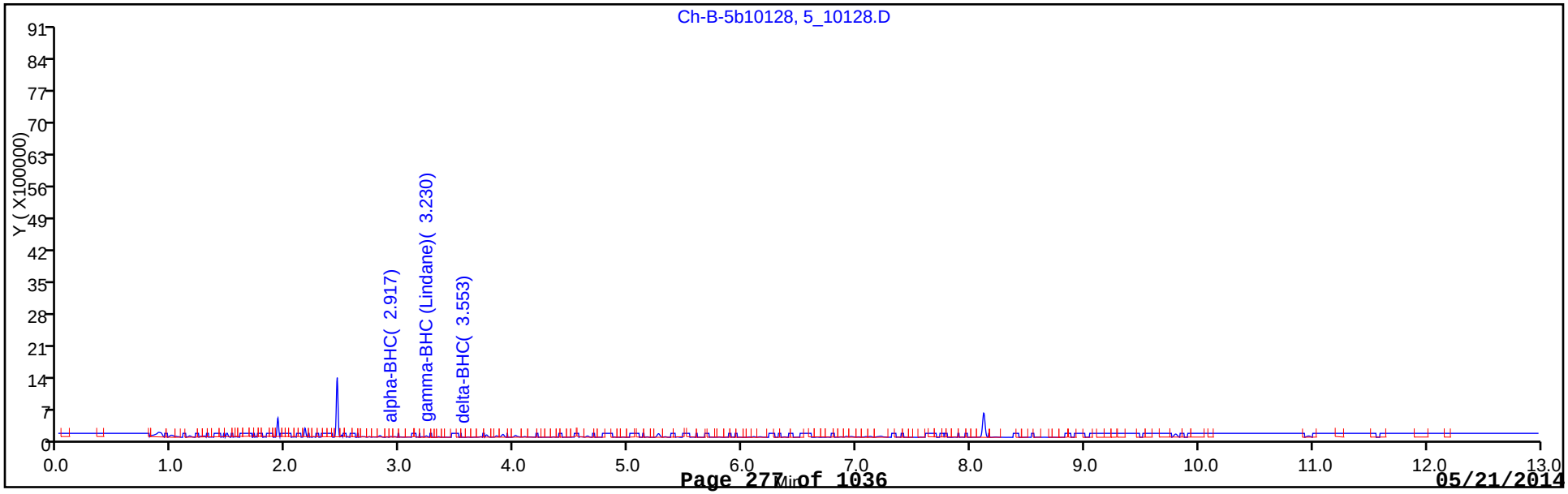
Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10128.D

Injection Date:	09-May-2014 15:36:24	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	480-59386-F-1-A	Lab Sample ID:	480-59386-1	Worklist Smp#:	22
Client ID:	PT2-1(L)				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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.: 480-59386-1

SDG No.:

Client Sample ID: PT2-1(L) | Lab Sample ID: 480-59386-1

Matrix: Water | Lab File ID: 5_10128.D

Analysis Method: 608 | Date Collected: 05/06/2014 14:45

Extraction Method: 3510C | Date Extracted: 05/08/2014 07:12

Sample wt/vol: 1053(mL) | Date Analyzed: 05/09/2014 15:36

Con. Extract Vol.: 10(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.: 181144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	ND		0.047	0.0087
72-55-9	4,4'-DDE	ND		0.047	0.011
50-29-3	4,4'-DDT	ND		0.047	0.010
309-00-2	Aldrin	ND		0.047	0.0063
319-84-6	alpha-BHC	0.012	J	0.047	0.0063
319-85-7	beta-BHC	ND		0.047	0.024
57-74-9	Chlordane (technical)	ND		0.47	0.28
319-86-8	delta-BHC	0.0098	J B	0.047	0.0095
60-57-1	Dieldrin	ND		0.047	0.0093
959-98-8	Endosulfan I	ND		0.047	0.010
33213-65-9	Endosulfan II	ND		0.047	0.011
1031-07-8	Endosulfan sulfate	ND		0.047	0.015
72-20-8	Endrin	ND		0.047	0.013
7421-93-4	Endrin aldehyde	ND		0.047	0.015
58-89-9	gamma-BHC (Lindane)	0.012	J	0.047	0.0057
76-44-8	Heptachlor	ND		0.047	0.0081
1024-57-3	Heptachlor epoxide	ND		0.047	0.0050
8001-35-2	Toxaphene	ND		0.47	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	60		23-120
877-09-8	Tetrachloro-m-xylene	78		36-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10128.D
Lims ID: 480-59386-F-1-A Lab Sample ID: 480-59386-1
Client ID: PT2-1(L)
Sample Type: Client
Inject. Date: 09-May-2014 15:36:24 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#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:27 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

First Level Reviewer: WolfL Date: 12-May-2014 12:33:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene						
1	2.107	2.103	0.004	868177	0.0121	
2	2.447	2.443	0.004	1410196	0.0156	
					RPD = 25.02	
$ 2 DCB Decachlorobiphenyl						
1	7.123	7.117	0.006	667030	0.008686	
2	8.117	8.113	0.004	842940	0.0120	
					RPD = 31.99	
4 alpha-BHC						
1	2.467	2.470	-0.003	10510	0.001737	
2	2.917	2.913	0.004	34533	0.001284	
					RPD = 29.99	
6 gamma-BHC (Lindane)						
1	2.687	2.693	-0.006	9388	0.001576	
2	3.230	3.217	0.013	53489	0.001270	
					RPD = 21.52	
8 delta-BHC						
1	2.870	2.890	-0.020	22441	0.001805	
2	3.553	3.553	0.000	11313	0.001029	
					RPD = 54.74	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags

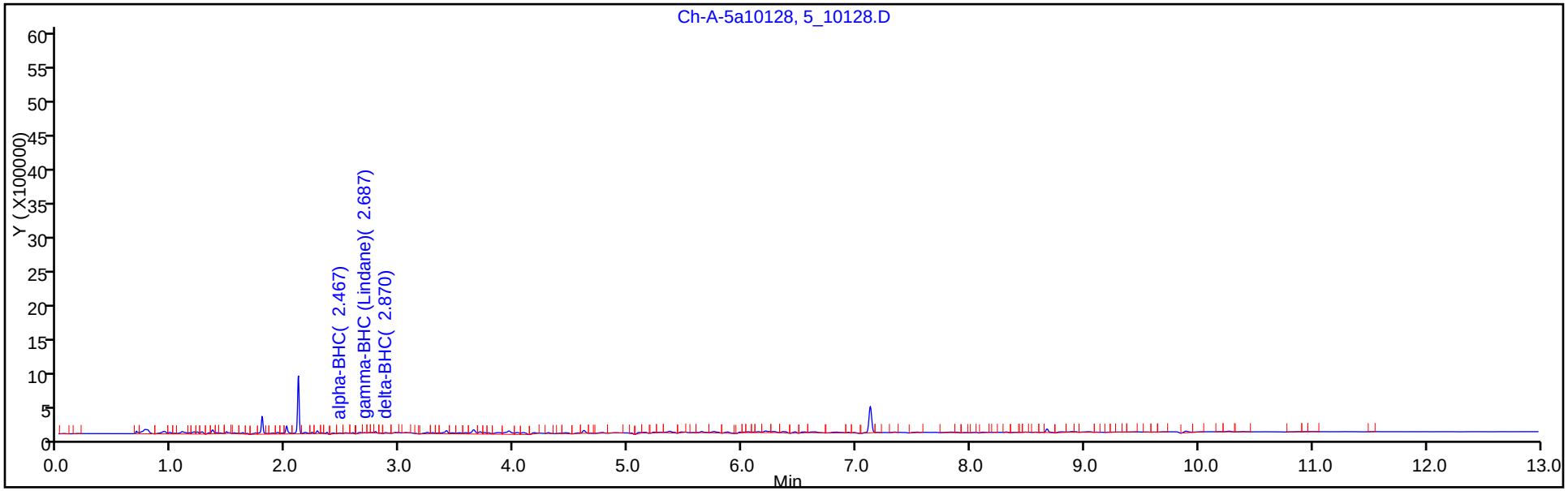
Report Date: 12-May-2014 12:38:33 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

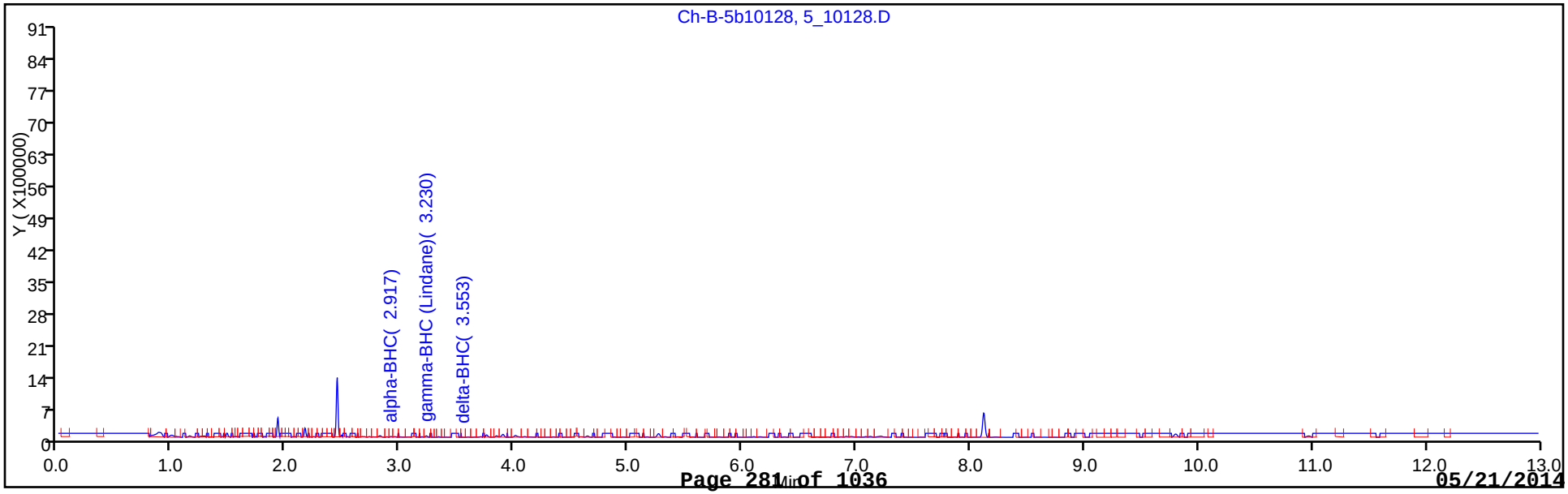
Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10128.D

Injection Date:	09-May-2014 15:36:24	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	480-59386-F-1-A	Lab Sample ID:	480-59386-1	Worklist Smp#:	22
Client ID:	PT2-1(L)				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2014 13:21 Calibration End Date: 03/26/2014 14:32 Calibration ID: 17842

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-172071/10	5__7077.D
Level 2	STD 480-172071/9	5__7076.D
Level 3	STD 480-172071/8	5__7075.D
Level 4	STD 480-172071/7	5__7074.D
Level 5	STD 480-172071/6	5__7073.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
alpha-BHC	2.430	2.430	2.430	2.430	2.430						2.400 - 2.460	2.430
gamma-BHC (Lindane)	2.650	2.650	2.650	2.653	2.653						2.620 - 2.680	2.651
beta-BHC	2.713	2.713	2.713	2.713	2.717						2.683 - 2.743	2.714
delta-BHC	2.843	2.843	2.843	2.847	2.847						2.813 - 2.873	2.845
Heptachlor	3.007	3.010	3.007	3.010	3.010						2.977 - 3.037	3.009
Aldrin	3.250	3.250	3.250	3.253	3.253						3.220 - 3.280	3.251
Heptachlor epoxide	3.787	3.787	3.787	3.790	3.790						3.757 - 3.817	3.788
gamma-Chlordane	3.903	3.907	3.903	3.907	3.907						3.873 - 3.933	3.905
alpha-Chlordane	4.033	4.037	4.033	4.037	4.037						4.003 - 4.063	4.035
4,4'-DDE	4.133	4.133	4.130	4.133	4.133						4.100 - 4.160	4.132
Endosulfan I	4.160	4.163	4.160	4.163	4.163						4.130 - 4.190	4.162
Dieldrin	4.403	4.403	4.403	4.407	4.407						4.373 - 4.433	4.405
Endrin	4.633	4.633	4.633	4.637	4.637						4.603 - 4.663	4.635
4,4'-DDD	4.737	4.740	4.737	4.737	4.740						4.707 - 4.767	4.738
Endosulfan II	4.860	4.863	4.860	4.863	4.863						4.830 - 4.890	4.862
4,4'-DDT	5.023	5.023	5.023	5.027	5.027						4.993 - 5.053	5.025
Endrin aldehyde	5.293	5.293	5.290	5.293	5.297						5.260 - 5.320	5.293
Methoxychlor	5.547	5.547	5.547	5.550	5.550						5.517 - 5.577	5.548
Endosulfan sulfate	5.733	5.733	5.733	5.737	5.737						5.703 - 5.763	5.735
Endrin ketone	6.010	6.010	6.007	6.010	6.013						5.977 - 6.037	6.010
Tetrachloro-m-xylene	2.067	2.067	2.067	2.067	2.067						2.037 - 2.097	2.067
DCB Decachlorobiphenyl	7.060	7.057	7.057	7.063	7.063						7.027 - 7.087	7.060

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2014 13:21 Calibration End Date: 03/26/2014 14:32 Calibration ID: 17842

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-172071/10	5__7077.D
Level 2	STD 480-172071/9	5__7076.D
Level 3	STD 480-172071/8	5__7075.D
Level 4	STD 480-172071/7	5__7074.D
Level 5	STD 480-172071/6	5__7073.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	102410800 136385313	104485900	124674560	131399090	Lin1	-223870.46	134945077							0.9990		0.9900
gamma-BHC (Lindane)	94287400 120879213	94803200	111744420	117284230	Lin1	-179524.48	119887674							0.9990		0.9900
beta-BHC	40690000 44938607	39370200	42504640	43944920	Lin1	-33091.912	44517862.1							1.0000		0.9900
delta-BHC	93454800 122964780	94633100	112751820	119074240	Lin1	-197530.93	121876164							0.9990		0.9900
Heptachlor	87456000 95645027	87305900	95771860	95541010	Lin1	-56227.009	96129911.2							1.0000		0.9900
Aldrin	76302400 90369113	77809500	88770940	89921080	Lin1	-91655.022	90806044.8							1.0000		0.9900
Heptachlor epoxide	88488400 86349047	83456700	88950460	87370590	Lin1	-2047.5392	87060907.0							1.0000		0.9900
gamma-Chlordane	96013400 106311587	89684200	101425860	104473390	Lin1	-90934.453	105704607							0.9990		0.9900
alpha-Chlordane	93430800 102537640	88486100	98839640	101141650	Lin1	-78306.645	102159813							1.0000		0.9900
4,4'-DDE	79220400 99051547	79482600	97210580	100105770	Lin1	-138821.68	100361506							1.0000		0.9900
Endosulfan I	86935600 84068927	86908800	87255140	83700210	Lin1	22939.1505	84229165.9							1.0000		0.9900
Dieldrin	80149600 89159227	81965500	91156100	90302850	Lin1	-56766.229	90368914.7							1.0000		0.9900
Endrin	64674000 71709967	67337500	74424240	70743700	Lin1	-35088.796	72140526.9							1.0000		0.9900
4,4'-DDD	58115200 71443987	59716800	70337700	71252570	Lin1	-86484.258	71996524.7							1.0000		0.9900
Endosulfan II	67107600 69686733	66585500	73008940	71013710	Lin1	-19732.545	70809154.7							1.0000		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.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2014 13:21 Calibration End Date: 03/26/2014 14:32 Calibration ID: 17842

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	60423200 79266953	68030700	76041800	80036300	Lin1	-108504.13	80065735.4							1.0000		0.9900
Endrin aldehyde	73754800 65664387	68778800	71456100	68781440	Lin1	36660.6527	67218621.4							0.9990		0.9900
Methoxychlor	45315400 41488647	45103600	43960140	42302620	Lin1	25635.8186	41907936.2							1.0000		0.9900
Endosulfan sulfate	90483400 86259247	87973500	92246740	88452300	Lin1	20515.1610	87701683.2							0.9990		0.9900
Endrin ketone	109532000 99926867	106310800	108993500	104166640	Lin1	52834.1036	102228465							0.9990		0.9900
Tetrachloro-m-xylene	67162000 78423313	66551500	74447880	76714830	Lin1	-78397.843	77938692.7							1.0000		0.9900
DCB Decachlorobiphenyl	84974600 84974613	65098400	79080700	88375320	Lin1	-77476.070	85717448.7							0.9970		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.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2014 13:21 Calibration End Date: 03/26/2014 14:32 Calibration ID: 17842

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-172071/10	5__7077.D
Level 2	STD 480-172071/9	5__7076.D
Level 3	STD 480-172071/8	5__7075.D
Level 4	STD 480-172071/7	5__7074.D
Level 5	STD 480-172071/6	5__7073.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	512054	1044859	6233728	13139909	20457797	0.00500	0.0100	0.0500	0.100	0.150
gamma-BHC (Lindane)	Lin1	471437	948032	5587221	11728423	18131882	0.00500	0.0100	0.0500	0.100	0.150
beta-BHC	Lin1	203450	393702	2125232	4394492	6740791	0.00500	0.0100	0.0500	0.100	0.150
delta-BHC	Lin1	467274	946331	5637591	11907424	18444717	0.00500	0.0100	0.0500	0.100	0.150
Heptachlor	Lin1	437280	873059	4788593	9554101	14346754	0.00500	0.0100	0.0500	0.100	0.150
Aldrin	Lin1	381512	778095	4438547	8992108	13555367	0.00500	0.0100	0.0500	0.100	0.150
Heptachlor epoxide	Lin1	442442	834567	4447523	8737059	12952357	0.00500	0.0100	0.0500	0.100	0.150
gamma-Chlordane	Lin1	480067	896842	5071293	10447339	15946738	0.00500	0.0100	0.0500	0.100	0.150
alpha-Chlordane	Lin1	467154	884861	4941982	10114165	15380646	0.00500	0.0100	0.0500	0.100	0.150
4,4'-DDE	Lin1	396102	794826	4860529	10010577	14857732	0.00500	0.0100	0.0500	0.100	0.150
Endosulfan I	Lin1	434678	869088	4362757	8370021	12610339	0.00500	0.0100	0.0500	0.100	0.150
Dieldrin	Lin1	400748	819655	4557805	9030285	13373884	0.00500	0.0100	0.0500	0.100	0.150
Endrin	Lin1	323370	673375	3721212	7074370	10756495	0.00500	0.0100	0.0500	0.100	0.150
4,4'-DDD	Lin1	290576	597168	3516885	7125257	10716598	0.00500	0.0100	0.0500	0.100	0.150
Endosulfan II	Lin1	335538	665855	3650447	7101371	10453010	0.00500	0.0100	0.0500	0.100	0.150
4,4'-DDT	Lin1	302116	680307	3802090	8003630	11890043	0.00500	0.0100	0.0500	0.100	0.150
Endrin aldehyde	Lin1	368774	687788	3572805	6878144	9849658	0.00500	0.0100	0.0500	0.100	0.150
Methoxychlor	Lin1	226577	451036	2198007	4230262	6223297	0.00500	0.0100	0.0500	0.100	0.150
Endosulfan sulfate	Lin1	452417	879735	4612337	8845230	12938887	0.00500	0.0100	0.0500	0.100	0.150
Endrin ketone	Lin1	547660	1063108	5449675	10416664	14989030	0.00500	0.0100	0.0500	0.100	0.150
Tetrachloro-m-xylene	Lin1	335810	665515	3722394	7671483	11763497	0.00500	0.0100	0.0500	0.100	0.150
DCB Decachlorobiphenyl	Lin1	424873	650984	3954035	8837532	12746192	0.00500	0.0100	0.0500	0.100	0.150

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7073.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Mar-2014 13:21:43 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#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub5

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:56 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 27-Mar-2014 08:13:30

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene						
1	2.067	2.067	0.0	11763497	0.1519	
2	2.407	2.407	0.0	14067547	0.1507	
					RPD = 0.79	
$ 2 DCB Decachlorobiphenyl						
1	7.063	7.057	0.006	12746192	0.1496	
2	8.063	8.060	0.003	10600167	0.1507	
					RPD = 0.75	
4 alpha-BHC						
1	2.430	2.430	0.0	20457797	0.1533	
2	2.877	2.873	0.004	23696445	0.1511	
					RPD = 1.39	
6 gamma-BHC (Lindane)						
1	2.653	2.650	0.003	18131882	0.1527	
2	3.173	3.173	0.0	21244006	0.1511	
					RPD = 1.08	
7 beta-BHC						
1	2.717	2.713	0.004	6740791	0.1522	
2	3.240	3.240	0.0	8189015	0.1511	
					RPD = 0.73	
8 delta-BHC						
1	2.847	2.843	0.004	18444717	0.1530	
2	3.507	3.503	0.004	21615524	0.1511	
					RPD = 1.21	
9 Heptachlor						
1	3.010	3.007	0.003	14346754	0.1498	
2	3.587	3.583	0.004	19717617	0.1491	
					RPD = 0.52	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
10 Aldrin						
1	3.253	3.250	0.003	13555367	0.1503	
2	3.900	3.897	0.003	19540668	0.1498	
					RPD = 0.32	
13 Heptachlor epoxide						
1	3.790	3.787	0.003	12952357	0.1488	
2	4.470	4.467	0.003	16373157	0.1493	
					RPD = 0.34	
14 gamma-Chlordane						
1	3.907	3.903	0.004	15946738	0.1517	
2	4.667	4.663	0.004	18205856	0.1509	
					RPD = 0.51	
15 alpha-Chlordane						
1	4.037	4.033	0.004	15380646	0.1513	
2	4.817	4.813	0.004	16940746	0.1507	
					RPD = 0.40	
16 4,4'-DDE						
1	4.133	4.130	0.003	14857732	0.1494	
2	4.997	4.993	0.004	16321534	0.1507	
					RPD = 0.88	
18 Endosulfan I						
1	4.163	4.160	0.003	12610339	0.1494	
2	4.873	4.870	0.003	14677486	0.1497	
					RPD = 0.14	
19 Dieldrin						
1	4.407	4.403	0.004	13373884	0.1486	
2	5.153	5.150	0.003	16813556	0.1500	
					RPD = 0.95	
20 Endrin						
1	4.637	4.633	0.004	10756495	0.1496	
2	5.457	5.453	0.004	13346038	0.1506	
					RPD = 0.67	
22 4,4'-DDD						
1	4.740	4.737	0.003	10716598	0.1501	
2	5.587	5.583	0.004	13475809	0.1511	
					RPD = 0.68	
23 Endosulfan II						
1	4.863	4.860	0.003	10453010	0.1479	
2	5.670	5.667	0.003	13575798	0.1500	
					RPD = 1.42	
26 4,4'-DDT						
1	5.027	5.023	0.004	11890043	0.1499	
2	5.907	5.903	0.004	14112347	0.1520	
					RPD = 1.43	
28 Endrin aldehyde						
1	5.297	5.290	0.007	9849658	0.1460	
2	6.007	6.003	0.004	10296402	0.1487	
					RPD = 1.85	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
29 Methoxychlor						
1	5.550	5.547	0.003	6223297	0.1479	
2	6.593	6.590	0.003	6170456	0.1513	
					RPD = 2.27	
30 Endosulfan sulfate						
1	5.737	5.733	0.004	12938887	0.1473	
2	6.290	6.287	0.003	12125309	0.1504	
					RPD = 2.06	
31 Endrin ketone						
1	6.013	6.007	0.006	14989030	0.1461	
2	6.813	6.810	0.003	13742732	0.1498	
					RPD = 2.52	
S 35 BHC, Total						
1					0.6111	
2					0.6044	
					RPD = 1.10	

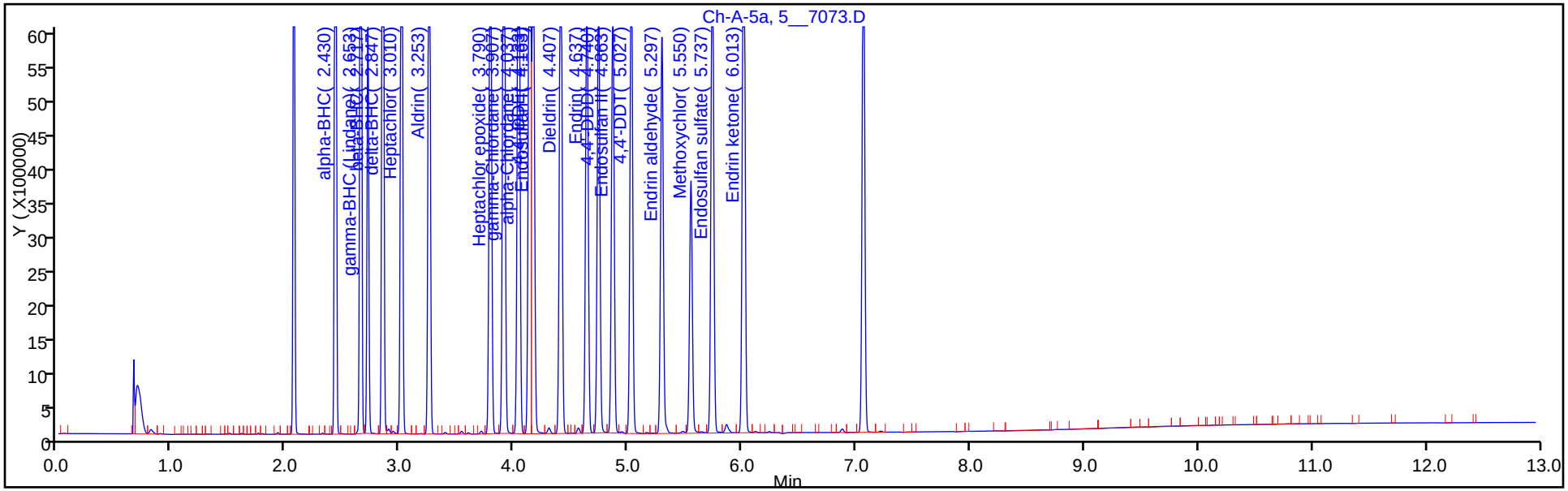
Report Date: 28-Mar-2014 10:55:56 Chrom Revision: 2.2 12-Mar-2014 11:19:24

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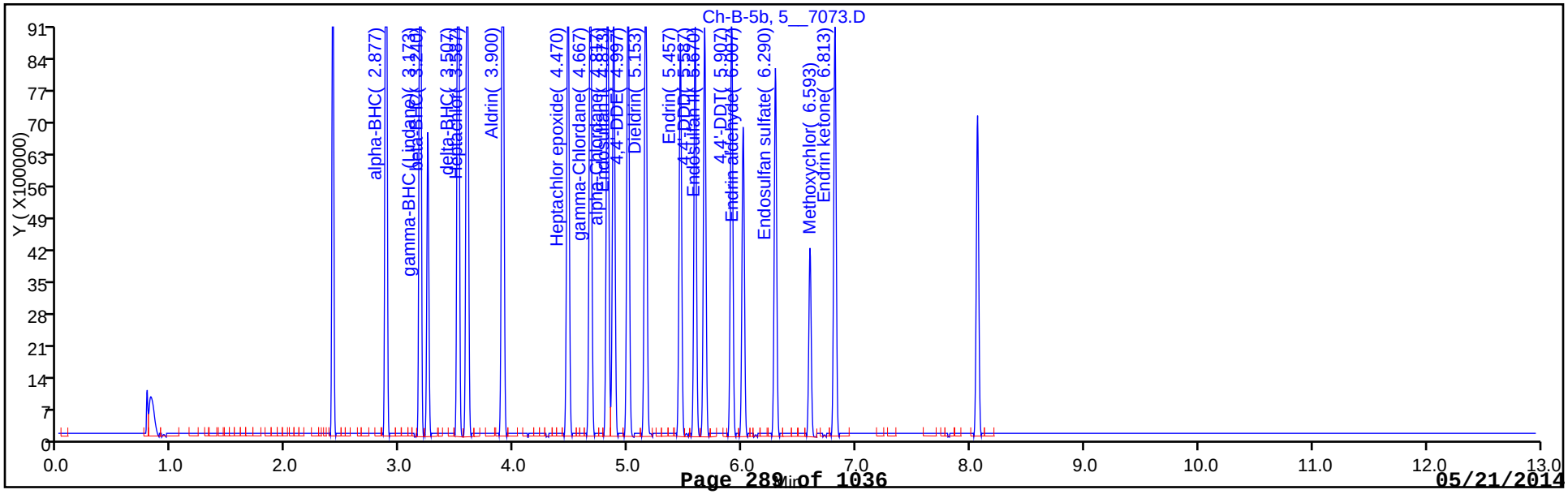
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Injection Date:	26-Mar-2014 13:21:43	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

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\HP6890-05\20140326-30487.b\5__7074.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Mar-2014 13:39:19 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#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub5

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:58 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: RudzG Date: 27-Mar-2014 10:00:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene						
1	2.067	2.067	0.0	7671483	0.0994	
2	2.407	2.407	0.0	9298964	0.0998	
					RPD = 0.40	
$ 2 DCB Decachlorobiphenyl						
1	7.063	7.057	0.006	8837532	0.1040	
2	8.063	8.060	0.003	7023677	0.0999	
					RPD = 4.05	
4 alpha-BHC						
1	2.430	2.430	0.0	13139909	0.0990	
2	2.873	2.873	0.0	15579285	0.0997	
					RPD = 0.70	
6 gamma-BHC (Lindane)						
1	2.653	2.650	0.003	11728423	0.0993	
2	3.173	3.173	0.0	13982372	0.0998	
					RPD = 0.43	
7 beta-BHC						
1	2.713	2.713	0.0	4394492	0.0995	
2	3.240	3.240	0.0	5396307	0.0996	
					RPD = 0.18	
8 delta-BHC						
1	2.847	2.843	0.004	11907424	0.0993	
2	3.507	3.503	0.004	14217753	0.0997	
					RPD = 0.41	
9 Heptachlor						
1	3.010	3.007	0.003	9554101	0.1000	
2	3.587	3.583	0.004	13274110	0.1004	
					RPD = 0.47	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
10 Aldrin						
1	3.253	3.250	0.003	8992108	0.1000	
2	3.897	3.897	0.0	13039638	0.1002	
					RPD = 0.12	
13 Heptachlor epoxide						
1	3.790	3.787	0.003	8737059	0.1004	
2	4.470	4.467	0.003	11007564	0.1005	
					RPD = 0.09	
14 gamma-Chlordane						
1	3.907	3.903	0.004	10447339	0.0997	
2	4.667	4.663	0.004	12003040	0.0998	
					RPD = 0.10	
15 alpha-Chlordane						
1	4.037	4.033	0.004	10114165	0.0998	
2	4.817	4.813	0.004	11186741	0.0997	
					RPD = 0.02	
16 4,4'-DDE						
1	4.133	4.130	0.003	10010577	0.1011	
2	4.997	4.993	0.004	10795520	0.1001	
					RPD = 1.03	
18 Endosulfan I						
1	4.163	4.160	0.003	8370021	0.0991	
2	4.870	4.870	0.0	9813105	0.1002	
					RPD = 1.10	
19 Dieldrin						
1	4.407	4.403	0.004	9030285	0.1006	
2	5.153	5.150	0.003	11187108	0.1001	
					RPD = 0.50	
20 Endrin						
1	4.637	4.633	0.004	7074370	0.0986	
2	5.457	5.453	0.004	8789895	0.0995	
					RPD = 0.93	
22 4,4'-DDD						
1	4.737	4.737	0.0	7125257	0.1002	
2	5.587	5.583	0.004	8872294	0.0998	
					RPD = 0.41	
23 Endosulfan II						
1	4.863	4.860	0.003	7101371	0.1006	
2	5.670	5.667	0.003	9030491	0.1000	
					RPD = 0.60	
26 4,4'-DDT						
1	5.027	5.023	0.004	8003630	0.1013	
2	5.907	5.903	0.004	9190858	0.0994	
					RPD = 1.87	
28 Endrin aldehyde						
1	5.293	5.290	0.003	6878144	0.1018	
2	6.007	6.003	0.004	6976290	0.1009	
					RPD = 0.89	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
29 Methoxychlor						
1	5.550	5.547	0.003	4230262	0.1003	
2	6.593	6.590	0.003	4038390	0.0993	
					RPD = 1.08	
30 Endosulfan sulfate						
1	5.737	5.733	0.004	8845230	0.1006	
2	6.290	6.287	0.003	8037022	0.0999	
					RPD = 0.68	
31 Endrin ketone						
1	6.010	6.007	0.003	10416664	0.1014	
2	6.813	6.810	0.003	9202240	0.1005	
					RPD = 0.82	
S 35 BHC, Total						
1					0.3971	
2					0.3988	
					RPD = 0.43	

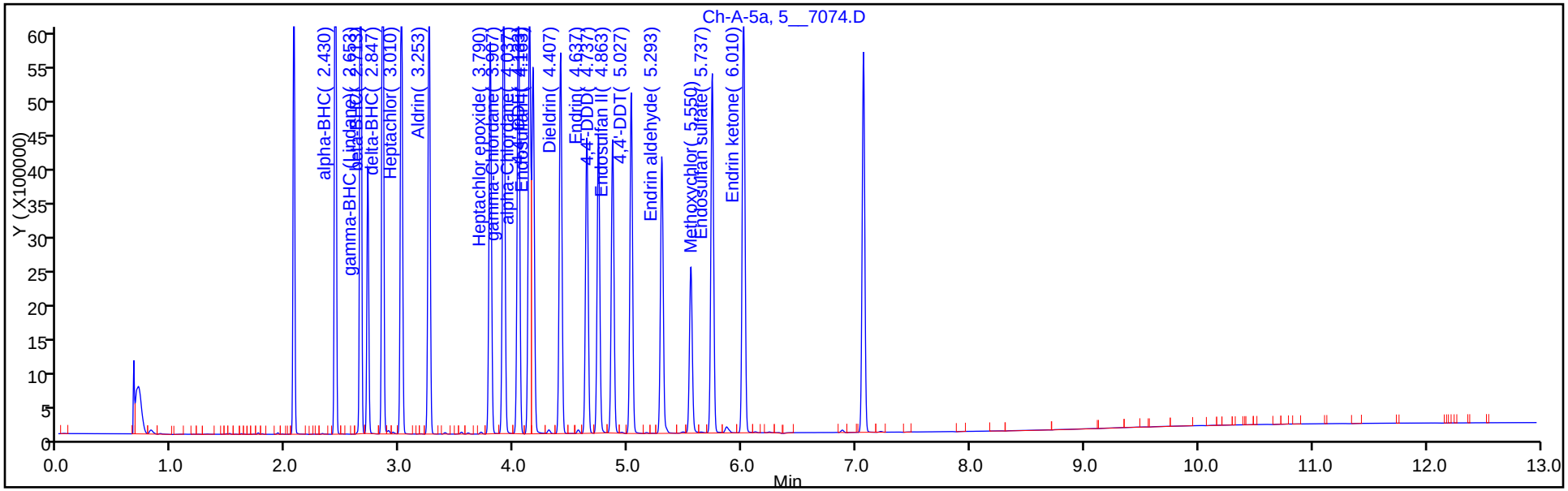
Report Date: 28-Mar-2014 10:55:59 Chrom Revision: 2.2 12-Mar-2014 11:19:24

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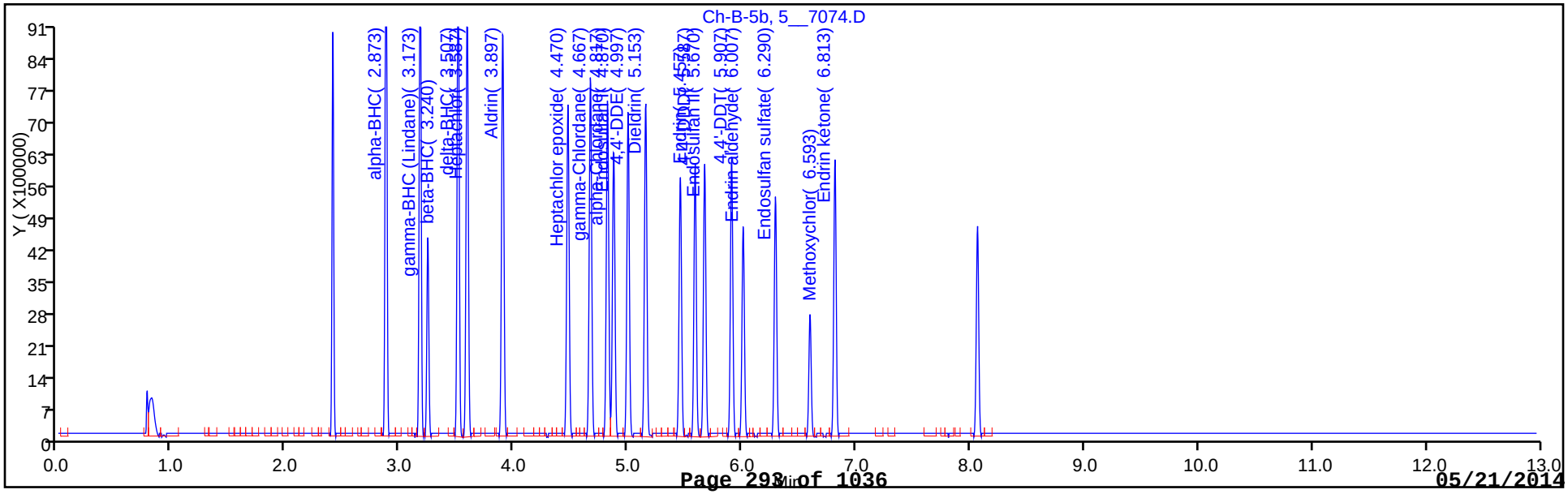
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Injection Date:	26-Mar-2014 13:39:19	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

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\HP6890-05\20140326-30487.b\5__7075.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 26-Mar-2014 13:56:55 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#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub5

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:56:03 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene						
1	2.067	2.067	0.0	3722394	0.0488	
2	2.407	2.407	0.0	4596371	0.0496	
					RPD = 1.76	
$ 2 DCB Decachlorobiphenyl						
1	7.057	7.057	0.0	3954035	0.0470	
2	8.060	8.060	0.0	3478287	0.0495	
					RPD = 5.04	
4 alpha-BHC						
1	2.430	2.430	0.0	6233728	0.0479	
2	2.873	2.873	0.0	7621793	0.0493	
					RPD = 3.05	
6 gamma-BHC (Lindane)						
1	2.650	2.650	0.0	5587221	0.0481	
2	3.173	3.173	0.0	6850031	0.0493	
					RPD = 2.51	
7 beta-BHC						
1	2.713	2.713	0.0	2125232	0.0485	
2	3.240	3.240	0.0	2670281	0.0494	
					RPD = 1.94	
8 delta-BHC						
1	2.843	2.843	0.0	5637591	0.0479	
2	3.503	3.503	0.0	6967773	0.0494	
					RPD = 3.05	
9 Heptachlor						
1	3.007	3.007	0.0	4788593	0.0504	
2	3.583	3.583	0.0	6683808	0.0507	
					RPD = 0.66	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
10 Aldrin						
1	3.250	3.250	0.0	4438547	0.0499	
2	3.897	3.897	0.0	6502840	0.0502	
					RPD = 0.71	
13 Heptachlor epoxide						
1	3.787	3.787	0.0	4447523	0.0511	
2	4.467	4.467	0.0	5505651	0.0504	
					RPD = 1.41	
14 gamma-Chlordane						
1	3.903	3.903	0.0	5071293	0.0488	
2	4.663	4.663	0.0	5896561	0.0494	
					RPD = 1.21	
15 alpha-Chlordane						
1	4.033	4.033	0.0	4941982	0.0491	
2	4.813	4.813	0.0	5536876	0.0497	
					RPD = 1.12	
16 4,4'-DDE						
1	4.130	4.130	0.0	4860529	0.0498	
2	4.993	4.993	0.0	5264822	0.0494	
					RPD = 0.82	
18 Endosulfan I						
1	4.160	4.160	0.0	4362757	0.0515	
2	4.870	4.870	0.0	4904908	0.0503	
					RPD = 2.42	
19 Dieldrin						
1	4.403	4.403	0.0	4557805	0.0511	
2	5.150	5.150	0.0	5565436	0.0501	
					RPD = 1.90	
20 Endrin						
1	4.633	4.633	0.0	3721212	0.0521	
2	5.453	5.453	0.0	4374514	0.0499	
					RPD = 4.19	
22 4,4'-DDD						
1	4.737	4.737	0.0	3516885	0.0500	
2	5.583	5.583	0.0	4349900	0.0494	
					RPD = 1.40	
23 Endosulfan II						
1	4.860	4.860	0.0	3650447	0.0518	
2	5.667	5.667	0.0	4515463	0.0503	
					RPD = 3.10	
26 4,4'-DDT						
1	5.023	5.023	0.0	3802090	0.0488	
2	5.903	5.903	0.0	4439370	0.0487	
					RPD = 0.33	
28 Endrin aldehyde						
1	5.290	5.290	0.0	3572805	0.0526	
2	6.003	6.003	0.0	3494317	0.0507	
					RPD = 3.68	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
29 Methoxychlor						
1	5.547	5.547	0.0	2198007	0.0518	
2	6.590	6.590	0.0	2000906	0.0495	
					RPD = 4.54	
30 Endosulfan sulfate						
1	5.733	5.733	0.0	4612337	0.0524	
2	6.287	6.287	0.0	3983257	0.0500	
					RPD = 4.70	
31 Endrin ketone						
1	6.007	6.007	0.0	5449675	0.0528	
2	6.810	6.810	0.0	4529371	0.0498	
					RPD = 5.79	
S 35 BHC, Total						
1					0.1923	
2					0.1975	
					RPD = 2.64	

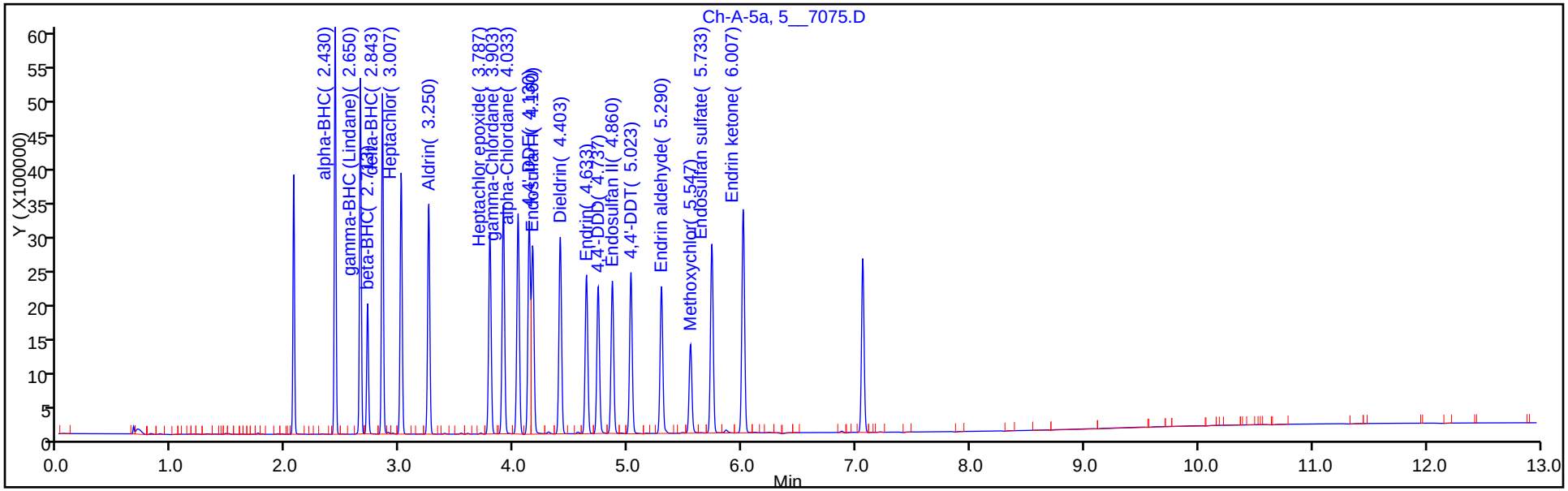
Report Date: 28-Mar-2014 10:56:04 Chrom Revision: 2.2 12-Mar-2014 11:19:24

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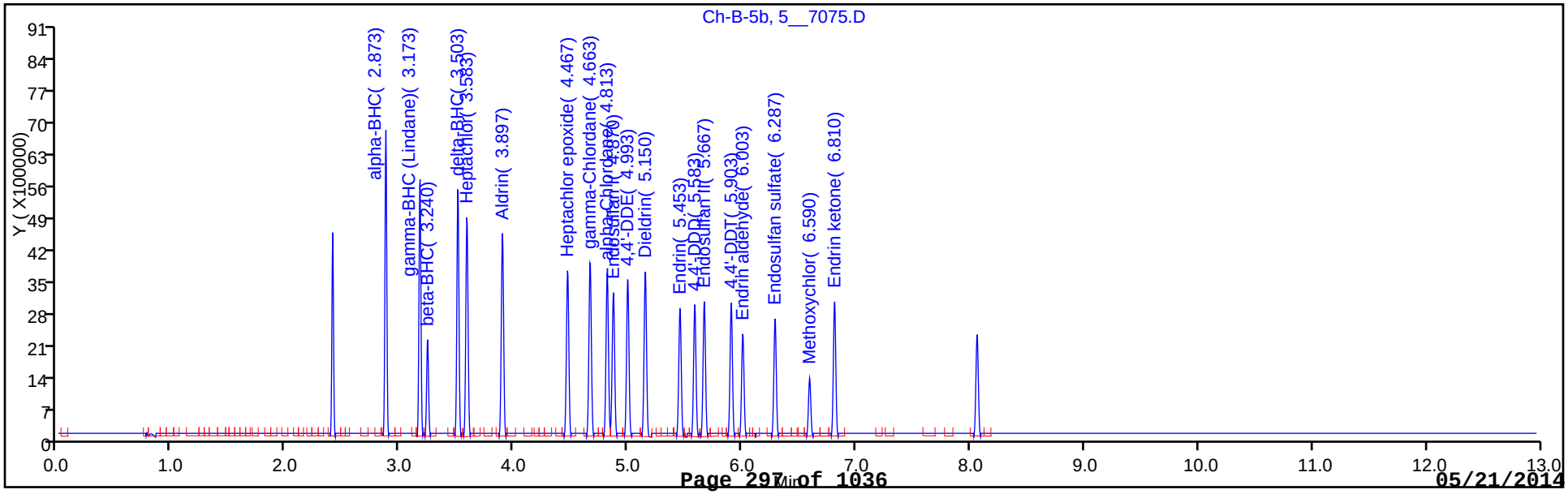
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Injection Date:	26-Mar-2014 13:56:55	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

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\HP6890-05\20140326-30487.b\5__7076.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Mar-2014 14:14:29 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#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub5

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:56:06 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene						
1	2.067	2.067	0.0	665515	0.009545	
2	2.407	2.407	0.0	842277	0.009555	
					RPD = 0.11	
$ 2 DCB Decachlorobiphenyl						
1	7.057	7.057	0.0	650984	0.008498	
2	8.060	8.060	0.0	687524	0.009783	
					RPD = 14.05	
4 alpha-BHC						
1	2.430	2.430	0.0	1044859	0.009402	
2	2.873	2.873	0.0	1332304	0.009503	
					RPD = 1.07	
6 gamma-BHC (Lindane)						
1	2.650	2.650	0.0	948032	0.009405	
2	3.173	3.173	0.0	1224781	0.009551	
					RPD = 1.54	
7 beta-BHC						
1	2.713	2.713	0.0	393702	0.009587	
2	3.240	3.240	0.0	511240	0.009676	
					RPD = 0.92	
8 delta-BHC						
1	2.843	2.843	0.0	946331	0.009385	
2	3.507	3.503	0.004	1228037	0.009483	
					RPD = 1.03	
9 Heptachlor						
1	3.010	3.007	0.003	873059	0.009667	
2	3.587	3.583	0.004	1239547	0.009660	
					RPD = 0.08	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
10 Aldrin						
1	3.250	3.250	0.0	778095	0.009578	
2	3.897	3.897	0.0	1185811	0.009644	
					RPD = 0.69	
13 Heptachlor epoxide						
1	3.787	3.787	0.0	834567	0.009610	
2	4.467	4.467	0.0	1037601	0.009727	
					RPD = 1.21	
14 gamma-Chlordane						
1	3.907	3.903	0.004	896842	0.009345	
2	4.667	4.663	0.004	1066434	0.009595	
					RPD = 2.64	
15 alpha-Chlordane						
1	4.037	4.033	0.004	884861	0.009428	
2	4.817	4.813	0.004	1013317	0.009624	
					RPD = 2.05	
16 4,4'-DDE						
1	4.133	4.130	0.003	794826	0.009303	
2	4.997	4.993	0.004	905498	0.009453	
					RPD = 1.60	
18 Endosulfan I						
1	4.163	4.160	0.003	869088	0.0100	
2	4.870	4.870	0.0	919914	0.009778	
					RPD = 2.70	
19 Dieldrin						
1	4.403	4.403	0.0	819655	0.009698	
2	5.150	5.150	0.0	1010870	0.009636	
					RPD = 0.65	
20 Endrin						
1	4.633	4.633	0.0	673375	0.009821	
2	5.453	5.453	0.0	813217	0.0100	
					RPD = 1.59	
22 4,4'-DDD						
1	4.740	4.737	0.003	597168	0.009496	
2	5.583	5.583	0.0	779542	0.009558	
					RPD = 0.65	
23 Endosulfan II						
1	4.863	4.860	0.003	665855	0.009682	
2	5.667	5.667	0.0	820690	0.009563	
					RPD = 1.24	
26 4,4'-DDT						
1	5.023	5.023	0.0	680307	0.009852	
2	5.903	5.903	0.0	772871	0.009513	
					RPD = 3.50	
28 Endrin aldehyde						
1	5.293	5.290	0.003	687788	0.009687	
2	6.007	6.003	0.004	638751	0.009558	
					RPD = 1.33	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
29 Methoxychlor						
1	5.547	5.547	0.0	451036	0.0102	
2	6.593	6.590	0.003	371422	0.009772	
					RPD = 3.80	
30 Endosulfan sulfate						
1	5.733	5.733	0.0	879735	0.009797	
2	6.290	6.287	0.003	702348	0.009495	
					RPD = 3.14	
31 Endrin ketone						
1	6.010	6.007	0.003	1063108	0.009883	
2	6.810	6.810	0.0	822967	0.009589	
					RPD = 3.01	
S 35 BHC, Total						
1					0.0378	
2					0.0382	
					RPD = 1.14	

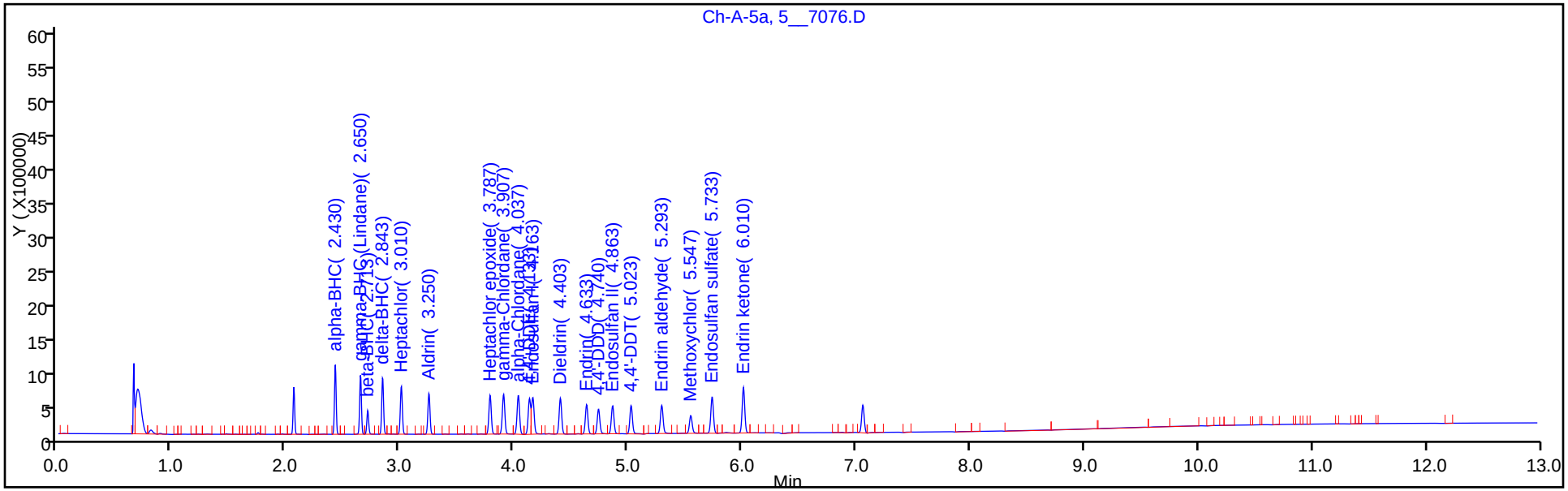
Report Date: 28-Mar-2014 10:56:06 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

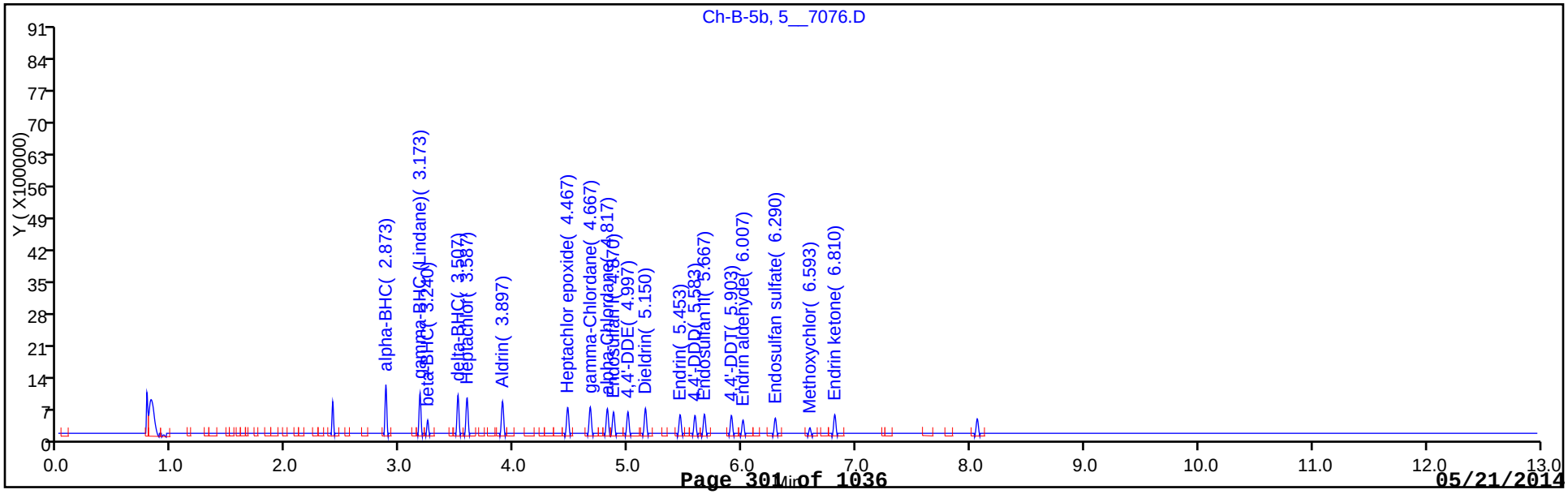
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Injection Date:	26-Mar-2014 14:14:29	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

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\HP6890-05\20140326-30487.b\5__7077.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 26-Mar-2014 14:32:16 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#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub5

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:56:09 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 27-Mar-2014 10:54:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene						
1	2.067	2.067	0.0	335810	0.005315	
2	2.407	2.407	0.0	438357	0.005243	
					RPD = 1.35	
$ 2 DCB Decachlorobiphenyl						
1	7.060	7.057	0.003	424873	0.005861	
2	8.060	8.060	0.0	361264	0.005144	
					RPD = 13.03	
4 alpha-BHC						
1	2.430	2.430	0.0	512054	0.005454	
2	2.873	2.873	0.0	667167	0.005290	
					RPD = 3.04	
6 gamma-BHC (Lindane)						
1	2.650	2.650	0.0	471437	0.005430	
2	3.170	3.173	-0.003	618874	0.005267	
					RPD = 3.04	
7 beta-BHC						
1	2.713	2.713	0.0	203450	0.005313	
2	3.240	3.240	0.0	268267	0.005202	
					RPD = 2.12	
8 delta-BHC						
1	2.843	2.843	0.0	467274	0.005455	
2	3.503	3.503	0.0	625816	0.005299	
					RPD = 2.91	
9 Heptachlor						
1	3.007	3.007	0.0	437280	0.005134	
2	3.583	3.583	0.0	635953	0.005106	
					RPD = 0.54	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
10 Aldrin						
1	3.250	3.250	0.0	381512	0.005211	
2	3.897	3.897	0.0	597534	0.005152	
					RPD = 1.13	
13 Heptachlor epoxide						
1	3.787	3.787	0.0	442442	0.005106	
2	4.467	4.467	0.0	528889	0.005097	
					RPD = 0.18	
14 gamma-Chlordane						
1	3.903	3.903	0.0	480067	0.005402	
2	4.663	4.663	0.0	538224	0.005239	
					RPD = 3.07	
15 alpha-Chlordane						
1	4.033	4.033	0.0	467154	0.005339	
2	4.813	4.813	0.0	514774	0.005207	
					RPD = 2.51	
16 4,4'-DDE						
1	4.133	4.130	0.003	396102	0.005330	
2	4.997	4.993	0.004	452751	0.005303	
					RPD = 0.50	
18 Endosulfan I						
1	4.160	4.160	0.0	434678	0.004888	
2	4.870	4.870	0.0	458113	0.005083	
					RPD = 3.91	
19 Dieldrin						
1	4.403	4.403	0.0	400748	0.005063	
2	5.150	5.150	0.0	508026	0.005168	
					RPD = 2.06	
20 Endrin						
1	4.633	4.633	0.0	323370	0.004969	
2	5.453	5.453	0.0	371724	0.005024	
					RPD = 1.11	
22 4,4'-DDD						
1	4.737	4.737	0.0	290576	0.005237	
2	5.583	5.583	0.0	394133	0.005262	
					RPD = 0.48	
23 Endosulfan II						
1	4.860	4.860	0.0	335538	0.005017	
2	5.667	5.667	0.0	423937	0.005194	
					RPD = 3.46	
26 4,4'-DDT						
1	5.023	5.023	0.0	302116	0.005129	
2	5.903	5.903	0.0	381785	0.005335	
					RPD = 3.95	
28 Endrin aldehyde						
1	5.293	5.290	0.003	368774	0.004941	
2	6.003	6.003	0.0	332764	0.005150	
					RPD = 4.14	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
29 Methoxychlor						
1	5.547	5.547	0.0	226577	0.004795	
2	6.590	6.590	0.0	182201	0.005155	
					RPD = 7.24	
30 Endosulfan sulfate						
1	5.733	5.733	0.0	452417	0.004925	
2	6.287	6.287	0.0	357994	0.005248	
					RPD = 6.36	
31 Endrin ketone						
1	6.010	6.007	0.003	547660	0.004840	
2	6.810	6.810	0.0	418708	0.005201	
					RPD = 7.18	
S 35 BHC, Total						
1					0.0217	
2					0.0211	
					RPD = 2.78	

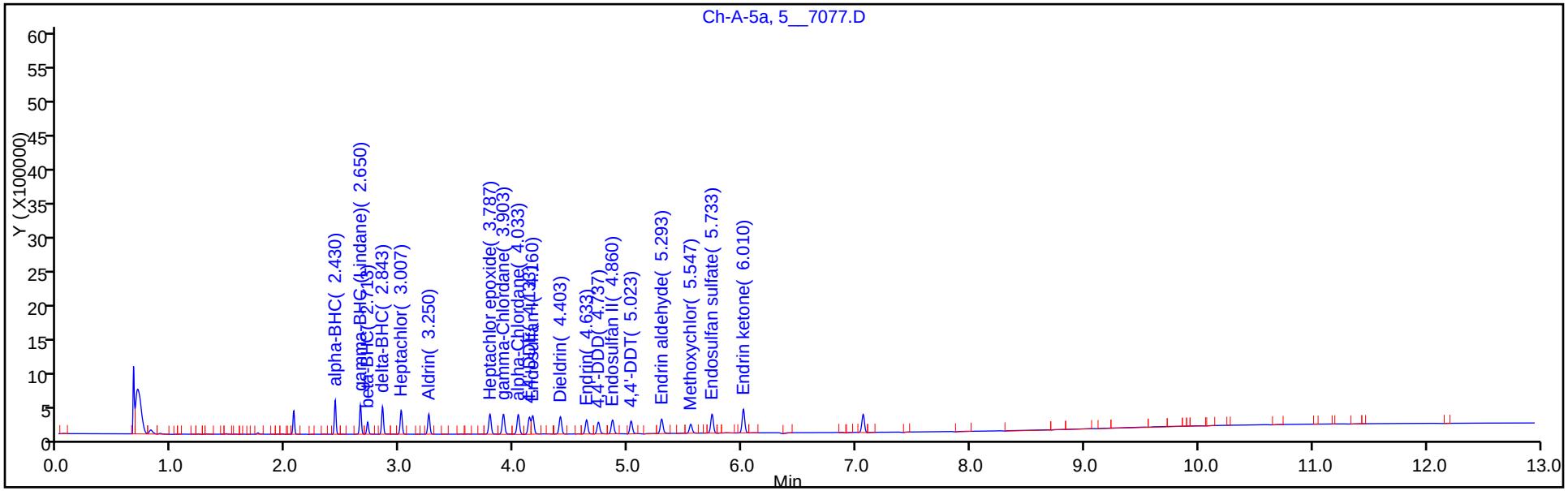
Report Date: 28-Mar-2014 10:56:09 Chrom Revision: 2.2 12-Mar-2014 11:19:24

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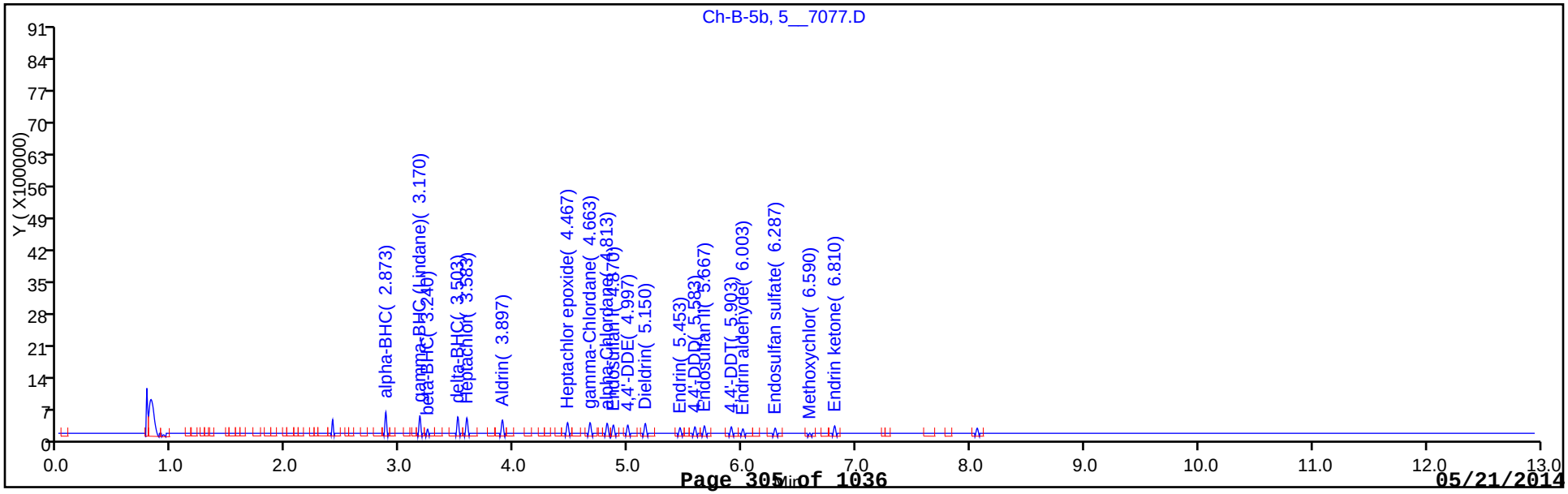
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Injection Date:	26-Mar-2014 14:32:16	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

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.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2014 13:21 Calibration End Date: 03/26/2014 14:32 Calibration ID: 17843

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-172071/10	5__7077.D
Level 2	STD 480-172071/9	5__7076.D
Level 3	STD 480-172071/8	5__7075.D
Level 4	STD 480-172071/7	5__7074.D
Level 5	STD 480-172071/6	5__7073.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
alpha-BHC	2.873	2.873	2.873	2.873	2.877						2.843 - 2.903	2.874
gamma-BHC (Lindane)	3.170	3.173	3.173	3.173	3.173						3.143 - 3.203	3.172
beta-BHC	3.240	3.240	3.240	3.240	3.240						3.210 - 3.270	3.240
delta-BHC	3.503	3.507	3.503	3.507	3.507						3.473 - 3.533	3.505
Heptachlor	3.583	3.587	3.583	3.587	3.587						3.553 - 3.613	3.585
Aldrin	3.897	3.897	3.897	3.897	3.900						3.867 - 3.927	3.898
Heptachlor epoxide	4.467	4.467	4.467	4.470	4.470						4.437 - 4.497	4.468
gamma-Chlordane	4.663	4.667	4.663	4.667	4.667						4.633 - 4.693	4.665
alpha-Chlordane	4.813	4.817	4.813	4.817	4.817						4.783 - 4.843	4.815
Endosulfan I	4.870	4.870	4.870	4.870	4.873						4.840 - 4.900	4.871
4,4'-DDE	4.997	4.997	4.993	4.997	4.997						4.963 - 5.023	4.996
Dieldrin	5.150	5.150	5.150	5.153	5.153						5.120 - 5.180	5.151
Endrin	5.453	5.453	5.453	5.457	5.457						5.423 - 5.483	5.455
4,4'-DDD	5.583	5.583	5.583	5.587	5.587						5.553 - 5.613	5.585
Endosulfan II	5.667	5.667	5.667	5.670	5.670						5.637 - 5.697	5.668
4,4'-DDT	5.903	5.903	5.903	5.907	5.907						5.873 - 5.933	5.905
Endrin aldehyde	6.003	6.007	6.003	6.007	6.007						5.973 - 6.033	6.005
Endosulfan sulfate	6.287	6.290	6.287	6.290	6.290						6.257 - 6.317	6.289
Methoxychlor	6.590	6.593	6.590	6.593	6.593						6.560 - 6.620	6.592
Endrin ketone	6.810	6.810	6.810	6.813	6.813						6.780 - 6.840	6.811
Tetrachloro-m-xylene	2.407	2.407	2.407	2.407	2.407						2.377 - 2.437	2.407
DCB Decachlorobiphenyl	8.060	8.060	8.060	8.063	8.063						8.030 - 8.090	8.061

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2014 13:21 Calibration End Date: 03/26/2014 14:32 Calibration ID: 17843

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-172071/10	5__7077.D
Level 2	STD 480-172071/9	5__7076.D
Level 3	STD 480-172071/8	5__7075.D
Level 4	STD 480-172071/7	5__7074.D
Level 5	STD 480-172071/6	5__7073.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	133433400 157976300	133230400	152435860	155792850	Lin1	-168183.77	157898136							1.0000		0.9900
gamma-BHC (Lindane)	123774800 141626707	122478100	137000620	139823720	Lin1	-126077.44	141430004							1.0000		0.9900
beta-BHC	53653400 54593433	51124000	53405620	53963070	Lin1	-14220.853	54305442.1							1.0000		0.9900
delta-BHC	125163200 144103493	122803700	139355460	142177530	Lin1	-136822.32	143933380							1.0000		0.9900
Heptachlor	127190600 131450780	123954700	133676160	132741100	Lin1	-40912.682	132557455							1.0000		0.9900
Aldrin	119506800 130271120	118581100	130056800	130396380	Lin1	-77194.473	130960201							1.0000		0.9900
Heptachlor epoxide	105777800 109154380	103760100	110113020	110075640	Lin1	-31052.608	109867064							1.0000		0.9900
gamma-Chlordane	107644800 121372373	106643400	117931220	120030400	Lin1	-96972.043	121253890							1.0000		0.9900
alpha-Chlordane	102954800 112938307	101331700	110737520	111867410	Lin1	-72990.783	112880660							1.0000		0.9900
Endosulfan I	91622600 97849907	91991400	98098160	98131050	Lin1	-41879.065	98358480.4							1.0000		0.9900
4,4'-DDE	90550200 108810227	90549800	105296440	107955200	Lin1	-125905.45	109110007							1.0000		0.9900
Dieldrin	101605200 112090373	101087000	111308720	111871080	Lin1	-73619.154	112549498							1.0000		0.9900
Endrin	74344800 88973587	81321700	87490280	87898950	Lin1	-76097.535	89129764.1							1.0000		0.9900
4,4'-DDD	78826600 89838727	77954200	86998000	88722940	Lin1	-77990.660	89719464.4							1.0000		0.9900
Endosulfan II	84787400 90505320	82069000	90309260	90304910	Lin1	-47742.007	90809806.5							1.0000		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.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2014 13:21 Calibration End Date: 03/26/2014 14:32 Calibration ID: 17843

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	76357000 94082313	77287100	88787400	91908580	Lin1	-117620.00	93604225.4							1.0000		0.9900
Endrin aldehyde	66552800 68642680	63875100	69886340	69762900	Lin1	-24625.252	69402064.3							1.0000		0.9900
Endosulfan sulfate	71598800 80835393	70234800	79665140	80370220	Lin1	-67585.178	81091606.0							1.0000		0.9900
Methoxychlor	36440200 41136373	37142200	40018120	40383900	Lin1	-29041.642	40979629.2							1.0000		0.9900
Endrin ketone	83741600 91618213	82296700	90587420	92022400	Lin1	-60409.562	92120843.8							1.0000		0.9900
Tetrachloro-m-xylene	87671400 93783647	84227700	91927420	92989640	Lin1	-52790.141	93674497.5							1.0000		0.9900
DCB Decachlorobiphenyl	72252800 70667780	68752400	69565740	70236770	Lin1	-491.24800	70328175.4							1.0000		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.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2014 13:21 Calibration End Date: 03/26/2014 14:32 Calibration ID: 17843

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-172071/10	5__7077.D
Level 2	STD 480-172071/9	5__7076.D
Level 3	STD 480-172071/8	5__7075.D
Level 4	STD 480-172071/7	5__7074.D
Level 5	STD 480-172071/6	5__7073.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	667167	1332304	7621793	15579285	23696445	0.00500	0.0100	0.0500	0.100	0.150
gamma-BHC (Lindane)	Lin1	618874	1224781	6850031	13982372	21244006	0.00500	0.0100	0.0500	0.100	0.150
beta-BHC	Lin1	268267	511240	2670281	5396307	8189015	0.00500	0.0100	0.0500	0.100	0.150
delta-BHC	Lin1	625816	1228037	6967773	14217753	21615524	0.00500	0.0100	0.0500	0.100	0.150
Heptachlor	Lin1	635953	1239547	6683808	13274110	19717617	0.00500	0.0100	0.0500	0.100	0.150
Aldrin	Lin1	597534	1185811	6502840	13039638	19540668	0.00500	0.0100	0.0500	0.100	0.150
Heptachlor epoxide	Lin1	528889	1037601	5505651	11007564	16373157	0.00500	0.0100	0.0500	0.100	0.150
gamma-Chlordane	Lin1	538224	1066434	5896561	12003040	18205856	0.00500	0.0100	0.0500	0.100	0.150
alpha-Chlordane	Lin1	514774	1013317	5536876	11186741	16940746	0.00500	0.0100	0.0500	0.100	0.150
Endosulfan I	Lin1	458113	919914	4904908	9813105	14677486	0.00500	0.0100	0.0500	0.100	0.150
4,4'-DDE	Lin1	452751	905498	5264822	10795520	16321534	0.00500	0.0100	0.0500	0.100	0.150
Dieldrin	Lin1	508026	1010870	5565436	11187108	16813556	0.00500	0.0100	0.0500	0.100	0.150
Endrin	Lin1	371724	813217	4374514	8789895	13346038	0.00500	0.0100	0.0500	0.100	0.150
4,4'-DDD	Lin1	394133	779542	4349900	8872294	13475809	0.00500	0.0100	0.0500	0.100	0.150
Endosulfan II	Lin1	423937	820690	4515463	9030491	13575798	0.00500	0.0100	0.0500	0.100	0.150
4,4'-DDT	Lin1	381785	772871	4439370	9190858	14112347	0.00500	0.0100	0.0500	0.100	0.150
Endrin aldehyde	Lin1	332764	638751	3494317	6976290	10296402	0.00500	0.0100	0.0500	0.100	0.150
Endosulfan sulfate	Lin1	357994	702348	3983257	8037022	12125309	0.00500	0.0100	0.0500	0.100	0.150
Methoxychlor	Lin1	182201	371422	2000906	4038390	6170456	0.00500	0.0100	0.0500	0.100	0.150
Endrin ketone	Lin1	418708	822967	4529371	9202240	13742732	0.00500	0.0100	0.0500	0.100	0.150
Tetrachloro-m-xylene	Lin1	438357	842277	4596371	9298964	14067547	0.00500	0.0100	0.0500	0.100	0.150
DCB Decachlorobiphenyl	Lin1	361264	687524	3478287	7023677	10600167	0.00500	0.0100	0.0500	0.100	0.150

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7073.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Mar-2014 13:21:43 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#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub5

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:56 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 27-Mar-2014 08:13:30

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene						
1	2.067	2.067	0.0	11763497	0.1519	
2	2.407	2.407	0.0	14067547	0.1507	
					RPD = 0.79	
$ 2 DCB Decachlorobiphenyl						
1	7.063	7.057	0.006	12746192	0.1496	
2	8.063	8.060	0.003	10600167	0.1507	
					RPD = 0.75	
4 alpha-BHC						
1	2.430	2.430	0.0	20457797	0.1533	
2	2.877	2.873	0.004	23696445	0.1511	
					RPD = 1.39	
6 gamma-BHC (Lindane)						
1	2.653	2.650	0.003	18131882	0.1527	
2	3.173	3.173	0.0	21244006	0.1511	
					RPD = 1.08	
7 beta-BHC						
1	2.717	2.713	0.004	6740791	0.1522	
2	3.240	3.240	0.0	8189015	0.1511	
					RPD = 0.73	
8 delta-BHC						
1	2.847	2.843	0.004	18444717	0.1530	
2	3.507	3.503	0.004	21615524	0.1511	
					RPD = 1.21	
9 Heptachlor						
1	3.010	3.007	0.003	14346754	0.1498	
2	3.587	3.583	0.004	19717617	0.1491	
					RPD = 0.52	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
10 Aldrin						
1	3.253	3.250	0.003	13555367	0.1503	
2	3.900	3.897	0.003	19540668	0.1498	
					RPD = 0.32	
13 Heptachlor epoxide						
1	3.790	3.787	0.003	12952357	0.1488	
2	4.470	4.467	0.003	16373157	0.1493	
					RPD = 0.34	
14 gamma-Chlordane						
1	3.907	3.903	0.004	15946738	0.1517	
2	4.667	4.663	0.004	18205856	0.1509	
					RPD = 0.51	
15 alpha-Chlordane						
1	4.037	4.033	0.004	15380646	0.1513	
2	4.817	4.813	0.004	16940746	0.1507	
					RPD = 0.40	
16 4,4'-DDE						
1	4.133	4.130	0.003	14857732	0.1494	
2	4.997	4.993	0.004	16321534	0.1507	
					RPD = 0.88	
18 Endosulfan I						
1	4.163	4.160	0.003	12610339	0.1494	
2	4.873	4.870	0.003	14677486	0.1497	
					RPD = 0.14	
19 Dieldrin						
1	4.407	4.403	0.004	13373884	0.1486	
2	5.153	5.150	0.003	16813556	0.1500	
					RPD = 0.95	
20 Endrin						
1	4.637	4.633	0.004	10756495	0.1496	
2	5.457	5.453	0.004	13346038	0.1506	
					RPD = 0.67	
22 4,4'-DDD						
1	4.740	4.737	0.003	10716598	0.1501	
2	5.587	5.583	0.004	13475809	0.1511	
					RPD = 0.68	
23 Endosulfan II						
1	4.863	4.860	0.003	10453010	0.1479	
2	5.670	5.667	0.003	13575798	0.1500	
					RPD = 1.42	
26 4,4'-DDT						
1	5.027	5.023	0.004	11890043	0.1499	
2	5.907	5.903	0.004	14112347	0.1520	
					RPD = 1.43	
28 Endrin aldehyde						
1	5.297	5.290	0.007	9849658	0.1460	
2	6.007	6.003	0.004	10296402	0.1487	
					RPD = 1.85	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
29 Methoxychlor						
1	5.550	5.547	0.003	6223297	0.1479	
2	6.593	6.590	0.003	6170456	0.1513	
					RPD = 2.27	
30 Endosulfan sulfate						
1	5.737	5.733	0.004	12938887	0.1473	
2	6.290	6.287	0.003	12125309	0.1504	
					RPD = 2.06	
31 Endrin ketone						
1	6.013	6.007	0.006	14989030	0.1461	
2	6.813	6.810	0.003	13742732	0.1498	
					RPD = 2.52	
S 35 BHC, Total						
1					0.6111	
2					0.6044	
					RPD = 1.10	

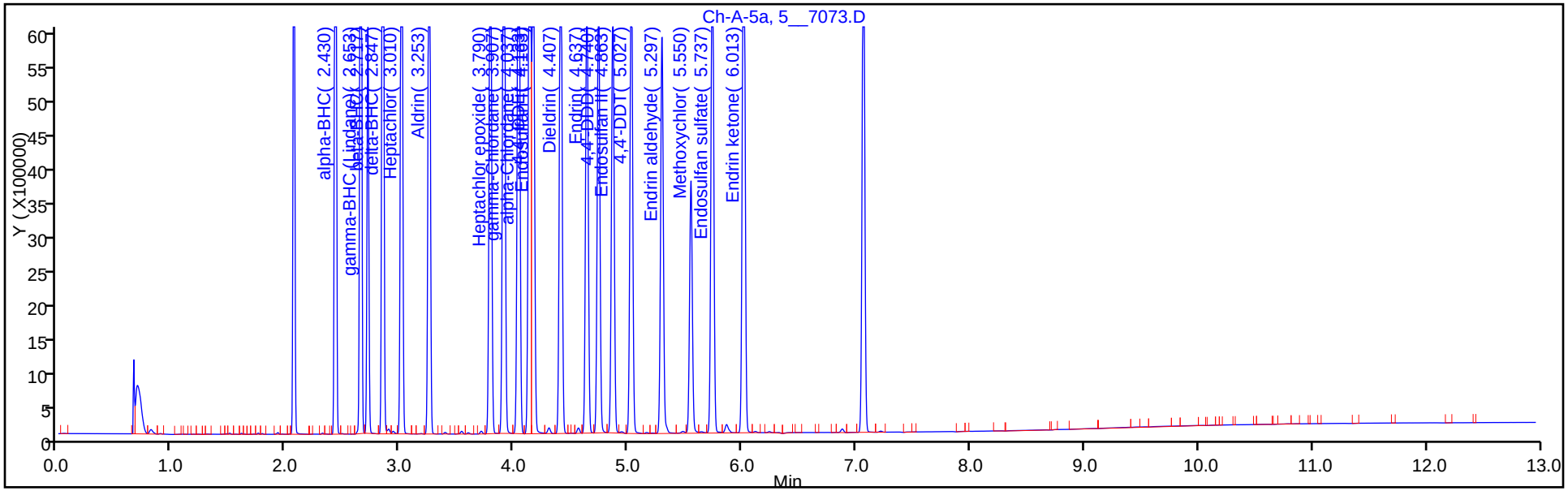
Report Date: 28-Mar-2014 10:55:56 Chrom Revision: 2.2 12-Mar-2014 11:19:24

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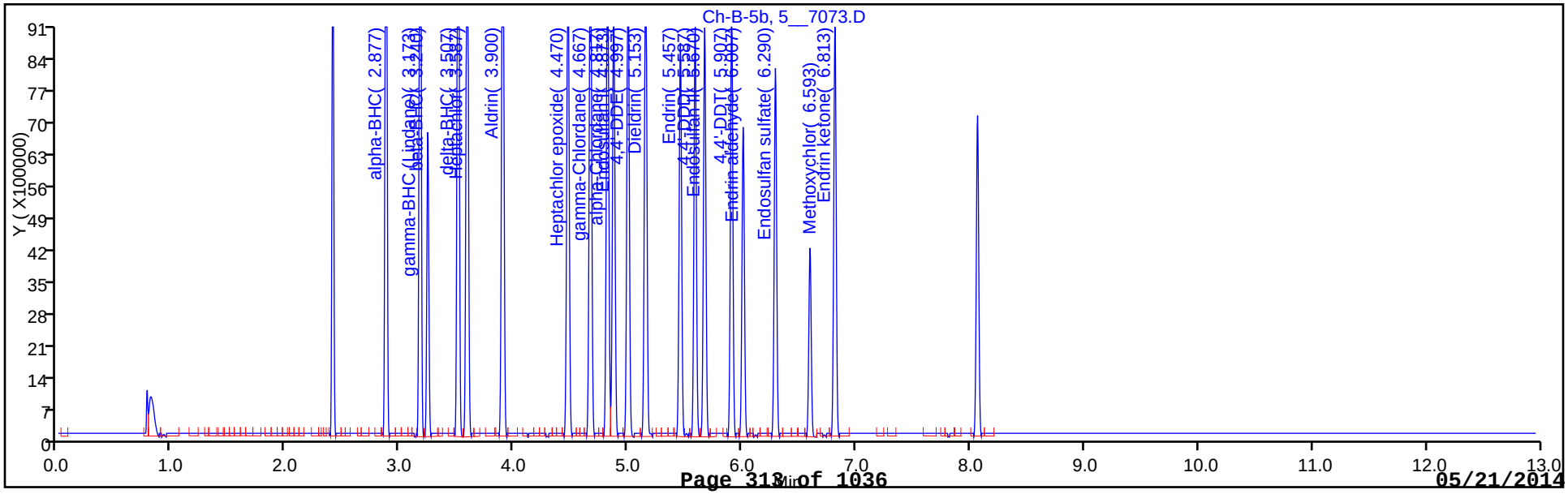
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7073.D

Injection Date:	26-Mar-2014 13:21:43	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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\HP6890-05\20140326-30487.b\5__7074.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Mar-2014 13:39:19 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#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub5

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:58 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: RudzG Date: 27-Mar-2014 10:00:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene						
1	2.067	2.067	0.0	7671483	0.0994	
2	2.407	2.407	0.0	9298964	0.0998	
					RPD = 0.40	
$ 2 DCB Decachlorobiphenyl						
1	7.063	7.057	0.006	8837532	0.1040	
2	8.063	8.060	0.003	7023677	0.0999	
					RPD = 4.05	
4 alpha-BHC						
1	2.430	2.430	0.0	13139909	0.0990	
2	2.873	2.873	0.0	15579285	0.0997	
					RPD = 0.70	
6 gamma-BHC (Lindane)						
1	2.653	2.650	0.003	11728423	0.0993	
2	3.173	3.173	0.0	13982372	0.0998	
					RPD = 0.43	
7 beta-BHC						
1	2.713	2.713	0.0	4394492	0.0995	
2	3.240	3.240	0.0	5396307	0.0996	
					RPD = 0.18	
8 delta-BHC						
1	2.847	2.843	0.004	11907424	0.0993	
2	3.507	3.503	0.004	14217753	0.0997	
					RPD = 0.41	
9 Heptachlor						
1	3.010	3.007	0.003	9554101	0.1000	
2	3.587	3.583	0.004	13274110	0.1004	
					RPD = 0.47	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
10 Aldrin						
1	3.253	3.250	0.003	8992108	0.1000	
2	3.897	3.897	0.0	13039638	0.1002	
					RPD = 0.12	
13 Heptachlor epoxide						
1	3.790	3.787	0.003	8737059	0.1004	
2	4.470	4.467	0.003	11007564	0.1005	
					RPD = 0.09	
14 gamma-Chlordane						
1	3.907	3.903	0.004	10447339	0.0997	
2	4.667	4.663	0.004	12003040	0.0998	
					RPD = 0.10	
15 alpha-Chlordane						
1	4.037	4.033	0.004	10114165	0.0998	
2	4.817	4.813	0.004	11186741	0.0997	
					RPD = 0.02	
16 4,4'-DDE						
1	4.133	4.130	0.003	10010577	0.1011	
2	4.997	4.993	0.004	10795520	0.1001	
					RPD = 1.03	
18 Endosulfan I						
1	4.163	4.160	0.003	8370021	0.0991	
2	4.870	4.870	0.0	9813105	0.1002	
					RPD = 1.10	
19 Dieldrin						
1	4.407	4.403	0.004	9030285	0.1006	
2	5.153	5.150	0.003	11187108	0.1001	
					RPD = 0.50	
20 Endrin						
1	4.637	4.633	0.004	7074370	0.0986	
2	5.457	5.453	0.004	8789895	0.0995	
					RPD = 0.93	
22 4,4'-DDD						
1	4.737	4.737	0.0	7125257	0.1002	
2	5.587	5.583	0.004	8872294	0.0998	
					RPD = 0.41	
23 Endosulfan II						
1	4.863	4.860	0.003	7101371	0.1006	
2	5.670	5.667	0.003	9030491	0.1000	
					RPD = 0.60	
26 4,4'-DDT						
1	5.027	5.023	0.004	8003630	0.1013	
2	5.907	5.903	0.004	9190858	0.0994	
					RPD = 1.87	
28 Endrin aldehyde						
1	5.293	5.290	0.003	6878144	0.1018	
2	6.007	6.003	0.004	6976290	0.1009	
					RPD = 0.89	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
29 Methoxychlor						
1	5.550	5.547	0.003	4230262	0.1003	
2	6.593	6.590	0.003	4038390	0.0993	
					RPD = 1.08	
30 Endosulfan sulfate						
1	5.737	5.733	0.004	8845230	0.1006	
2	6.290	6.287	0.003	8037022	0.0999	
					RPD = 0.68	
31 Endrin ketone						
1	6.010	6.007	0.003	10416664	0.1014	
2	6.813	6.810	0.003	9202240	0.1005	
					RPD = 0.82	
S 35 BHC, Total						
1					0.3971	
2					0.3988	
					RPD = 0.43	

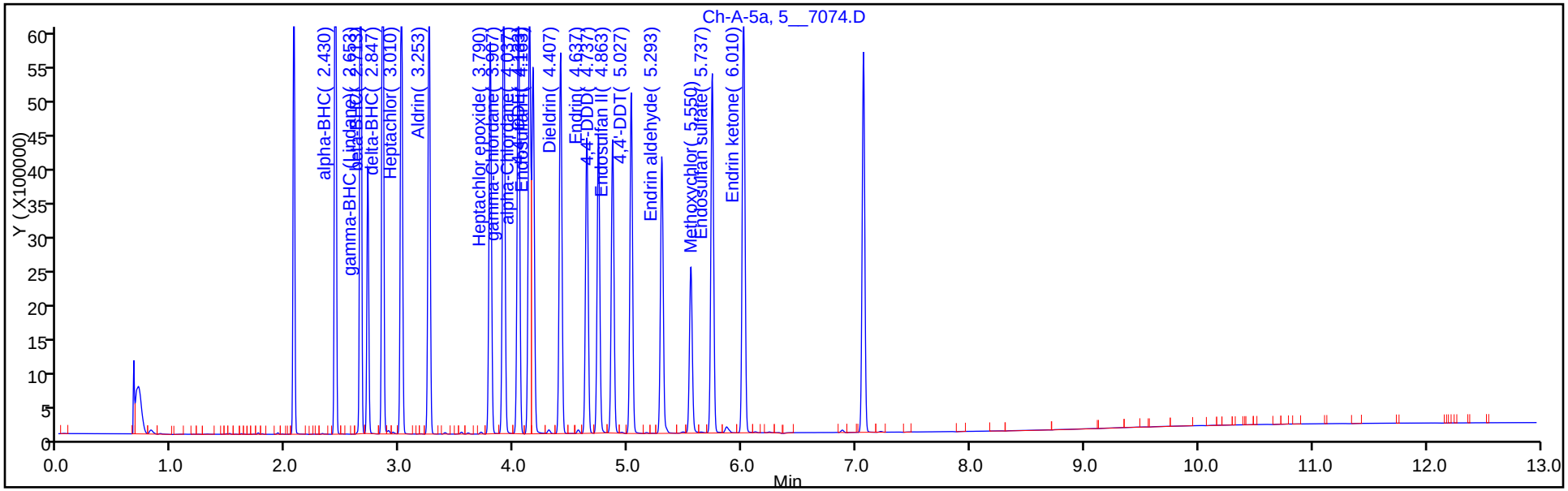
Report Date: 28-Mar-2014 10:55:59 Chrom Revision: 2.2 12-Mar-2014 11:19:24

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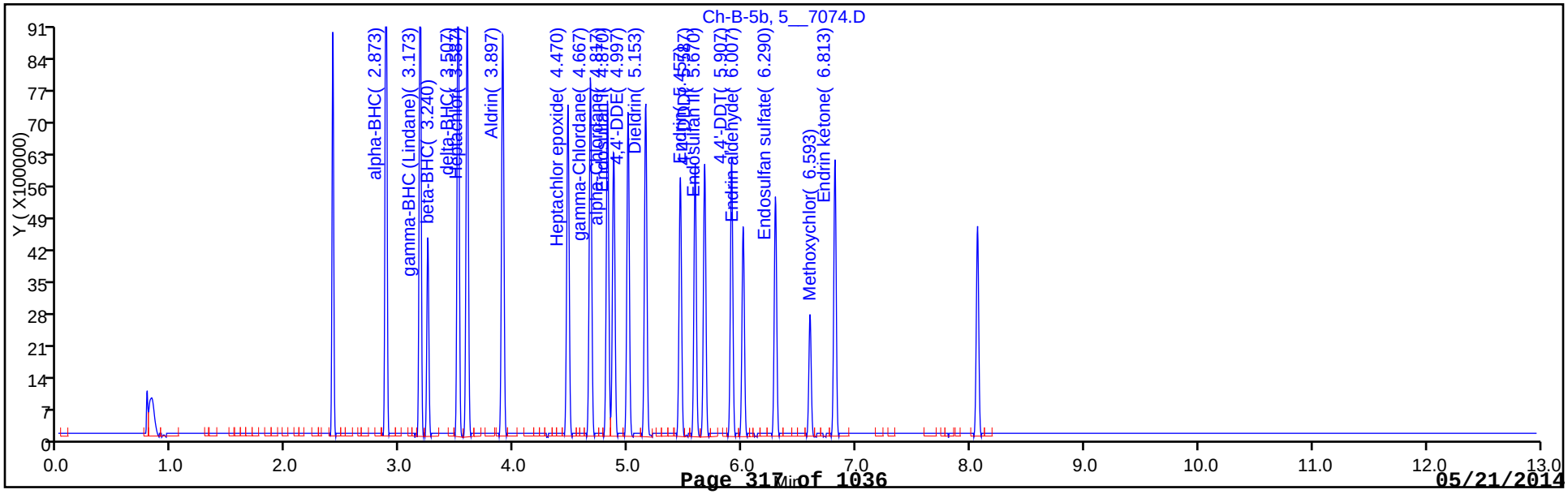
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Injection Date:	26-Mar-2014 13:39:19	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

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\HP6890-05\20140326-30487.b\5__7075.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 26-Mar-2014 13:56:55 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#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub5

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:56:03 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene						
1	2.067	2.067	0.0	3722394	0.0488	
2	2.407	2.407	0.0	4596371	0.0496	
					RPD = 1.76	
$ 2 DCB Decachlorobiphenyl						
1	7.057	7.057	0.0	3954035	0.0470	
2	8.060	8.060	0.0	3478287	0.0495	
					RPD = 5.04	
4 alpha-BHC						
1	2.430	2.430	0.0	6233728	0.0479	
2	2.873	2.873	0.0	7621793	0.0493	
					RPD = 3.05	
6 gamma-BHC (Lindane)						
1	2.650	2.650	0.0	5587221	0.0481	
2	3.173	3.173	0.0	6850031	0.0493	
					RPD = 2.51	
7 beta-BHC						
1	2.713	2.713	0.0	2125232	0.0485	
2	3.240	3.240	0.0	2670281	0.0494	
					RPD = 1.94	
8 delta-BHC						
1	2.843	2.843	0.0	5637591	0.0479	
2	3.503	3.503	0.0	6967773	0.0494	
					RPD = 3.05	
9 Heptachlor						
1	3.007	3.007	0.0	4788593	0.0504	
2	3.583	3.583	0.0	6683808	0.0507	
					RPD = 0.66	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
10 Aldrin						
1	3.250	3.250	0.0	4438547	0.0499	
2	3.897	3.897	0.0	6502840	0.0502	
					RPD = 0.71	
13 Heptachlor epoxide						
1	3.787	3.787	0.0	4447523	0.0511	
2	4.467	4.467	0.0	5505651	0.0504	
					RPD = 1.41	
14 gamma-Chlordane						
1	3.903	3.903	0.0	5071293	0.0488	
2	4.663	4.663	0.0	5896561	0.0494	
					RPD = 1.21	
15 alpha-Chlordane						
1	4.033	4.033	0.0	4941982	0.0491	
2	4.813	4.813	0.0	5536876	0.0497	
					RPD = 1.12	
16 4,4'-DDE						
1	4.130	4.130	0.0	4860529	0.0498	
2	4.993	4.993	0.0	5264822	0.0494	
					RPD = 0.82	
18 Endosulfan I						
1	4.160	4.160	0.0	4362757	0.0515	
2	4.870	4.870	0.0	4904908	0.0503	
					RPD = 2.42	
19 Dieldrin						
1	4.403	4.403	0.0	4557805	0.0511	
2	5.150	5.150	0.0	5565436	0.0501	
					RPD = 1.90	
20 Endrin						
1	4.633	4.633	0.0	3721212	0.0521	
2	5.453	5.453	0.0	4374514	0.0499	
					RPD = 4.19	
22 4,4'-DDD						
1	4.737	4.737	0.0	3516885	0.0500	
2	5.583	5.583	0.0	4349900	0.0494	
					RPD = 1.40	
23 Endosulfan II						
1	4.860	4.860	0.0	3650447	0.0518	
2	5.667	5.667	0.0	4515463	0.0503	
					RPD = 3.10	
26 4,4'-DDT						
1	5.023	5.023	0.0	3802090	0.0488	
2	5.903	5.903	0.0	4439370	0.0487	
					RPD = 0.33	
28 Endrin aldehyde						
1	5.290	5.290	0.0	3572805	0.0526	
2	6.003	6.003	0.0	3494317	0.0507	
					RPD = 3.68	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
29 Methoxychlor						
1	5.547	5.547	0.0	2198007	0.0518	
2	6.590	6.590	0.0	2000906	0.0495	
					RPD = 4.54	
30 Endosulfan sulfate						
1	5.733	5.733	0.0	4612337	0.0524	
2	6.287	6.287	0.0	3983257	0.0500	
					RPD = 4.70	
31 Endrin ketone						
1	6.007	6.007	0.0	5449675	0.0528	
2	6.810	6.810	0.0	4529371	0.0498	
					RPD = 5.79	
S 35 BHC, Total						
1					0.1923	
2					0.1975	
					RPD = 2.64	

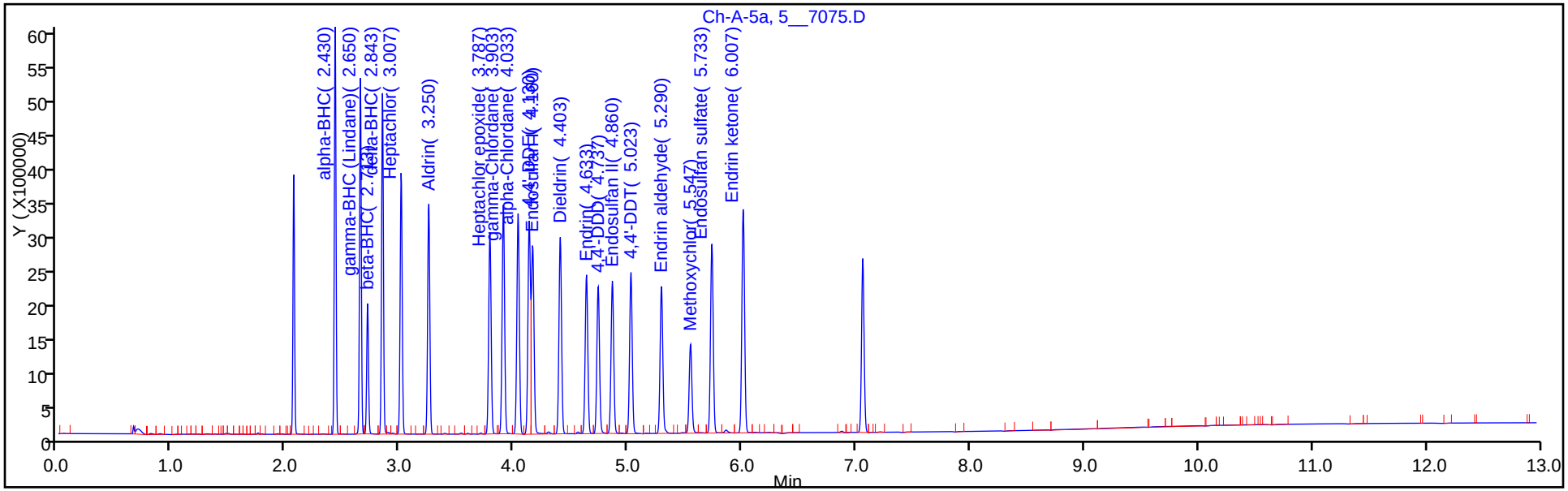
Report Date: 28-Mar-2014 10:56:04 Chrom Revision: 2.2 12-Mar-2014 11:19:24

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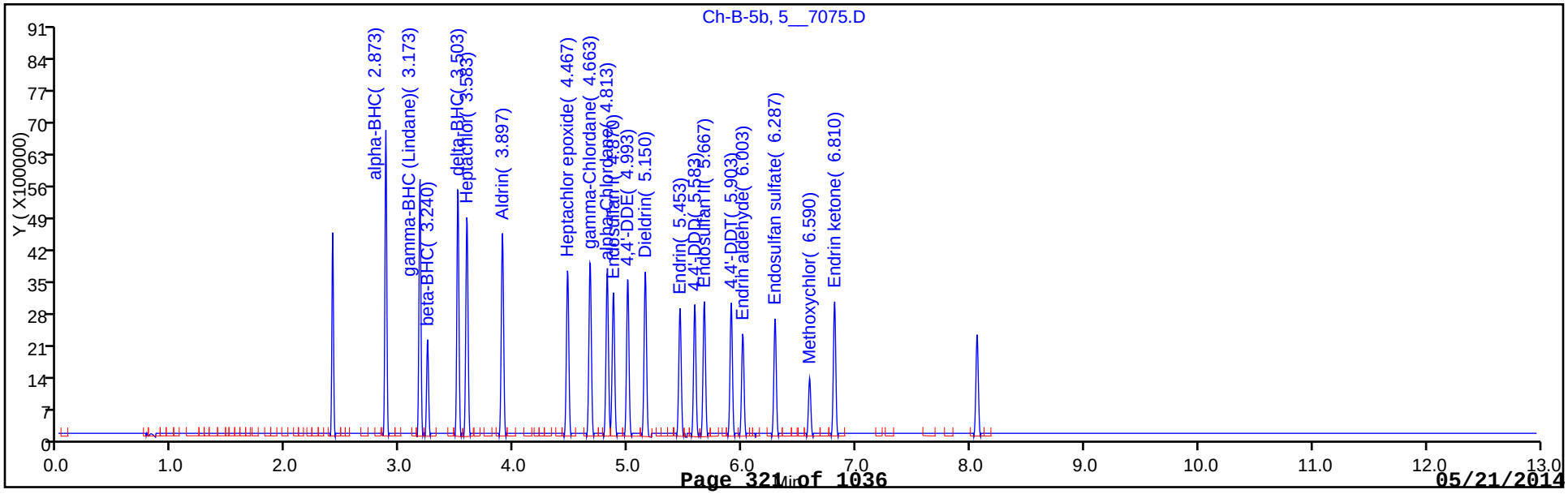
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Injection Date:	26-Mar-2014 13:56:55	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

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\HP6890-05\20140326-30487.b\5__7076.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Mar-2014 14:14:29 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#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub5

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:56:06 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene						
1	2.067	2.067	0.0	665515	0.009545	
2	2.407	2.407	0.0	842277	0.009555	
					RPD = 0.11	
$ 2 DCB Decachlorobiphenyl						
1	7.057	7.057	0.0	650984	0.008498	
2	8.060	8.060	0.0	687524	0.009783	
					RPD = 14.05	
4 alpha-BHC						
1	2.430	2.430	0.0	1044859	0.009402	
2	2.873	2.873	0.0	1332304	0.009503	
					RPD = 1.07	
6 gamma-BHC (Lindane)						
1	2.650	2.650	0.0	948032	0.009405	
2	3.173	3.173	0.0	1224781	0.009551	
					RPD = 1.54	
7 beta-BHC						
1	2.713	2.713	0.0	393702	0.009587	
2	3.240	3.240	0.0	511240	0.009676	
					RPD = 0.92	
8 delta-BHC						
1	2.843	2.843	0.0	946331	0.009385	
2	3.507	3.503	0.004	1228037	0.009483	
					RPD = 1.03	
9 Heptachlor						
1	3.010	3.007	0.003	873059	0.009667	
2	3.587	3.583	0.004	1239547	0.009660	
					RPD = 0.08	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
10 Aldrin						
1	3.250	3.250	0.0	778095	0.009578	
2	3.897	3.897	0.0	1185811	0.009644	
					RPD = 0.69	
13 Heptachlor epoxide						
1	3.787	3.787	0.0	834567	0.009610	
2	4.467	4.467	0.0	1037601	0.009727	
					RPD = 1.21	
14 gamma-Chlordane						
1	3.907	3.903	0.004	896842	0.009345	
2	4.667	4.663	0.004	1066434	0.009595	
					RPD = 2.64	
15 alpha-Chlordane						
1	4.037	4.033	0.004	884861	0.009428	
2	4.817	4.813	0.004	1013317	0.009624	
					RPD = 2.05	
16 4,4'-DDE						
1	4.133	4.130	0.003	794826	0.009303	
2	4.997	4.993	0.004	905498	0.009453	
					RPD = 1.60	
18 Endosulfan I						
1	4.163	4.160	0.003	869088	0.0100	
2	4.870	4.870	0.0	919914	0.009778	
					RPD = 2.70	
19 Dieldrin						
1	4.403	4.403	0.0	819655	0.009698	
2	5.150	5.150	0.0	1010870	0.009636	
					RPD = 0.65	
20 Endrin						
1	4.633	4.633	0.0	673375	0.009821	
2	5.453	5.453	0.0	813217	0.0100	
					RPD = 1.59	
22 4,4'-DDD						
1	4.740	4.737	0.003	597168	0.009496	
2	5.583	5.583	0.0	779542	0.009558	
					RPD = 0.65	
23 Endosulfan II						
1	4.863	4.860	0.003	665855	0.009682	
2	5.667	5.667	0.0	820690	0.009563	
					RPD = 1.24	
26 4,4'-DDT						
1	5.023	5.023	0.0	680307	0.009852	
2	5.903	5.903	0.0	772871	0.009513	
					RPD = 3.50	
28 Endrin aldehyde						
1	5.293	5.290	0.003	687788	0.009687	
2	6.007	6.003	0.004	638751	0.009558	
					RPD = 1.33	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
29 Methoxychlor						
1	5.547	5.547	0.0	451036	0.0102	
2	6.593	6.590	0.003	371422	0.009772	
					RPD = 3.80	
30 Endosulfan sulfate						
1	5.733	5.733	0.0	879735	0.009797	
2	6.290	6.287	0.003	702348	0.009495	
					RPD = 3.14	
31 Endrin ketone						
1	6.010	6.007	0.003	1063108	0.009883	
2	6.810	6.810	0.0	822967	0.009589	
					RPD = 3.01	
S 35 BHC, Total						
1					0.0378	
2					0.0382	
					RPD = 1.14	

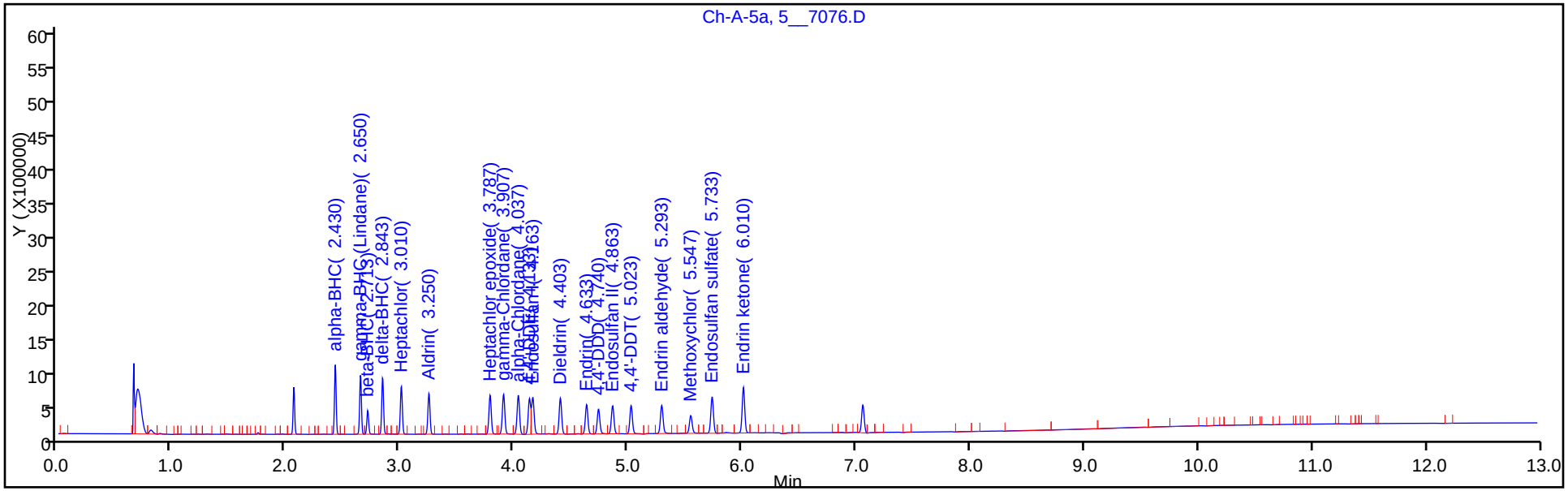
Report Date: 28-Mar-2014 10:56:07 Chrom Revision: 2.2 12-Mar-2014 11:19:24

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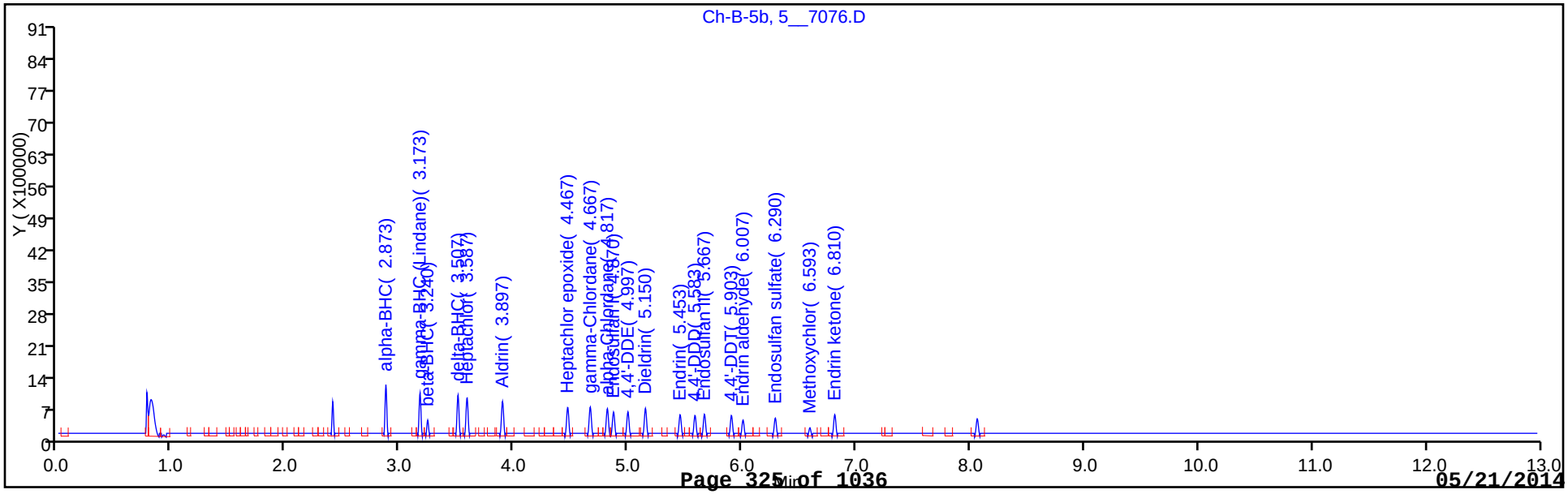
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Injection Date:	26-Mar-2014 14:14:29	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

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\HP6890-05\20140326-30487.b\5__7077.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 26-Mar-2014 14:32:16 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#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub5

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:56:09 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 27-Mar-2014 10:54:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene						
1	2.067	2.067	0.0	335810	0.005315	
2	2.407	2.407	0.0	438357	0.005243	
					RPD = 1.35	
$ 2 DCB Decachlorobiphenyl						
1	7.060	7.057	0.003	424873	0.005861	
2	8.060	8.060	0.0	361264	0.005144	
					RPD = 13.03	
4 alpha-BHC						
1	2.430	2.430	0.0	512054	0.005454	
2	2.873	2.873	0.0	667167	0.005290	
					RPD = 3.04	
6 gamma-BHC (Lindane)						
1	2.650	2.650	0.0	471437	0.005430	
2	3.170	3.173	-0.003	618874	0.005267	
					RPD = 3.04	
7 beta-BHC						
1	2.713	2.713	0.0	203450	0.005313	
2	3.240	3.240	0.0	268267	0.005202	
					RPD = 2.12	
8 delta-BHC						
1	2.843	2.843	0.0	467274	0.005455	
2	3.503	3.503	0.0	625816	0.005299	
					RPD = 2.91	
9 Heptachlor						
1	3.007	3.007	0.0	437280	0.005134	
2	3.583	3.583	0.0	635953	0.005106	
					RPD = 0.54	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
10 Aldrin						
1	3.250	3.250	0.0	381512	0.005211	
2	3.897	3.897	0.0	597534	0.005152	
					RPD = 1.13	
13 Heptachlor epoxide						
1	3.787	3.787	0.0	442442	0.005106	
2	4.467	4.467	0.0	528889	0.005097	
					RPD = 0.18	
14 gamma-Chlordane						
1	3.903	3.903	0.0	480067	0.005402	
2	4.663	4.663	0.0	538224	0.005239	
					RPD = 3.07	
15 alpha-Chlordane						
1	4.033	4.033	0.0	467154	0.005339	
2	4.813	4.813	0.0	514774	0.005207	
					RPD = 2.51	
16 4,4'-DDE						
1	4.133	4.130	0.003	396102	0.005330	
2	4.997	4.993	0.004	452751	0.005303	
					RPD = 0.50	
18 Endosulfan I						
1	4.160	4.160	0.0	434678	0.004888	
2	4.870	4.870	0.0	458113	0.005083	
					RPD = 3.91	
19 Dieldrin						
1	4.403	4.403	0.0	400748	0.005063	
2	5.150	5.150	0.0	508026	0.005168	
					RPD = 2.06	
20 Endrin						
1	4.633	4.633	0.0	323370	0.004969	
2	5.453	5.453	0.0	371724	0.005024	
					RPD = 1.11	
22 4,4'-DDD						
1	4.737	4.737	0.0	290576	0.005237	
2	5.583	5.583	0.0	394133	0.005262	
					RPD = 0.48	
23 Endosulfan II						
1	4.860	4.860	0.0	335538	0.005017	
2	5.667	5.667	0.0	423937	0.005194	
					RPD = 3.46	
26 4,4'-DDT						
1	5.023	5.023	0.0	302116	0.005129	
2	5.903	5.903	0.0	381785	0.005335	
					RPD = 3.95	
28 Endrin aldehyde						
1	5.293	5.290	0.003	368774	0.004941	
2	6.003	6.003	0.0	332764	0.005150	
					RPD = 4.14	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
29 Methoxychlor						
1	5.547	5.547	0.0	226577	0.004795	
2	6.590	6.590	0.0	182201	0.005155	
					RPD = 7.24	
30 Endosulfan sulfate						
1	5.733	5.733	0.0	452417	0.004925	
2	6.287	6.287	0.0	357994	0.005248	
					RPD = 6.36	
31 Endrin ketone						
1	6.010	6.007	0.003	547660	0.004840	
2	6.810	6.810	0.0	418708	0.005201	
					RPD = 7.18	
S 35 BHC, Total						
1					0.0217	
2					0.0211	
					RPD = 2.78	

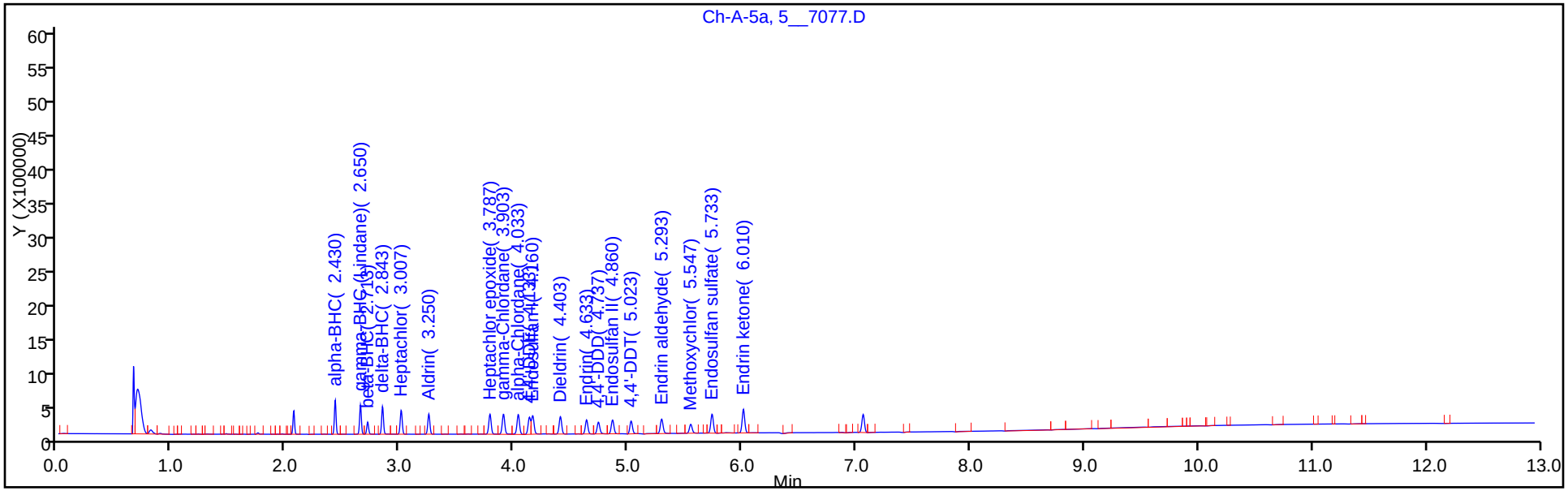
Report Date: 28-Mar-2014 10:56:09 Chrom Revision: 2.2 12-Mar-2014 11:19:24

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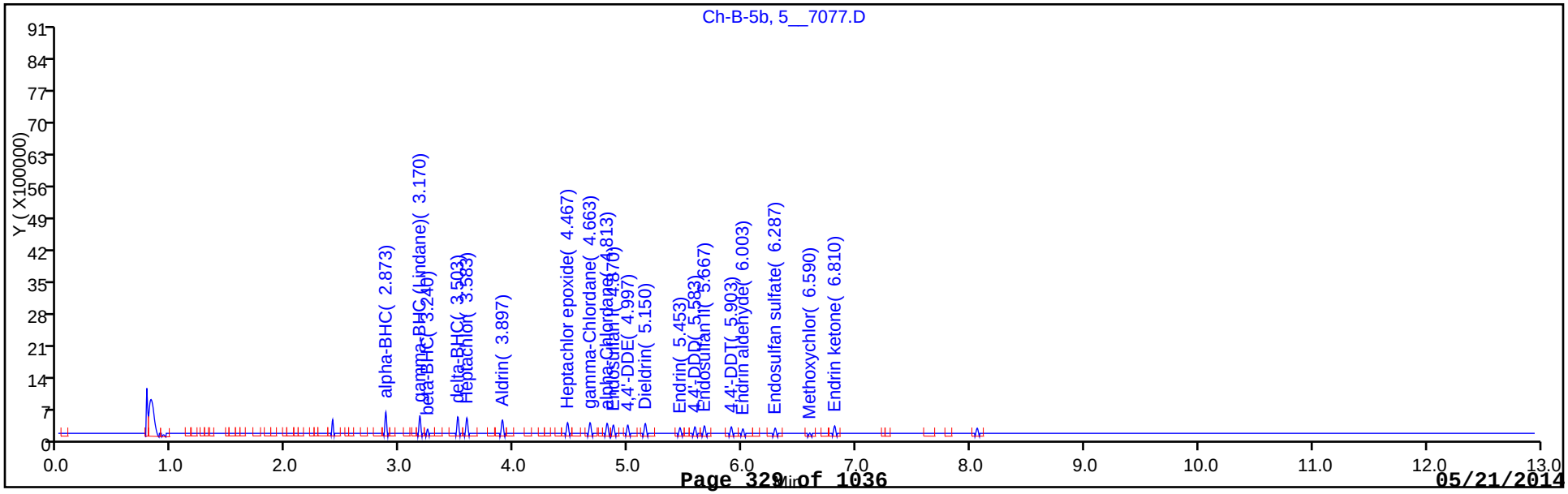
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Injection Date:	26-Mar-2014 14:32:16	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

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.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/27/2014 14:46 Calibration End Date: 03/27/2014 15:57 Calibration ID: 17850

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-172071/19	5__7086.D
Level 2	STD 480-172071/18	5__7085.D
Level 3	STD 480-172071/17	5__7084.D
Level 4	STD 480-172071/16	5__7083.D
Level 5	STD 480-172071/15	5__7082.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Toxaphene Peak 1	4.850	4.847	4.850	4.847	4.847						4.820 - 4.880	4.848
Toxaphene Peak 2	5.207	5.207	5.207	5.203	5.203						5.177 - 5.237	5.205
Toxaphene Peak 3	5.623	5.623	5.623	5.623	5.623						5.593 - 5.653	5.623

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/27/2014 14:46 Calibration End Date: 03/27/2014 15:57 Calibration ID: 17850

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-172071/19	5__7086.D
Level 2	STD 480-172071/18	5__7085.D
Level 3	STD 480-172071/17	5__7084.D
Level 4	STD 480-172071/16	5__7083.D
Level 5	STD 480-172071/15	5__7082.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	3794080 4140136	3715030	4078764	4049375	Lin1	-24701.755	4121802.15							1.0000		0.9900
Toxaphene Peak 2	4395400 4059263	3684760	4048032	4013142	Lin1	745.053671	4035102.77							0.9990		0.9900
Toxaphene Peak 3	4409920 4159420	3945180	4217742	4086903	Lin1	4081.18137	4136353.05							1.0000		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.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/27/2014 14:46 Calibration End Date: 03/27/2014 15:57 Calibration ID: 17850

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-172071/19	5__7086.D
Level 2	STD 480-172071/18	5__7085.D
Level 3	STD 480-172071/17	5__7084.D
Level 4	STD 480-172071/16	5__7083.D
Level 5	STD 480-172071/15	5__7082.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	189704	371503	2039382	4049375	6210204	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 2	Lin1	219770	368476	2024016	4013142	6088895	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 3	Lin1	220496	394518	2108871	4086903	6239130	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\HP6890-05\20140326-30487.b\5__7082.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 27-Mar-2014 14:46:52 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#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub7

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:43 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 27-Mar-2014 15:52:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
24 Toxaphene						
1	4.847	4.850	-0.003	6210204	1.51	
1	5.203	5.207	-0.004	6088895	1.51	
1	5.623	5.623	0.0	6239130	1.51	
		Average of Peak Amounts =			1.51	
2	5.750	5.757	-0.007	9007467	1.52	
2	6.100	6.103	-0.003	4883417	1.51	
2	6.523	6.527	-0.004	4202084	1.52	
		Average of Peak Amounts =			1.52	
				RPD =	0.47	

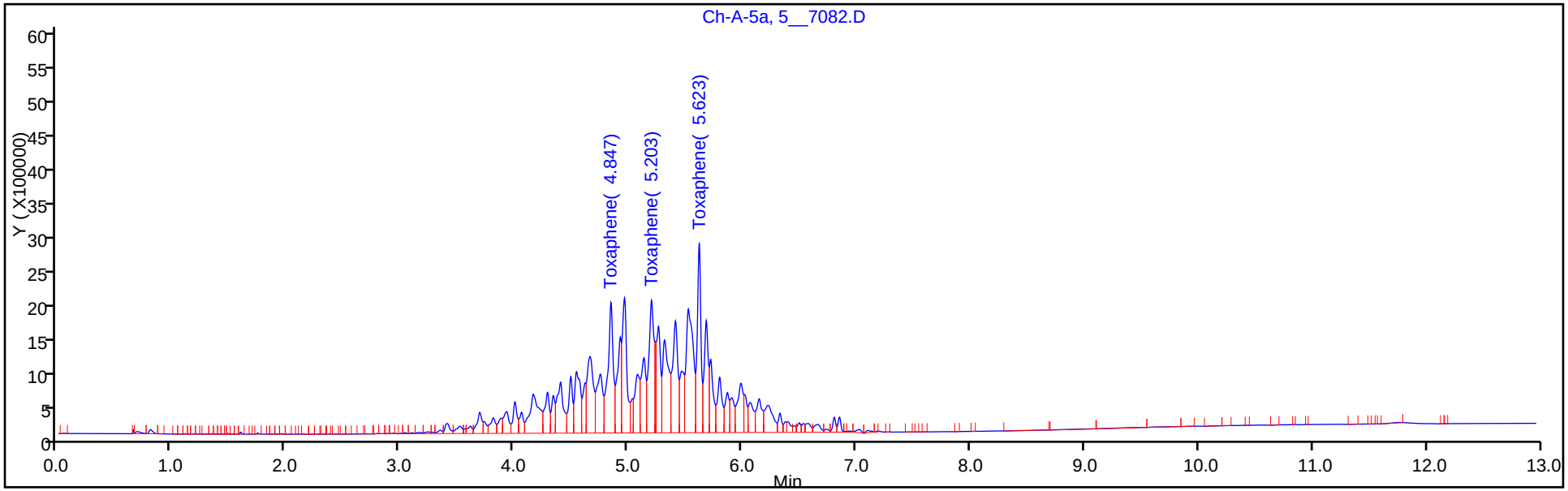
Report Date: 28-Mar-2014 10:55:44 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

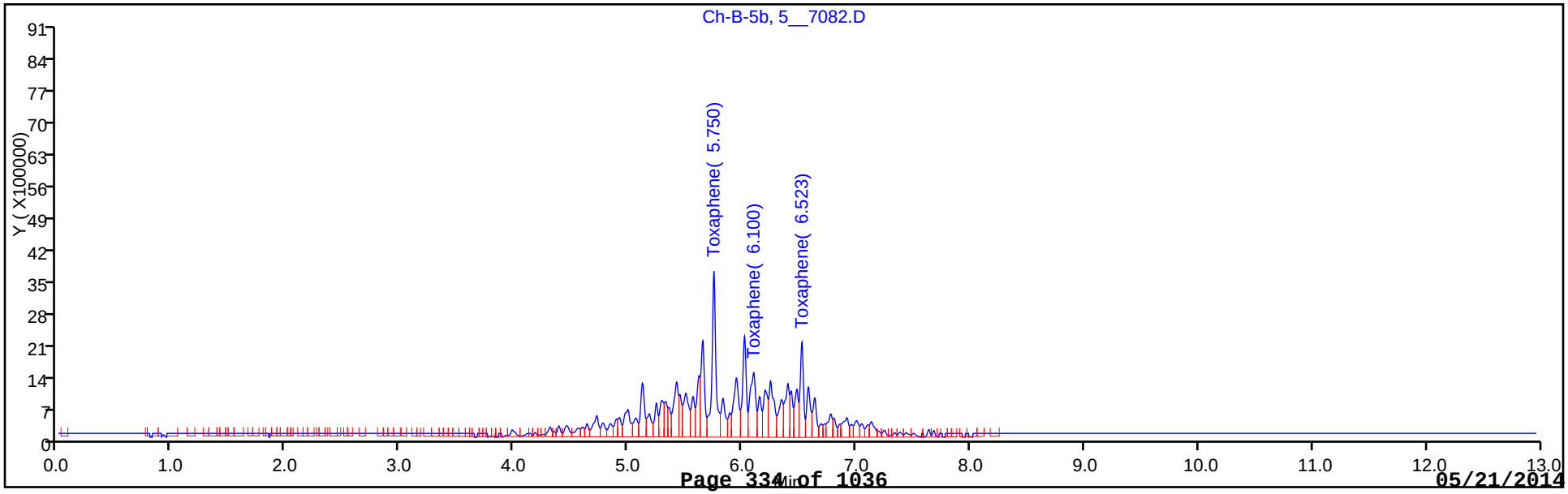
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7082.D

Injection Date:	27-Mar-2014 14:46:52	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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\HP6890-05\20140326-30487.b\5__7083.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 27-Mar-2014 15:04:31 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#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub7

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:46 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 27-Mar-2014 15:55:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
24 Toxaphene						
1	4.847	4.850	-0.003	4049375	0.9884	
1	5.203	5.207	-0.004	4013142	0.99	
1	5.623	5.623	0.0	4086903	0.9871	
		Average of Peak Amounts =			0.9900	
2	5.750	5.757	-0.007	5764979	0.9748	
2	6.100	6.103	-0.003	3118596	0.9703	
2	6.523	6.527	-0.004	2702296	0.9789	
		Average of Peak Amounts =			0.9747	
					RPD = 1.56	

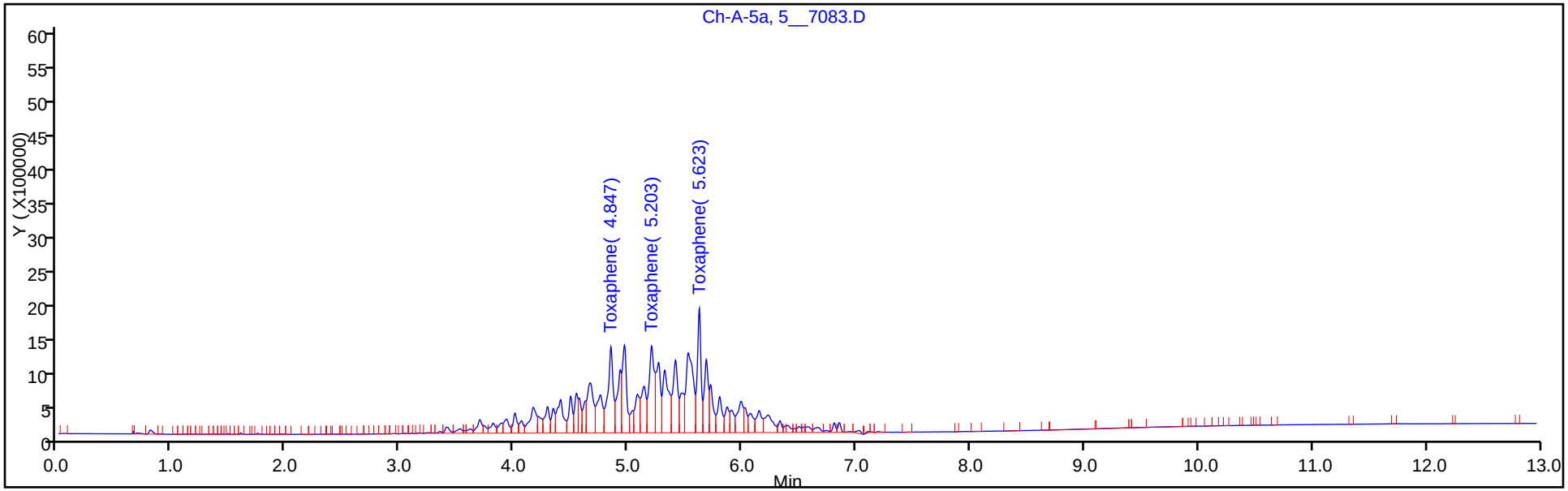
Report Date: 28-Mar-2014 10:55:46 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

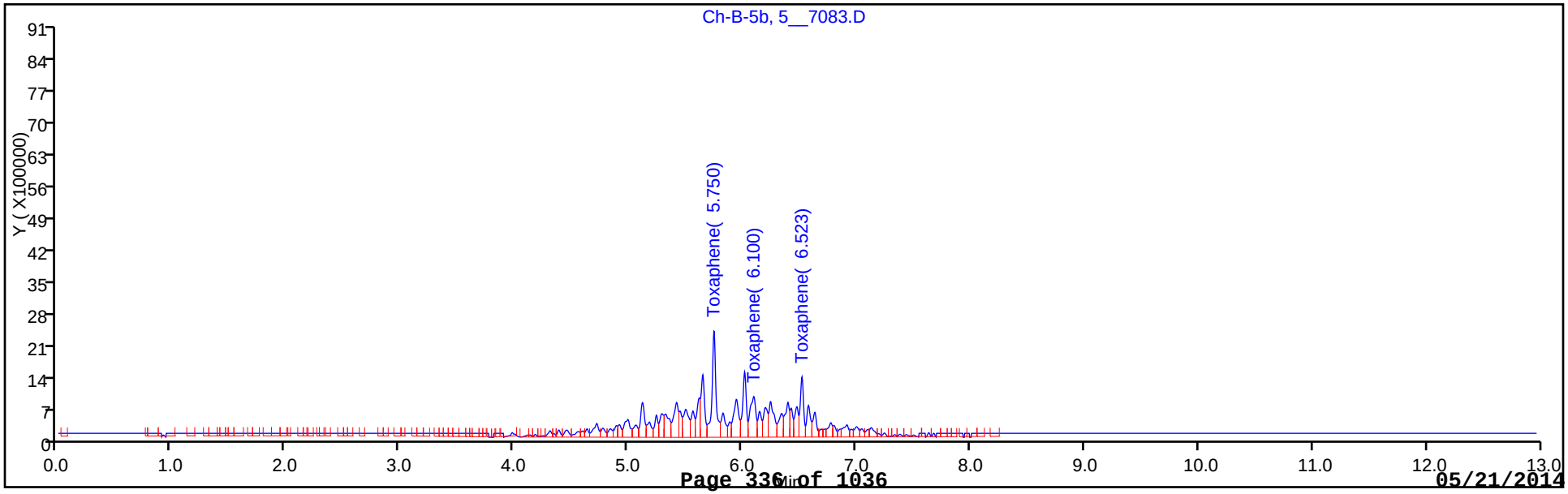
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7083.D

Injection Date:	27-Mar-2014 15:04:31	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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\HP6890-05\20140326-30487.b\5__7084.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 27-Mar-2014 15:22:15 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub7

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:49 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 27-Mar-2014 15:55:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
24 Toxaphene						M
1	4.850	4.850	0.0	2039382	0.5008	M
1	5.207	5.207	0.0	2024016	0.5014	M
1	5.623	5.623	0.0	2108871	0.5089	M
		Average of Peak Amounts =			0.5037	
2	5.757	5.757	0.0	2976739	0.5069	M
2	6.103	6.103	0.0	1650339	0.5178	M
2	6.527	6.527	0.0	1381423	0.5049	M
		Average of Peak Amounts =			0.5099	
					RPD = 1.23	

QC Flag Legend

Review Flags
M - Manually Integrated

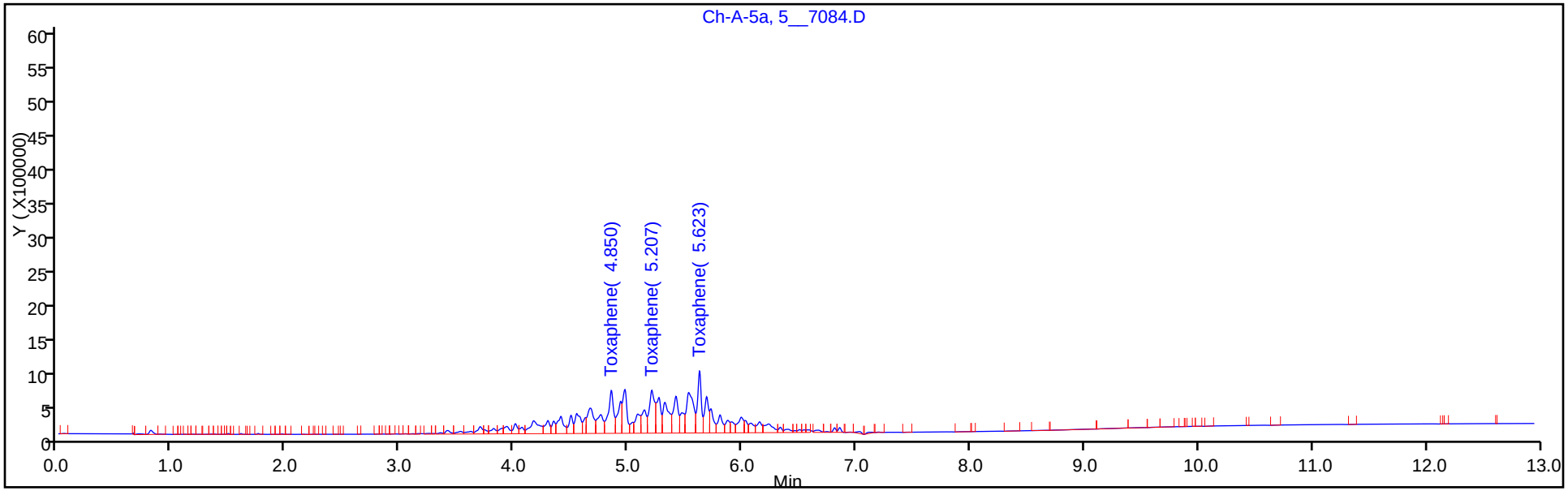
Report Date: 28-Mar-2014 10:55:49 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

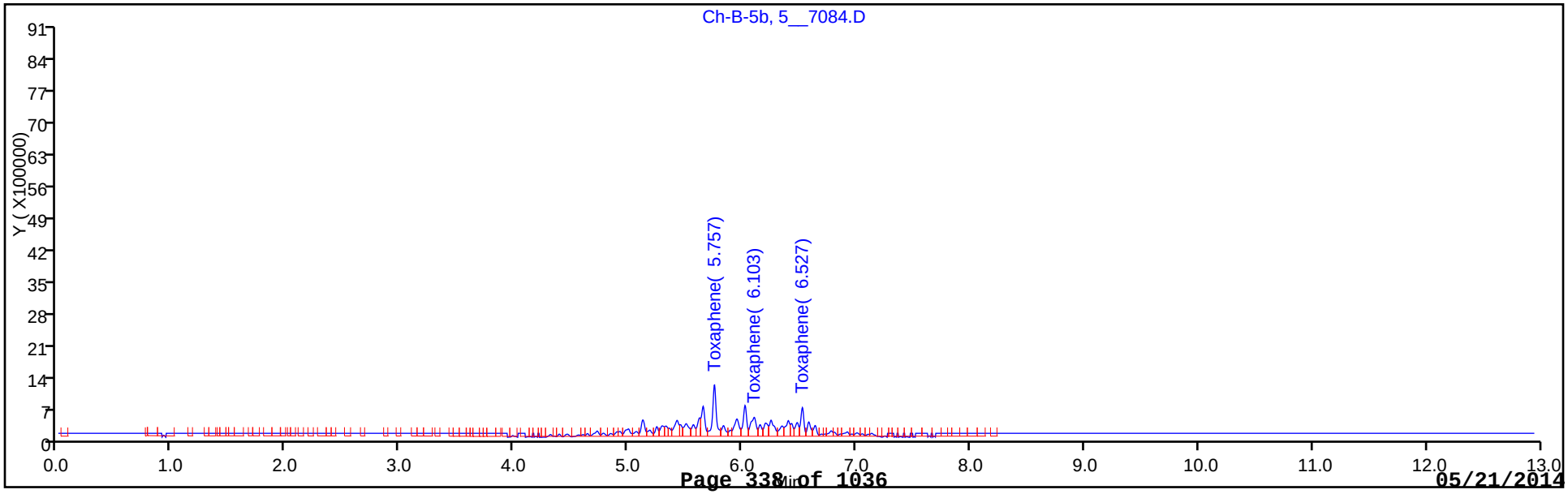
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7084.D

Injection Date:	27-Mar-2014 15:22:15	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value

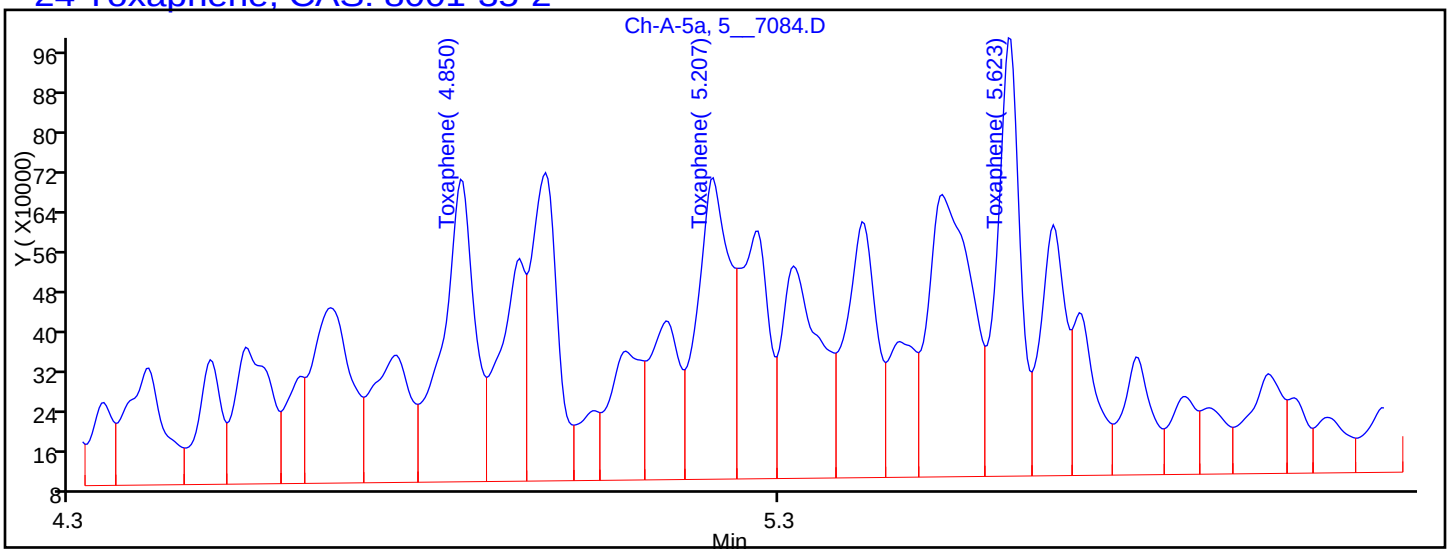


Report Date: 28-Mar-2014 10:55:49 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

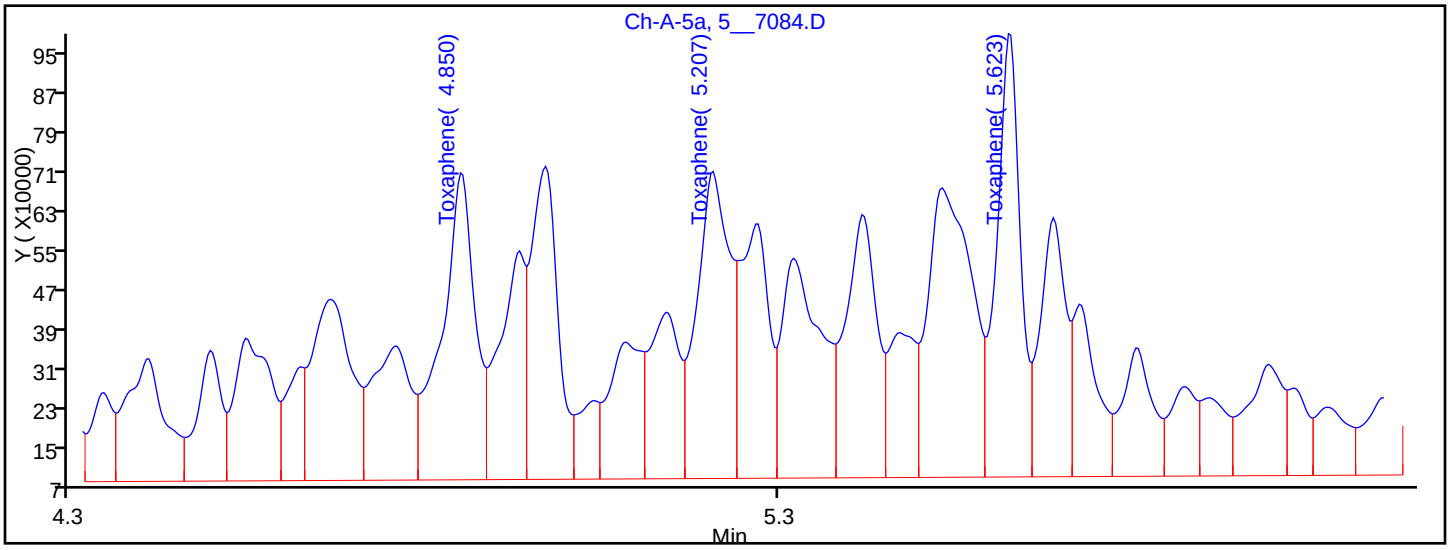
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7084.D
Injection Date: 27-Mar-2014 15:22:15 Instrument ID: HP6890-5
Lims ID: std
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8081-5 Limit Group: GC - 608 Pest ICAL
Column: Detector Ch-A-6A58132

24 Toxaphene, CAS: 8001-35-2



Processing Integration Results

RT = 4.850	Response = 1932233	M
RT = 5.207	Response = 1931227	M
RT = 5.623	Response = 2012483	M



Manual Integration Results

RT = 4.850	Response = 2039382	M
RT = 5.207	Response = 2024016	M
RT = 5.623	Response = 2108871	M

Reviewer: WolfL, 27-Mar-2014 15:56:34
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7085.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 27-Mar-2014 15:39:59 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub7

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:51 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 27-Mar-2014 15:56:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
24 Toxaphene						M
1	4.847	4.850	-0.003	371503	0.0961	M
1	5.207	5.207	0.0	368476	0.0911	M
1	5.623	5.623	0.0	394518	0.0944	M
		Average of Peak Amounts =			0.0939	
2	5.753	5.757	-0.004	544578	0.0988	M
2	6.103	6.103	0.0	284524	0.0970	M
2	6.523	6.527	-0.004	248446	0.0984	M
		Average of Peak Amounts =			0.0981	
				RPD =	4.35	

QC Flag Legend

Review Flags
M - Manually Integrated

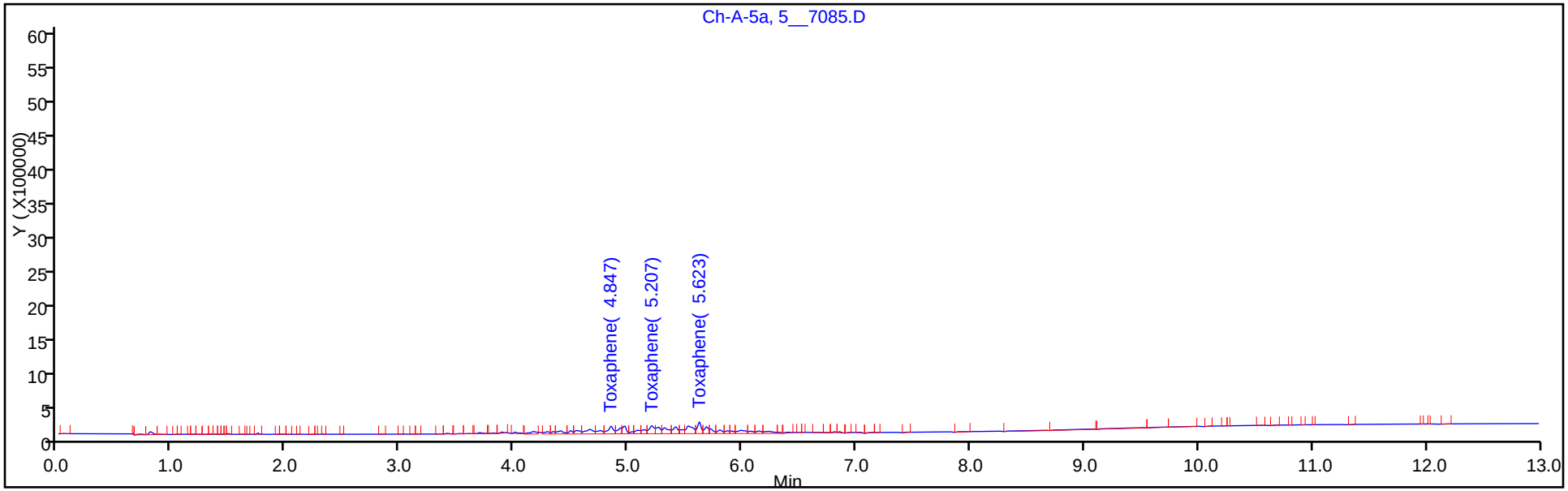
Report Date: 28-Mar-2014 10:55:52 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

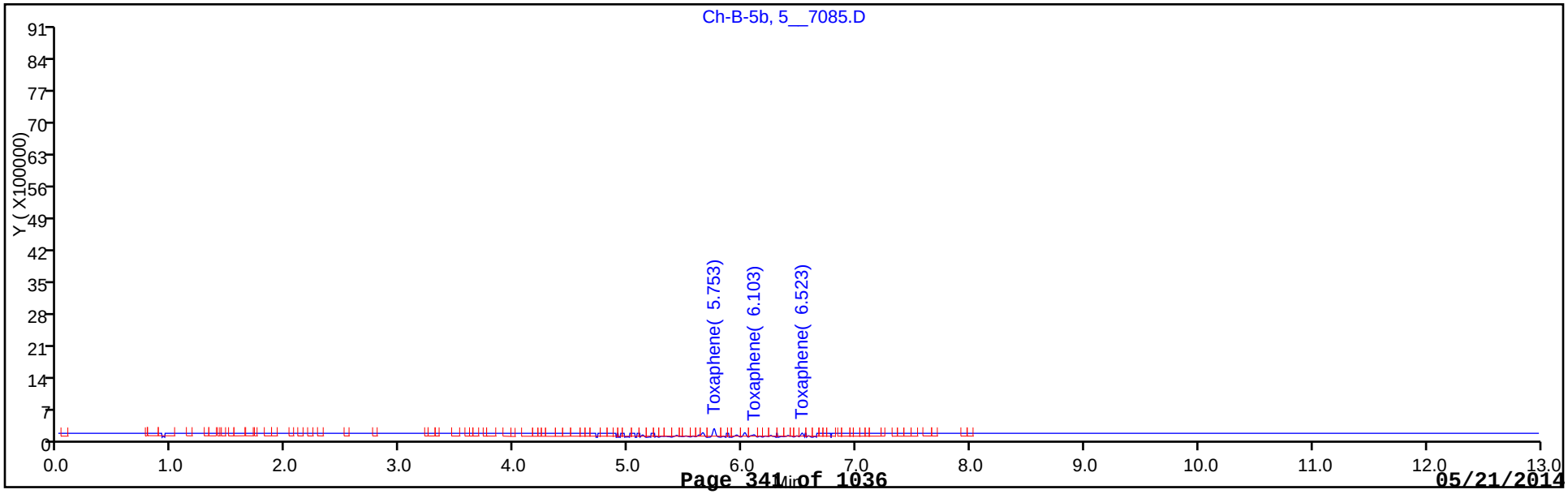
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7085.D

Injection Date:	27-Mar-2014 15:39:59	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 28-Mar-2014 10:55:52 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7085.D

Injection Date: 27-Mar-2014 15:39:59 Instrument ID: HP6890-5

Lims ID: std

Client ID:

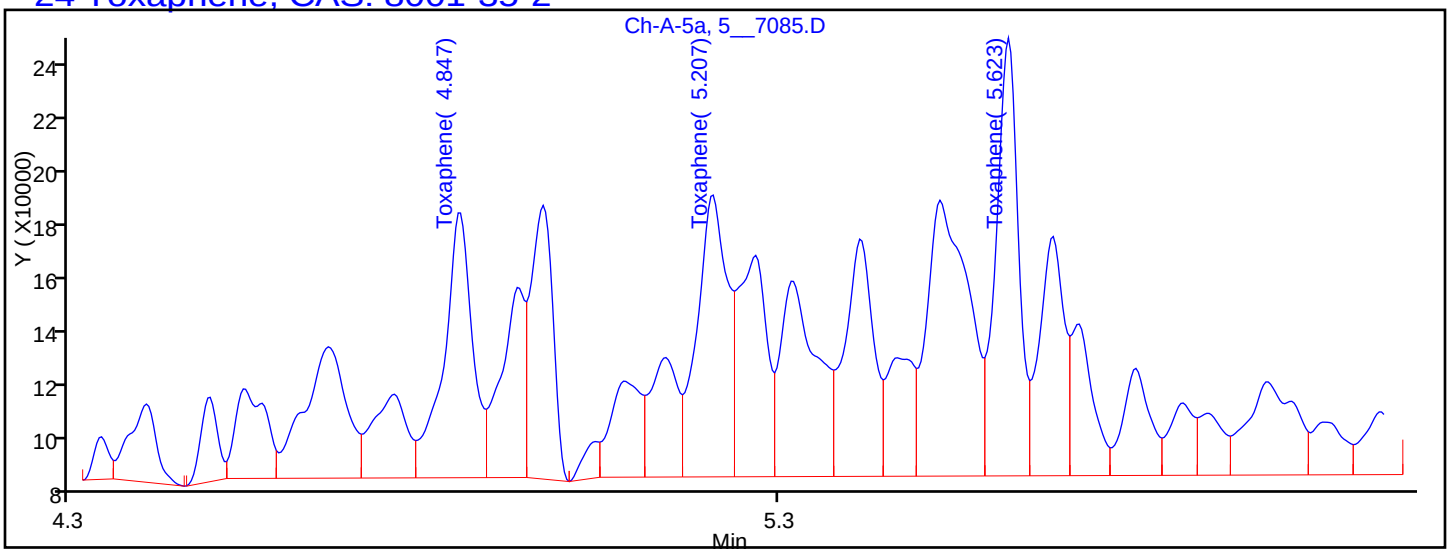
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 18

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8081-5 Limit Group: GC - 608 Pest ICAL

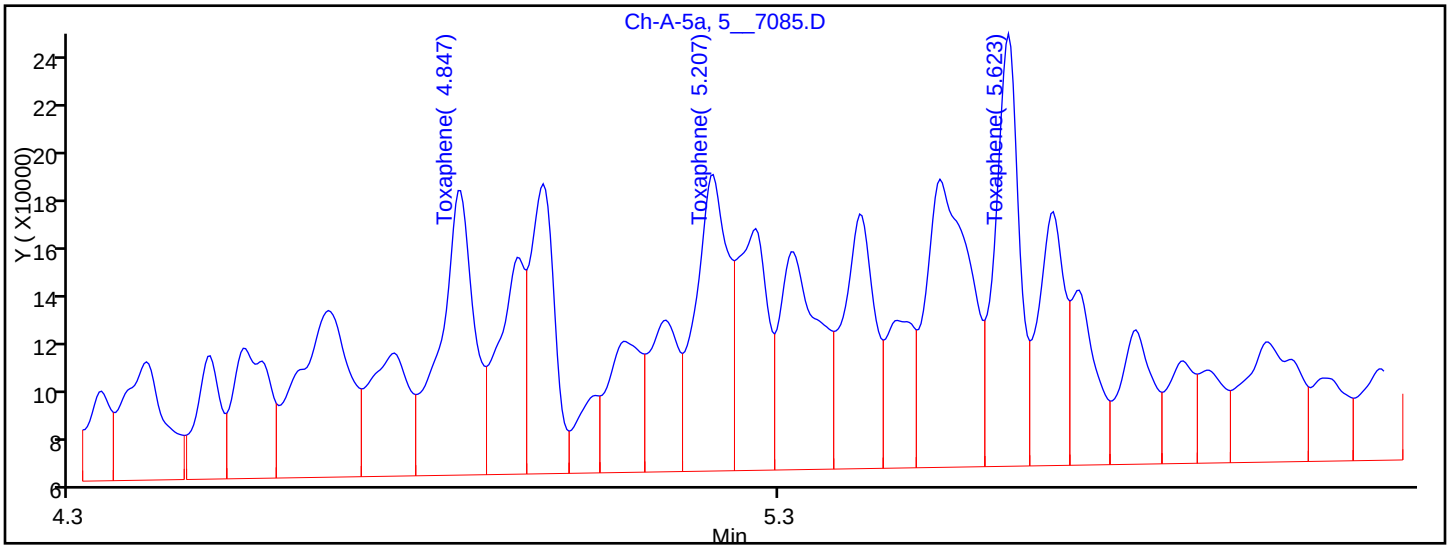
Column: Detector Ch-A-6A58132

24 Toxaphene, CAS: 8001-35-2



Processing Integration Results

RT = 4.847	Response = 261142	M
RT = 5.207	Response = 293293	M
RT = 5.623	Response = 335353	M



Manual Integration Results

RT = 4.847	Response = 371503	M
RT = 5.207	Response = 368476	M
RT = 5.623	Response = 394518	M

Reviewer: WolfL, 27-Mar-2014 15:56:13

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7086.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 27-Mar-2014 15:57:34 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub7

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:53 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 28-Mar-2014 10:21:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
24 Toxaphene						M
1	4.850	4.850	0.0	189704	0.0520	M
1	5.207	5.207	0.0	219770	0.0543	M
1	5.623	5.623	0.0	220496	0.0523	M
		Average of Peak Amounts =			0.0529	
2	5.753	5.757	-0.004	257003	0.0505	M
2	6.103	6.103	0.0	134605	0.0508	M
2	6.527	6.527	0.0	115687	0.0508	M
		Average of Peak Amounts =			0.0507	
					RPD = 4.21	

QC Flag Legend

Review Flags
M - Manually Integrated

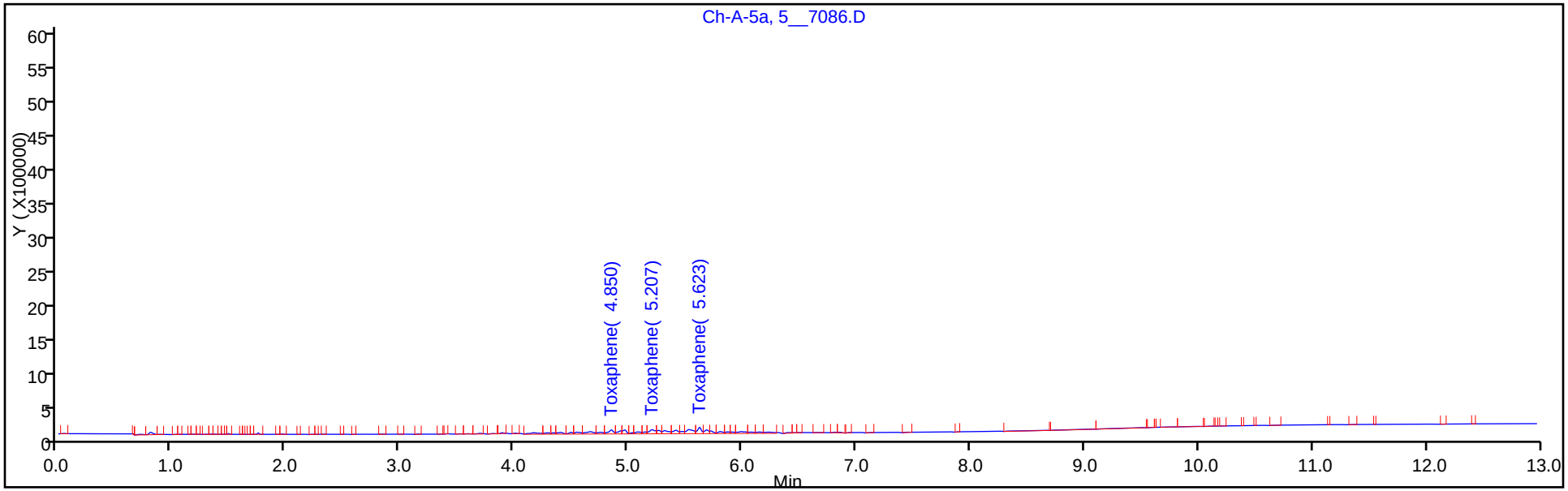
Report Date: 28-Mar-2014 10:55:54 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

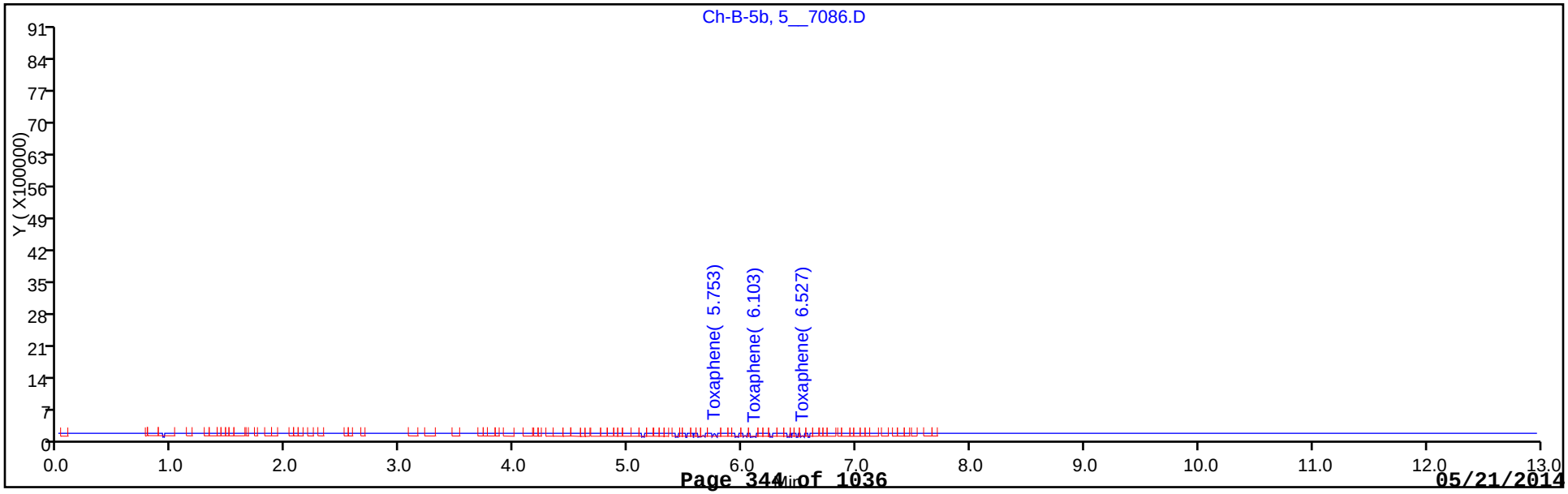
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7086.D

Injection Date:	27-Mar-2014 15:57:34	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value

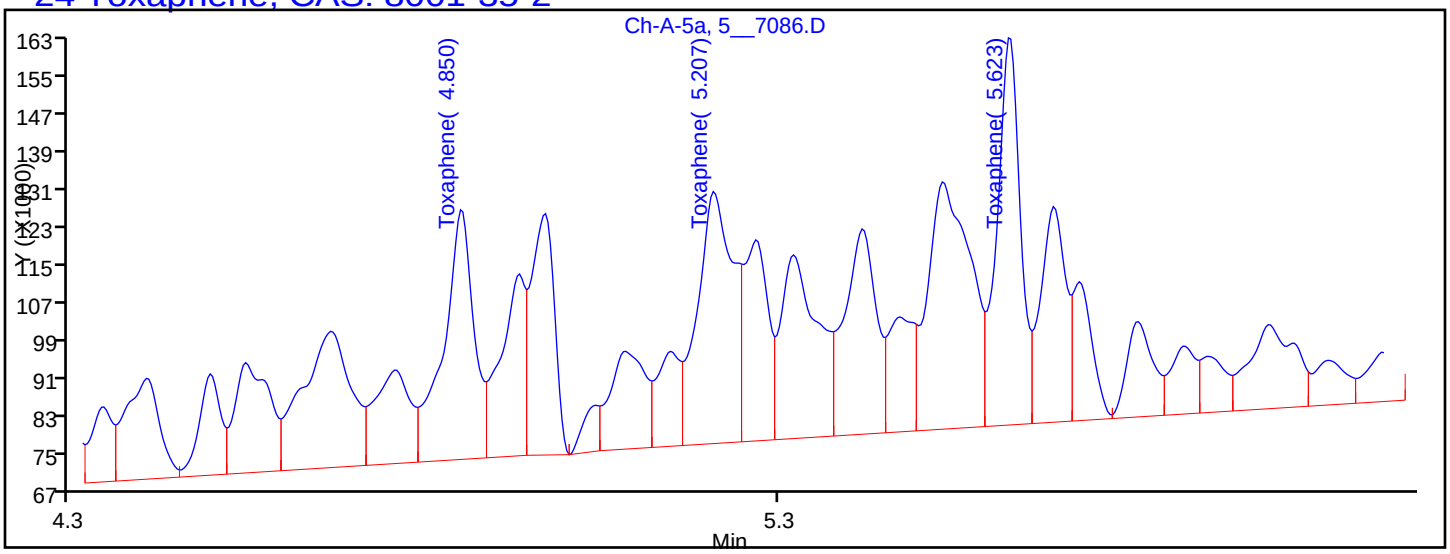


Report Date: 28-Mar-2014 10:55:54 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

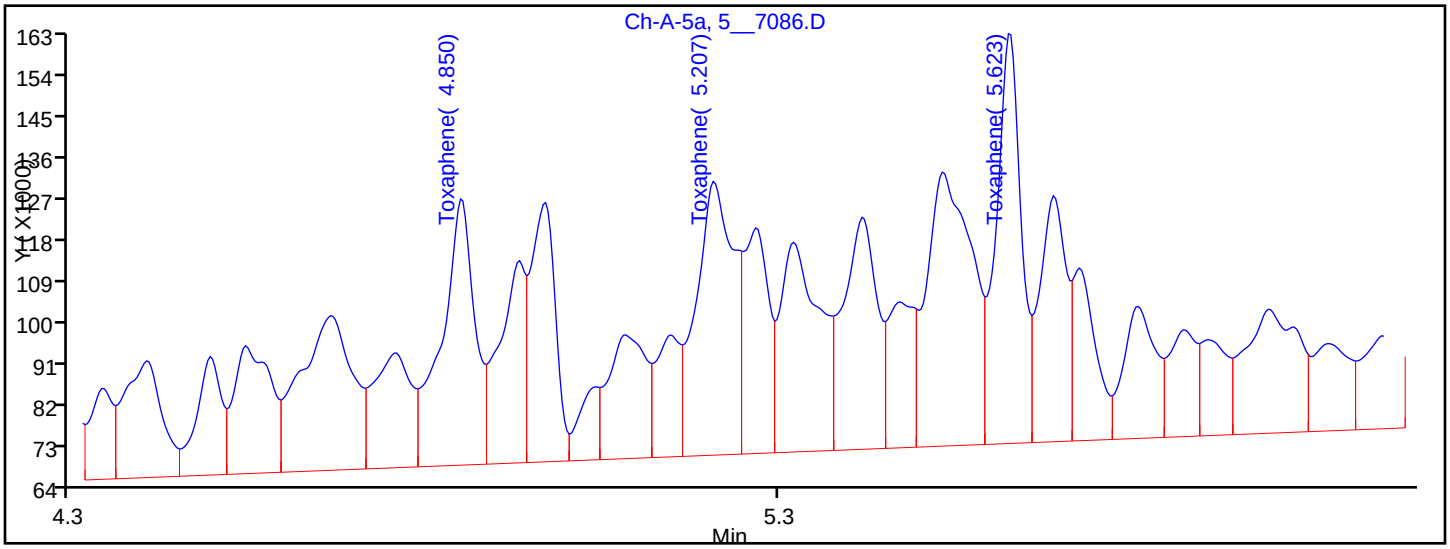
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7086.D
Injection Date: 27-Mar-2014 15:57:34 Instrument ID: HP6890-5
Lims ID: std
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8081-5 Limit Group: GC - 608 Pest ICAL
Column: Detector Ch-A-6A58132

24 Toxaphene, CAS: 8001-35-2



Processing Integration Results

RT = 4.850	Response = 156572	M
RT = 5.207	Response = 185295	M
RT = 5.623	Response = 187518	M



Manual Integration Results

RT = 4.850	Response = 189704	M
RT = 5.207	Response = 219770	M
RT = 5.623	Response = 220496	M

Reviewer: WolfL, 28-Mar-2014 10:21:32
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.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/27/2014 14:46 Calibration End Date: 03/27/2014 15:57 Calibration ID: 17851

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-172071/19	5__7086.D
Level 2	STD 480-172071/18	5__7085.D
Level 3	STD 480-172071/17	5__7084.D
Level 4	STD 480-172071/16	5__7083.D
Level 5	STD 480-172071/15	5__7082.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Toxaphene Peak 1	5.753	5.753	5.757	5.750	5.750						5.727 - 5.787	5.753
Toxaphene Peak 2	6.103	6.103	6.103	6.100	6.100						6.073 - 6.133	6.102
Toxaphene Peak 3	6.527	6.523	6.527	6.523	6.523						6.497 - 6.557	6.525

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/27/2014 14:46 Calibration End Date: 03/27/2014 15:57 Calibration ID: 17851

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-172071/19	5__7086.D
Level 2	STD 480-172071/18	5__7085.D
Level 3	STD 480-172071/17	5__7084.D
Level 4	STD 480-172071/16	5__7083.D
Level 5	STD 480-172071/15	5__7082.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	5140060 6004978	5445780	5953478	5764979	Lin1	-44165.500	5959236.03							1.0000		0.9900
Toxaphene Peak 2	2692100 3255611	2845240	3300678	3118596	Lin1	-30091.242	3245059.43							0.9990		0.9900
Toxaphene Peak 3	2313740 2801389	2484460	2762846	2702296	Lin1	-25857.820	2787055.59							1.0000		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.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/27/2014 14:46 Calibration End Date: 03/27/2014 15:57 Calibration ID: 17851

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-172071/19	5__7086.D
Level 2	STD 480-172071/18	5__7085.D
Level 3	STD 480-172071/17	5__7084.D
Level 4	STD 480-172071/16	5__7083.D
Level 5	STD 480-172071/15	5__7082.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	257003	544578	2976739	5764979	9007467	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 2	Lin1	134605	284524	1650339	3118596	4883417	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 3	Lin1	115687	248446	1381423	2702296	4202084	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\HP6890-05\20140326-30487.b\5__7082.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 27-Mar-2014 14:46:52 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#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub7

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:43 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 27-Mar-2014 15:52:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
24 Toxaphene						
1	4.847	4.850	-0.003	6210204	1.51	
1	5.203	5.207	-0.004	6088895	1.51	
1	5.623	5.623	0.0	6239130	1.51	
		Average of Peak Amounts =			1.51	
2	5.750	5.757	-0.007	9007467	1.52	
2	6.100	6.103	-0.003	4883417	1.51	
2	6.523	6.527	-0.004	4202084	1.52	
		Average of Peak Amounts =			1.52	
				RPD =	0.47	

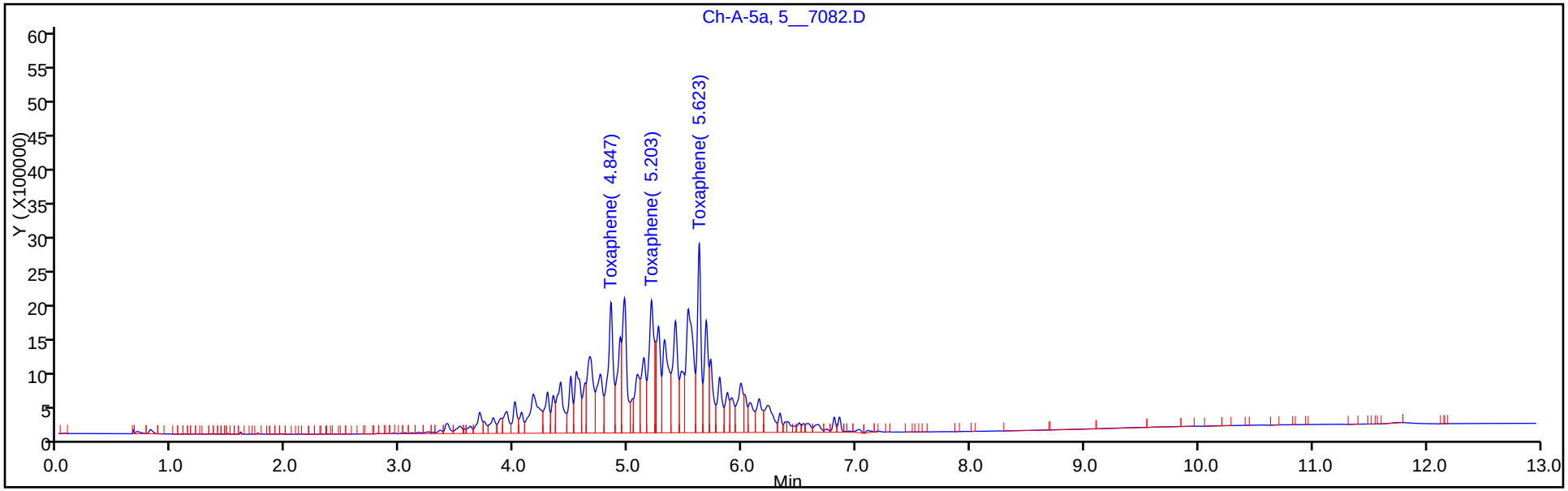
Report Date: 28-Mar-2014 10:55:44 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

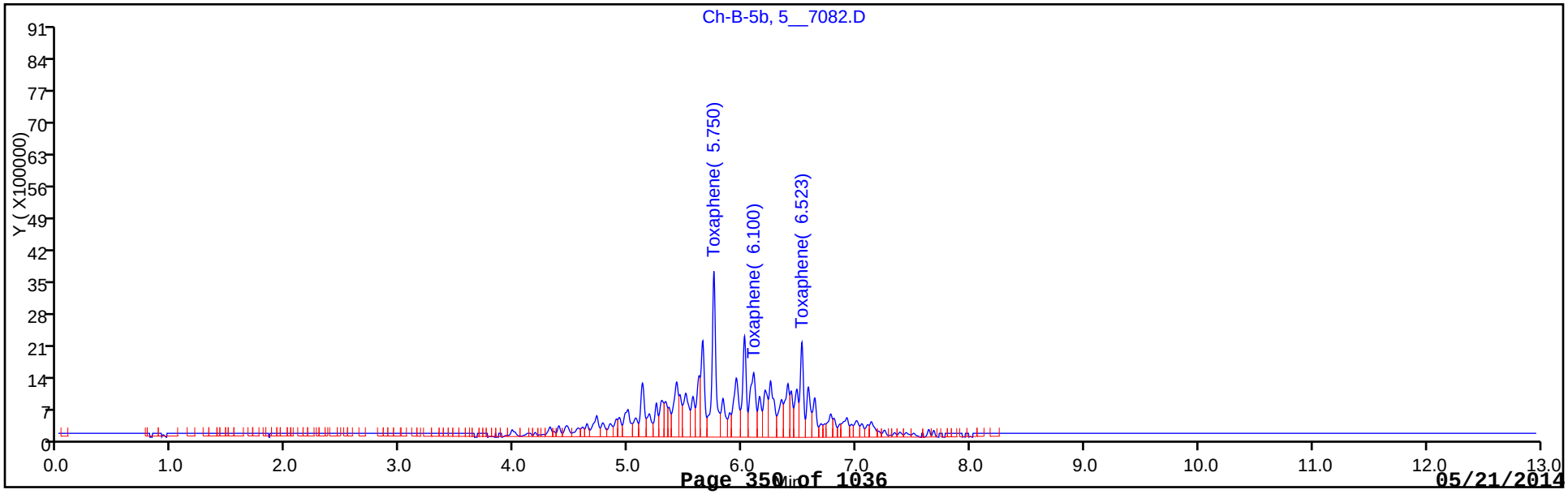
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7082.D

Injection Date:	27-Mar-2014 14:46:52	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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\HP6890-05\20140326-30487.b\5__7083.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 27-Mar-2014 15:04:31 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#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub7

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:46 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 27-Mar-2014 15:55:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
24 Toxaphene						
1	4.847	4.850	-0.003	4049375	0.9884	
1	5.203	5.207	-0.004	4013142	0.99	
1	5.623	5.623	0.0	4086903	0.9871	
		Average of Peak Amounts =			0.9900	
2	5.750	5.757	-0.007	5764979	0.9748	
2	6.100	6.103	-0.003	3118596	0.9703	
2	6.523	6.527	-0.004	2702296	0.9789	
		Average of Peak Amounts =			0.9747	
				RPD =	1.56	

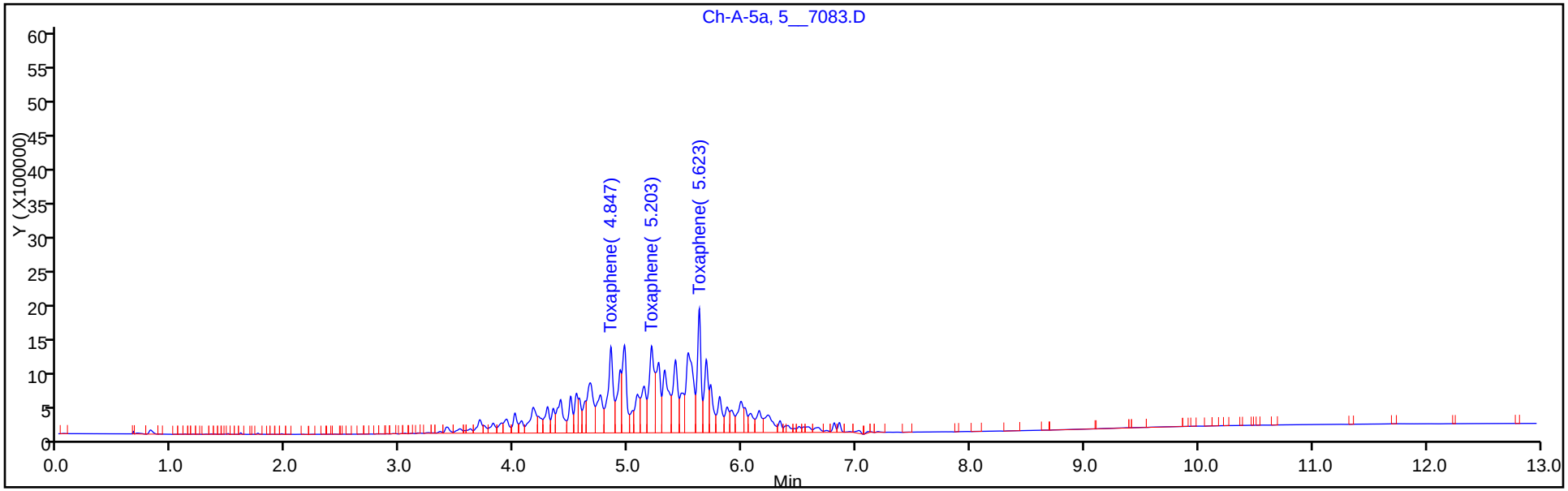
Report Date: 28-Mar-2014 10:55:46 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

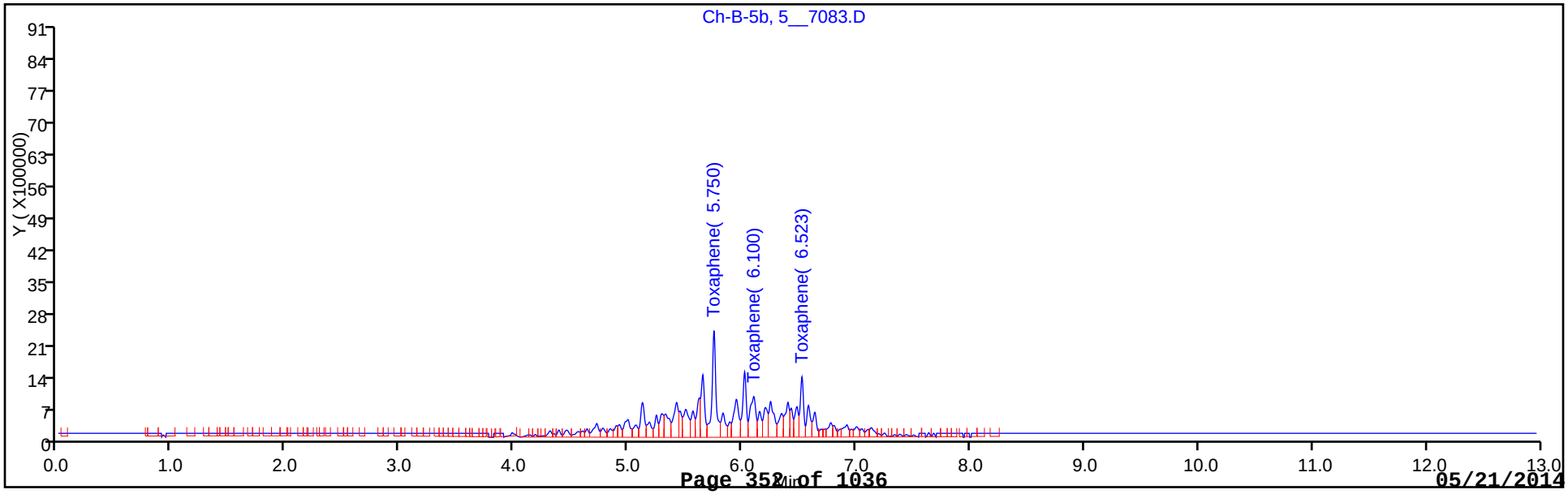
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7083.D

Injection Date:	27-Mar-2014 15:04:31	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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\HP6890-05\20140326-30487.b\5__7084.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 27-Mar-2014 15:22:15 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub7

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:49 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 27-Mar-2014 15:55:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
24 Toxaphene						M
1	4.850	4.850	0.0	2039382	0.5008	M
1	5.207	5.207	0.0	2024016	0.5014	M
1	5.623	5.623	0.0	2108871	0.5089	M
		Average of Peak Amounts =			0.5037	
2	5.757	5.757	0.0	2976739	0.5069	M
2	6.103	6.103	0.0	1650339	0.5178	M
2	6.527	6.527	0.0	1381423	0.5049	M
		Average of Peak Amounts =			0.5099	
				RPD =	1.23	

QC Flag Legend

Review Flags
M - Manually Integrated

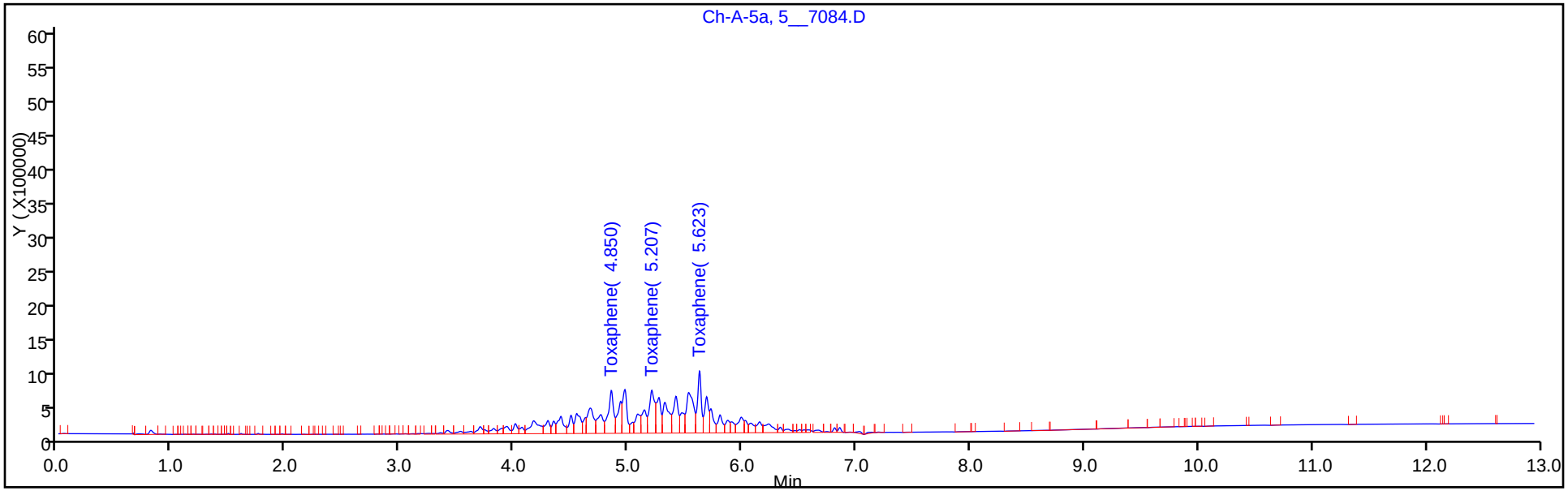
Report Date: 28-Mar-2014 10:55:49 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

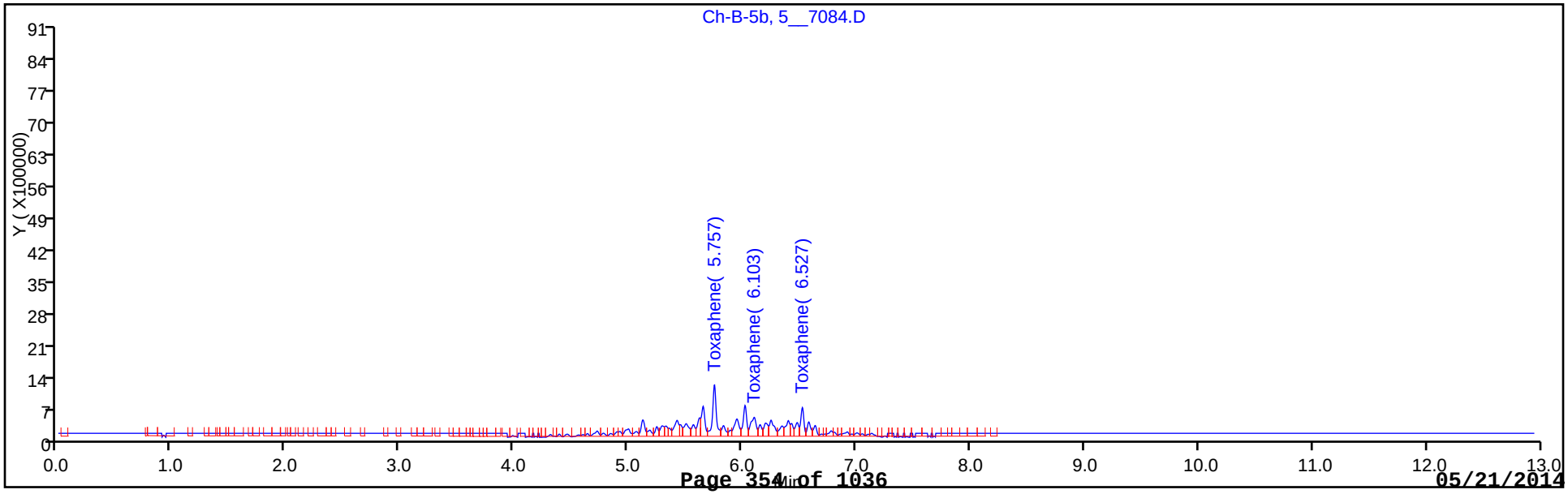
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7084.D

Injection Date:	27-Mar-2014 15:22:15	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value

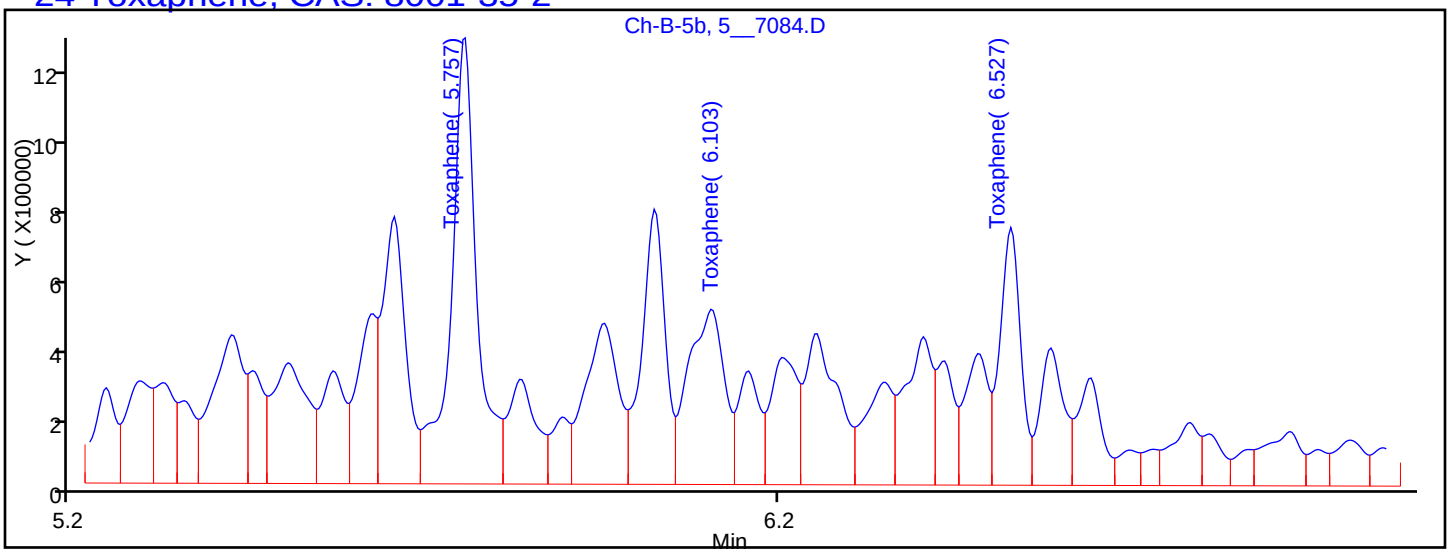


Report Date: 28-Mar-2014 10:55:49 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

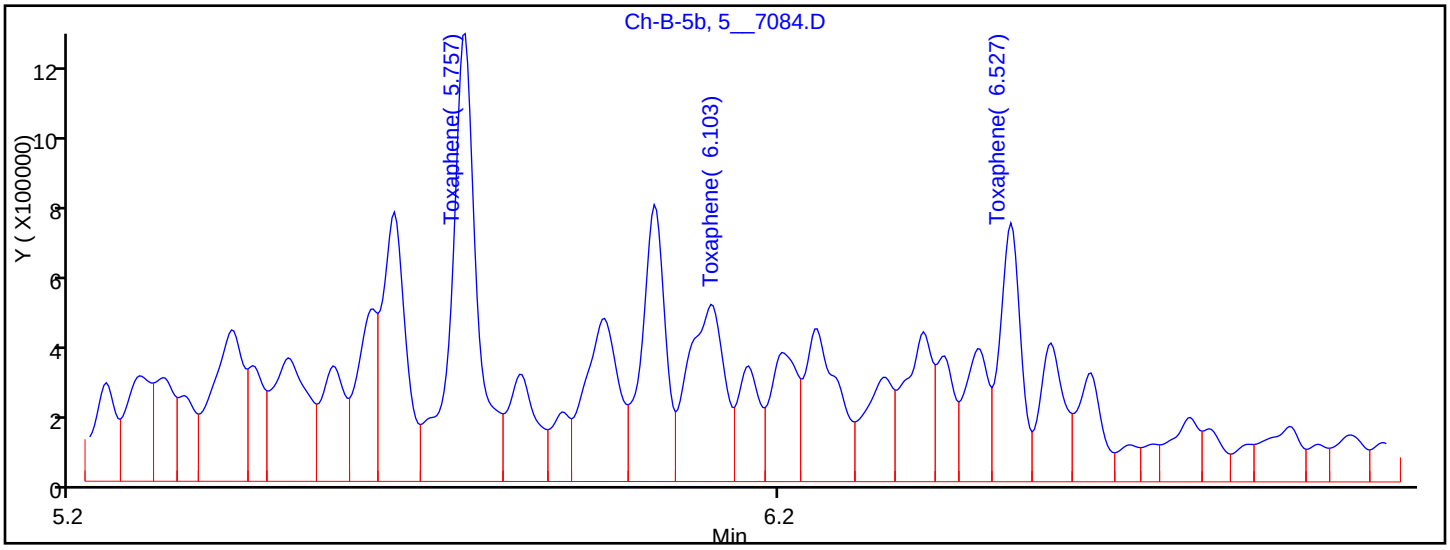
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7084.D
Injection Date: 27-Mar-2014 15:22:15 Instrument ID: HP6890-5
Lims ID: std
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8081-5 Limit Group: GC - 608 Pest ICAL
Column: Detector Ch-B-6b58132

24 Toxaphene, CAS: 8001-35-2



Processing Integration Results

RT = 5.757	Response = 2925674	M
RT = 6.103	Response = 1619584	M
RT = 6.527	Response = 1365418	M



Manual Integration Results

RT = 5.757	Response = 2976739	M
RT = 6.103	Response = 1650339	M
RT = 6.527	Response = 1381423	M

Reviewer: WolfL, 27-Mar-2014 15:56:34
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7085.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 27-Mar-2014 15:39:59 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub7

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:51 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 27-Mar-2014 15:56:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
24 Toxaphene						M
1	4.847	4.850	-0.003	371503	0.0961	M
1	5.207	5.207	0.0	368476	0.0911	M
1	5.623	5.623	0.0	394518	0.0944	M
		Average of Peak Amounts =			0.0939	
2	5.753	5.757	-0.004	544578	0.0988	M
2	6.103	6.103	0.0	284524	0.0970	M
2	6.523	6.527	-0.004	248446	0.0984	M
		Average of Peak Amounts =			0.0981	
				RPD =	4.35	

QC Flag Legend

Review Flags
M - Manually Integrated

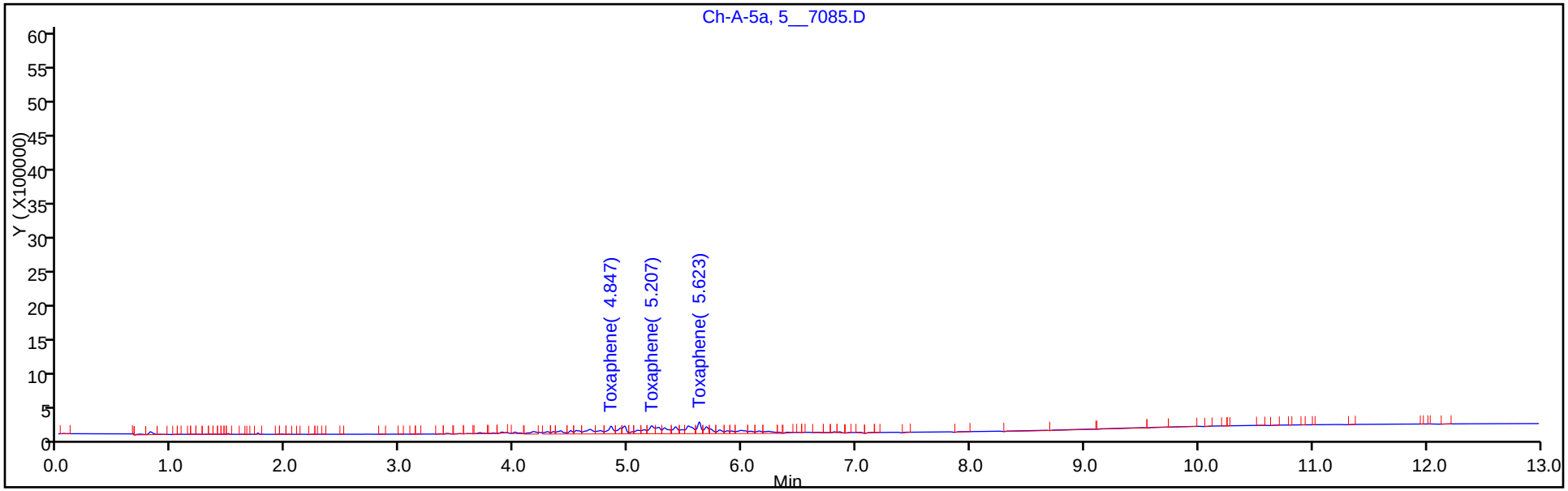
Report Date: 28-Mar-2014 10:55:52 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

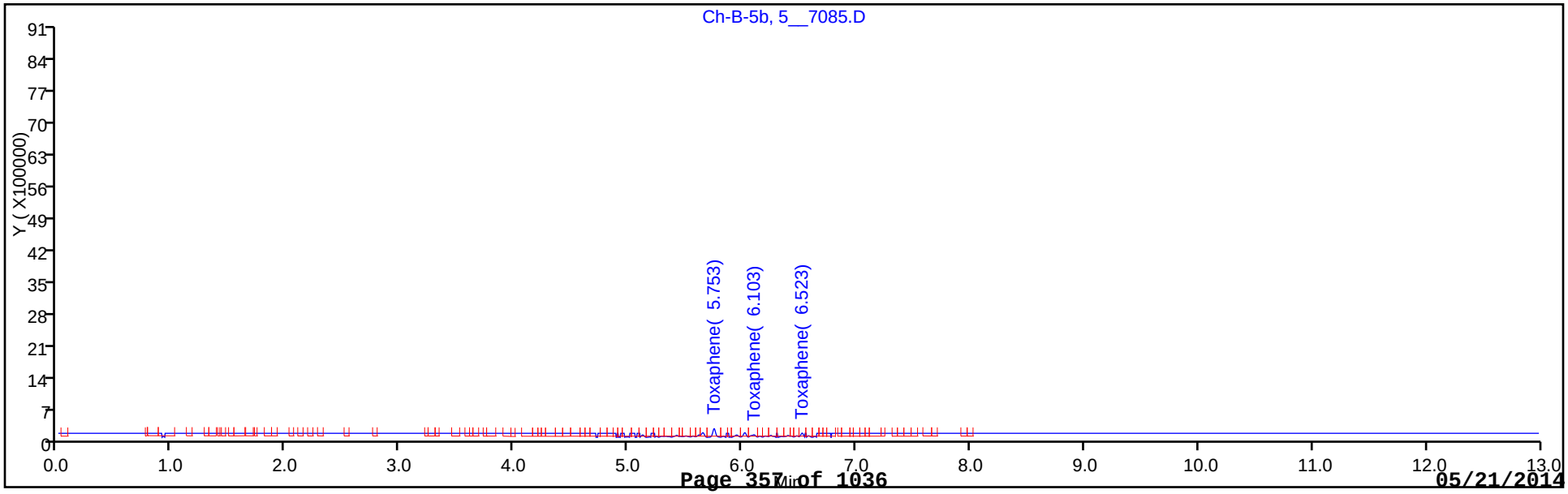
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7085.D

Injection Date:	27-Mar-2014 15:39:59	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value

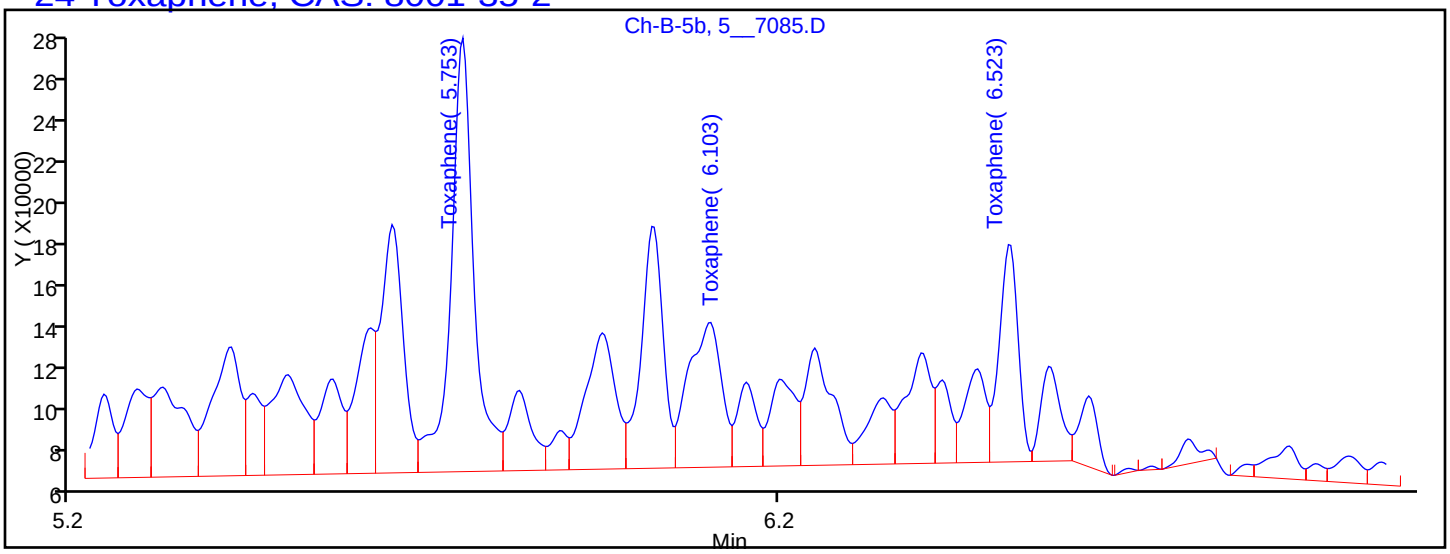


Report Date: 28-Mar-2014 10:55:52 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

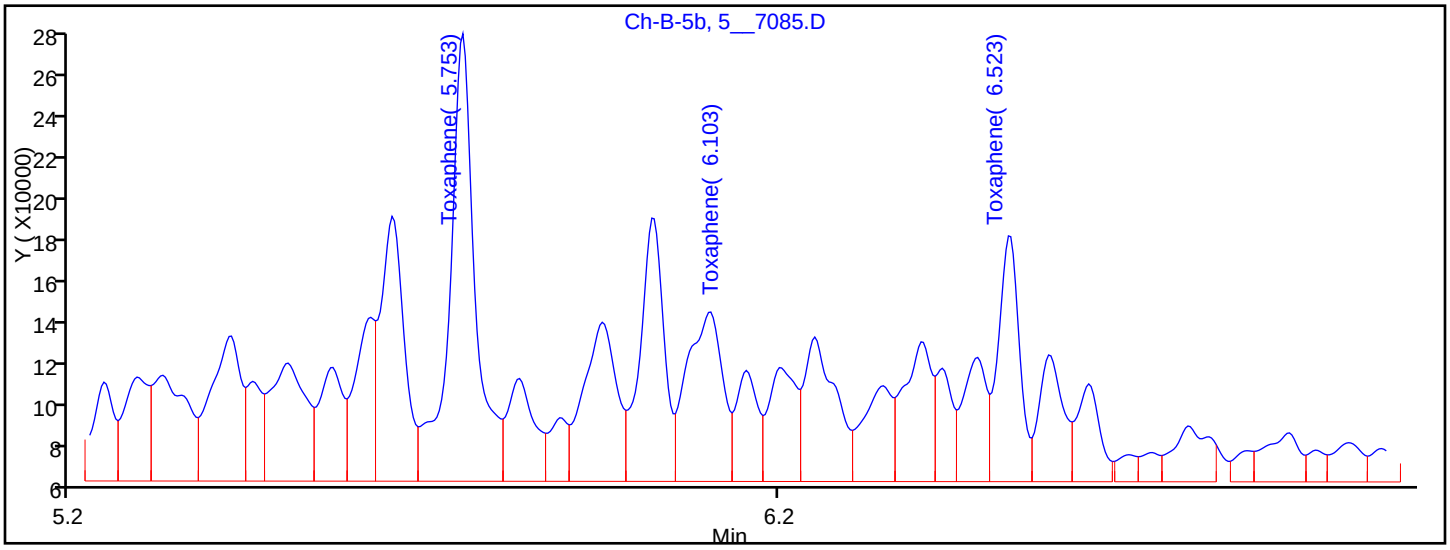
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7085.D
Injection Date: 27-Mar-2014 15:39:59 Instrument ID: HP6890-5
Lims ID: std
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8081-5 Limit Group: GC - 608 Pest ICAL
Column: Detector Ch-B-6b58132

24 Toxaphene, CAS: 8001-35-2



Processing Integration Results

RT = 5.753	Response = 464115	M
RT = 6.103	Response = 220656	M
RT = 6.523	Response = 190868	M



Manual Integration Results

RT = 5.753	Response = 544578	M
RT = 6.103	Response = 284524	M
RT = 6.523	Response = 248446	M

Reviewer: WolfL, 27-Mar-2014 15:56:13
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7086.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 27-Mar-2014 15:57:34 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub7

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:53 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 28-Mar-2014 10:21:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
24 Toxaphene						M
1	4.850	4.850	0.0	189704	0.0520	M
1	5.207	5.207	0.0	219770	0.0543	M
1	5.623	5.623	0.0	220496	0.0523	M
		Average of Peak Amounts =			0.0529	
2	5.753	5.757	-0.004	257003	0.0505	M
2	6.103	6.103	0.0	134605	0.0508	M
2	6.527	6.527	0.0	115687	0.0508	M
		Average of Peak Amounts =			0.0507	
					RPD = 4.21	

QC Flag Legend

Review Flags
M - Manually Integrated

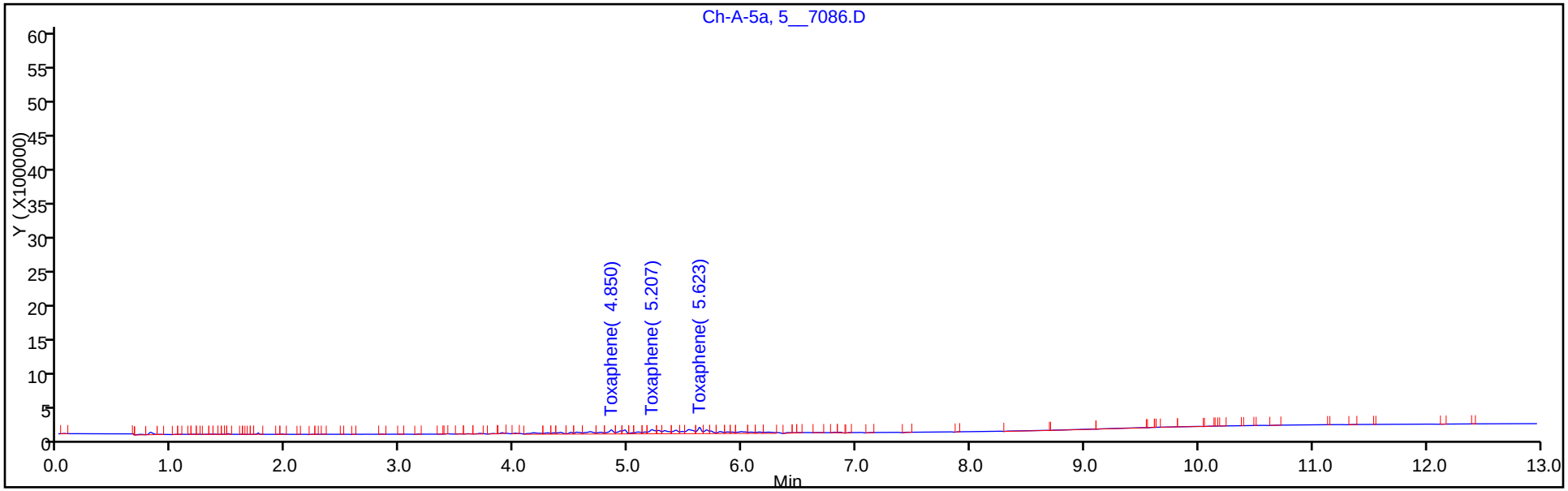
Report Date: 28-Mar-2014 10:55:54 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

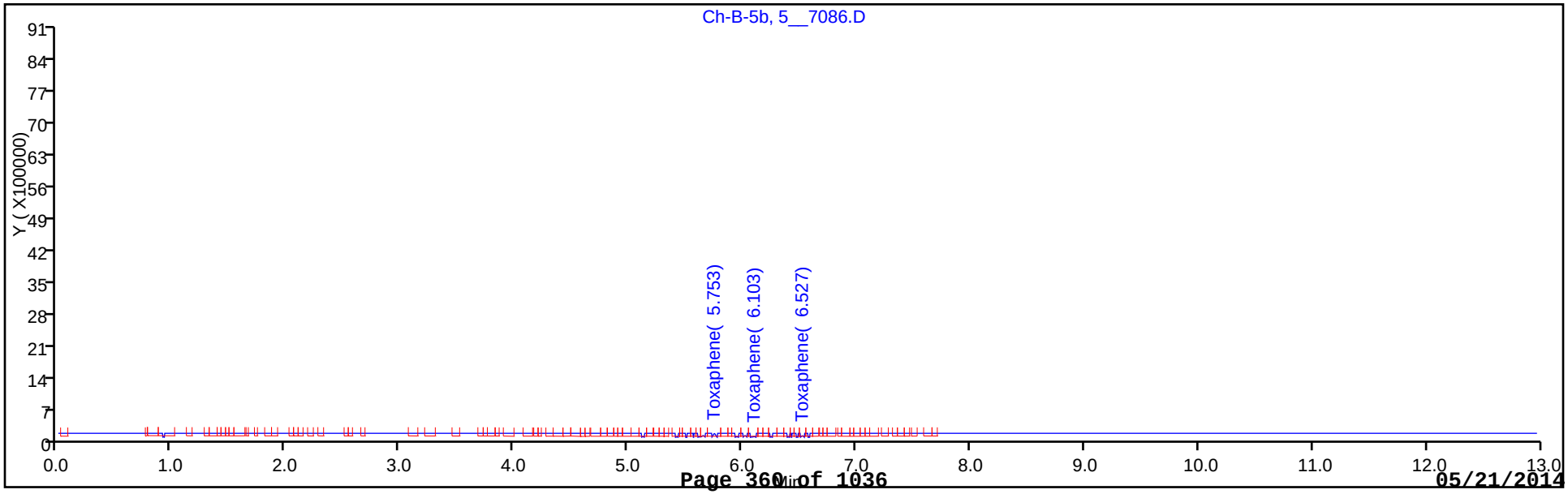
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7086.D

Injection Date:	27-Mar-2014 15:57:34	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value

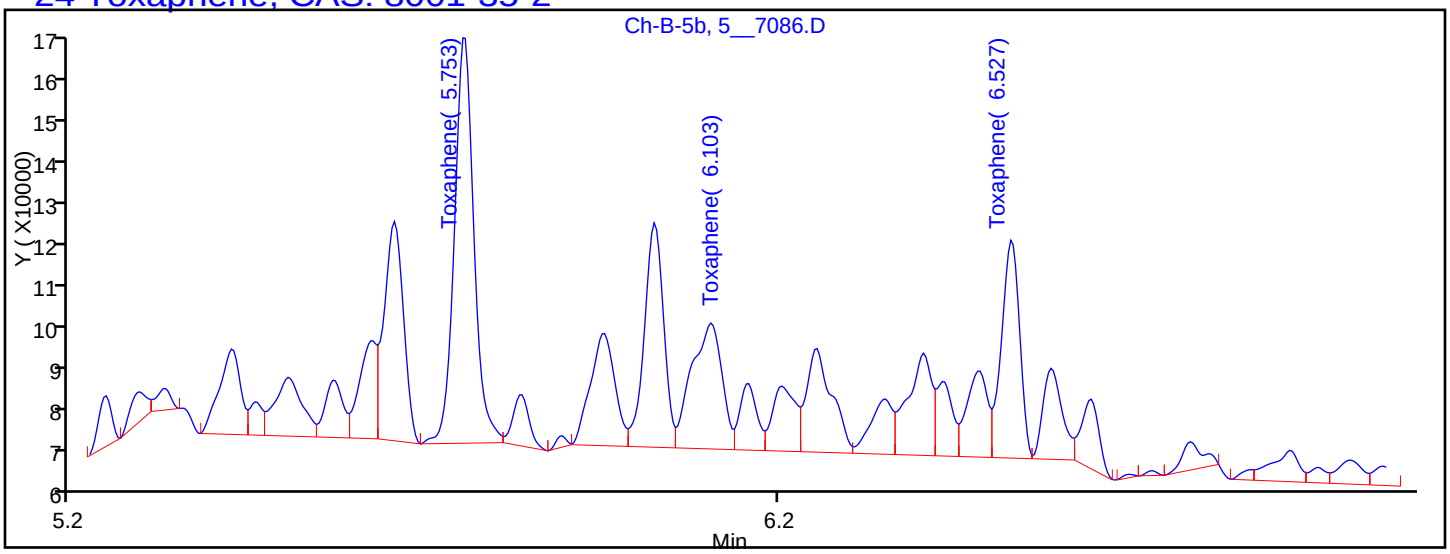


Report Date: 28-Mar-2014 10:55:54 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

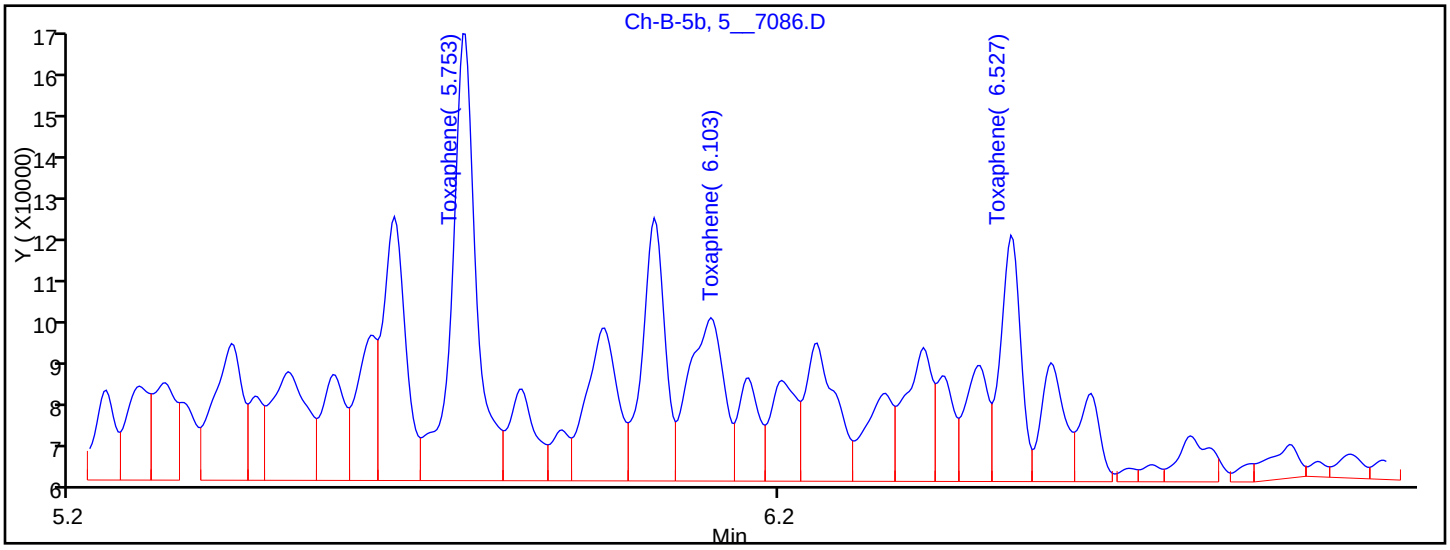
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7086.D
Injection Date: 27-Mar-2014 15:57:34 Instrument ID: HP6890-5
Lims ID: std
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8081-5 Limit Group: GC - 608 Pest ICAL
Column: Detector Ch-B-6b58132

24 Toxaphene, CAS: 8001-35-2



Processing Integration Results

RT = 5.753	Response = 185029	M
RT = 6.103	Response = 89237	M
RT = 6.527	Response = 91921	M



Manual Integration Results

RT = 5.753	Response = 257003	M
RT = 6.103	Response = 134605	M
RT = 6.527	Response = 115687	M

Reviewer: WolfL, 28-Mar-2014 10:21:32
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.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/27/2014 18:19 Calibration End Date: 03/27/2014 19:29 Calibration ID: 17866

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-172071/31	5__7098.D
Level 2	STD 480-172071/30	5__7097.D
Level 3	STD 480-172071/29	5__7096.D
Level 4	STD 480-172071/28	5__7095.D
Level 5	STD 480-172071/27	5__7094.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Chlordane (technical) Peak 1	3.370	3.370	3.370	3.370	3.370						3.340 - 3.400	3.370
Chlordane (technical) Peak 2	3.727	3.727	3.727	3.727	3.727						3.697 - 3.757	3.727
Chlordane (technical) Peak 3	3.903	3.903	3.903	3.903	3.907						3.873 - 3.933	3.904
Chlordane (technical) Peak 4	4.023	4.023	4.023	4.023	4.027						3.993 - 4.053	4.024
Chlordane (technical) Peak 5	4.790	4.790	4.793	4.790	4.790						4.763 - 4.823	4.791

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/27/2014 18:19 Calibration End Date: 03/27/2014 19:29 Calibration ID: 17866

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-172071/31	5__7098.D
Level 2	STD 480-172071/30	5__7097.D
Level 3	STD 480-172071/29	5__7096.D
Level 4	STD 480-172071/28	5__7095.D
Level 5	STD 480-172071/27	5__7094.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								
Chlordane (technical) Peak 1	2964220 2864201	2579820	2770994	2928799	Lin1	-7941.3553	2875078.66							0.9990		0.9900
Chlordane (technical) Peak 2	1725360 2113433	1658260	1866910	2096739	Lin1	-30363.697	2096589.36							0.9980		0.9900
Chlordane (technical) Peak 3	11526620 13931978	11791880	13236362	13661781	Lin1	-155448.29	13876409.3							1.0000		0.9900
Chlordane (technical) Peak 4	19762820 23409418	20158320	22642452	22859749	Lin1	-230378.58	23317767.6							1.0000		0.9900
Chlordane (technical) Peak 5	2513280 3458308	2653350	3078160	3368012	Lin1	-61119.907	3425762.71							0.9990		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.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPI ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/27/2014 18:19 Calibration End Date: 03/27/2014 19:29 Calibration ID: 17866

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-172071/31	5__7098.D
Level 2	STD 480-172071/30	5__7097.D
Level 3	STD 480-172071/29	5__7096.D
Level 4	STD 480-172071/28	5__7095.D
Level 5	STD 480-172071/27	5__7094.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
Chlordane (technical) Peak 1	Lin1	148211	257982	1385497	2928799	4296302	0.0500	0.100	0.500	1.00	1.50
Chlordane (technical) Peak 2	Lin1	86268	165826	933455	2096739	3170150	0.0500	0.100	0.500	1.00	1.50
Chlordane (technical) Peak 3	Lin1	576331	1179188	6618181	13661781	20897967	0.0500	0.100	0.500	1.00	1.50
Chlordane (technical) Peak 4	Lin1	988141	2015832	11321226	22859749	35114127	0.0500	0.100	0.500	1.00	1.50
Chlordane (technical) Peak 5	Lin1	125664	265335	1539080	3368012	5187462	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\HP6890-05\20140326-30487.b\5__7094.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 27-Mar-2014 18:19:00 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub6

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:27 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 28-Mar-2014 10:31:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
11 Chlordane (technical)						
1	3.370	3.370	0.0	4296302	1.50	
1	3.727	3.727	0.0	3170150	1.53	
1	3.907	3.903	0.004	20897967	1.52	
1	4.027	4.023	0.004	35114127	1.52	
1	4.790	4.793	-0.003	5187462	1.53	
		Average of Peak Amounts =			1.52	
2	4.037	4.033	0.004	5440951	1.49	
2	4.430	4.427	0.003	5039362	1.50	
2	4.663	4.663	0.0	22517630	1.50	
2	4.813	4.813	0.0	16464092	1.51	
2	5.717	5.717	0.0	5622039	1.51	
		Average of Peak Amounts =			1.50	
				RPD =	1.07	

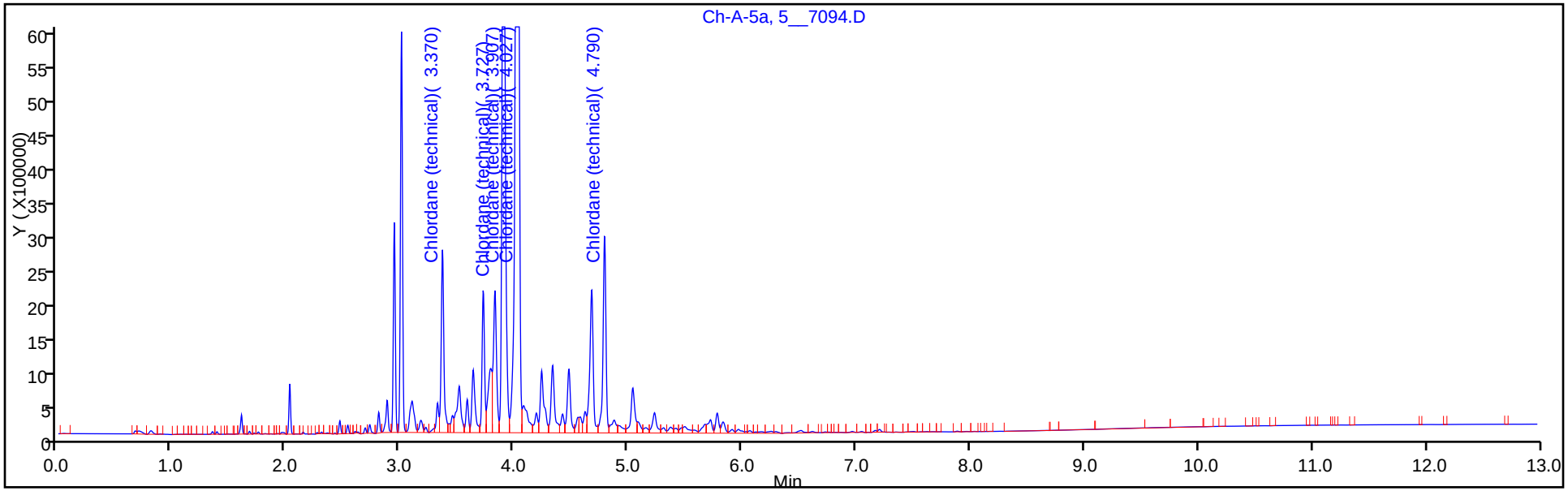
Report Date: 28-Mar-2014 10:55:27 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

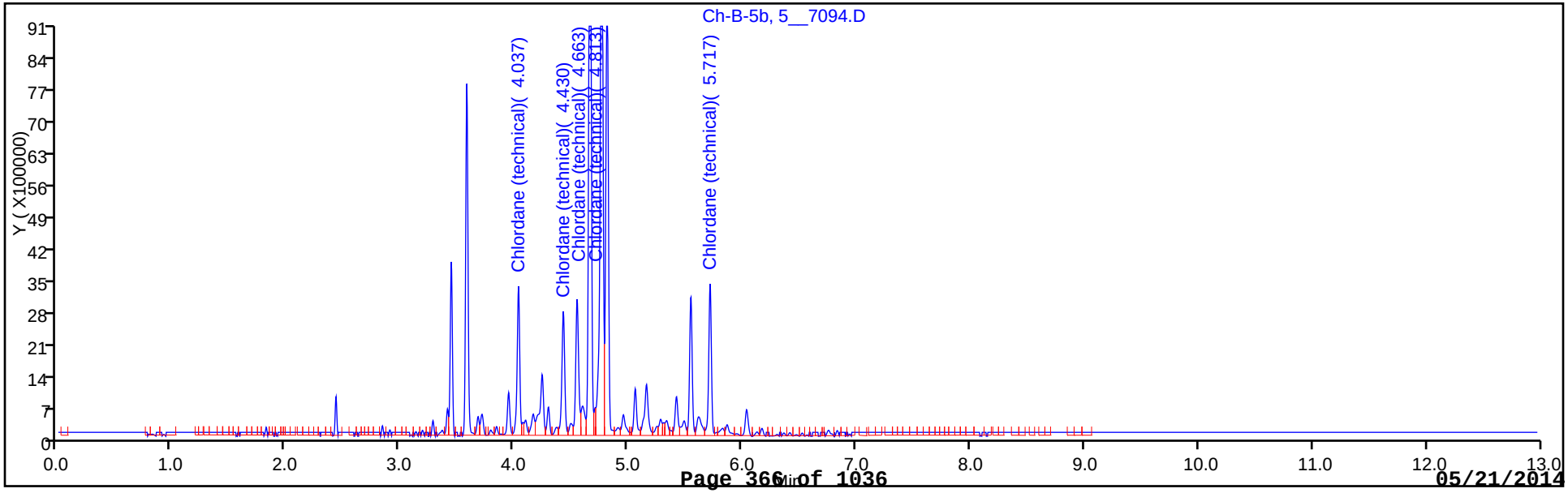
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7094.D

Injection Date:	27-Mar-2014 18:19:00	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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\HP6890-05\20140326-30487.b\5__7095.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 27-Mar-2014 18:36:43 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub6

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:30 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 28-Mar-2014 10:33:38

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
11 Chlordane (technical)						
1	3.370	3.370	0.0	2928799	1.02	
1	3.727	3.727	0.0	2096739	1.01	
1	3.903	3.903	0.0	13661781	1.00	
1	4.023	4.023	0.0	22859749	0.99	
1	4.790	4.793	-0.003	3368012	1.00	
		Average of Peak Amounts =			1.00	
2	4.037	4.033	0.004	3617737	0.9872	
2	4.430	4.427	0.003	3295454	0.9847	
2	4.663	4.663	0.0	14902022	0.99	
2	4.813	4.813	0.0	10740245	0.9856	
2	5.717	5.717	0.0	3635422	0.9815	
		Average of Peak Amounts =			0.9866	
				RPD =	1.81	

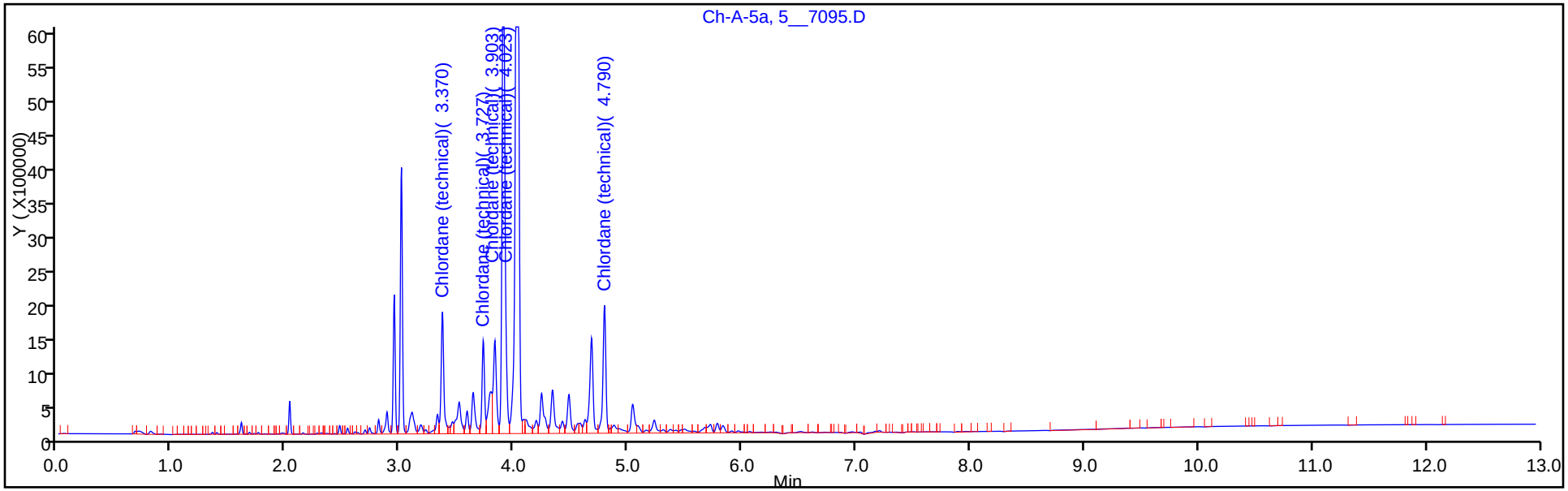
Report Date: 28-Mar-2014 10:55:30 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

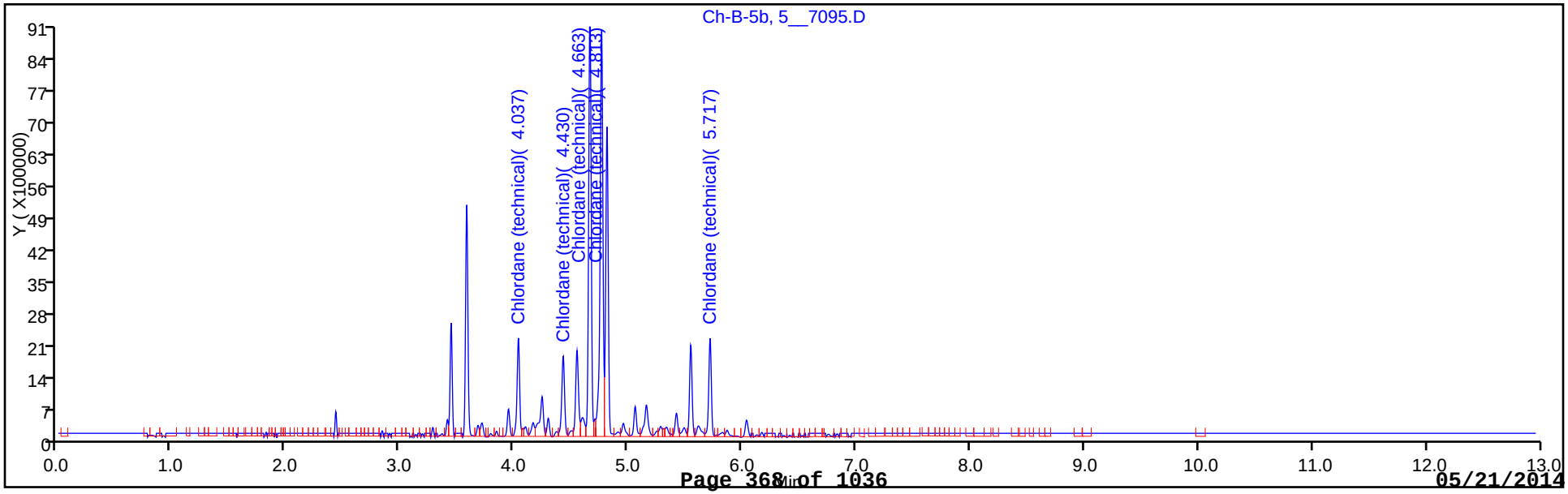
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7095.D

Injection Date:	27-Mar-2014 18:36:43	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	28
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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\HP6890-05\20140326-30487.b\5__7096.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 27-Mar-2014 18:54:20 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub6

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:32 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 28-Mar-2014 10:34:08

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
11 Chlordane (technical)						
1	3.370	3.370	0.0	1385497	0.4847	
1	3.727	3.727	0.0	933455	0.4597	
1	3.903	3.903	0.0	6618181	0.4881	
1	4.023	4.023	0.0	11321226	0.4954	
1	4.793	4.793	0.0	1539080	0.4671	
		Average of Peak Amounts =			0.4790	
2	4.033	4.033	0.0	1942686	0.5287	
2	4.427	4.427	0.0	1718013	0.5147	
2	4.663	4.663	0.0	7595032	0.5095	
2	4.813	4.813	0.0	5506216	0.5084	
2	5.717	5.717	0.0	1866157	0.5099	
		Average of Peak Amounts =			0.5142	
				RPD =	7.09	

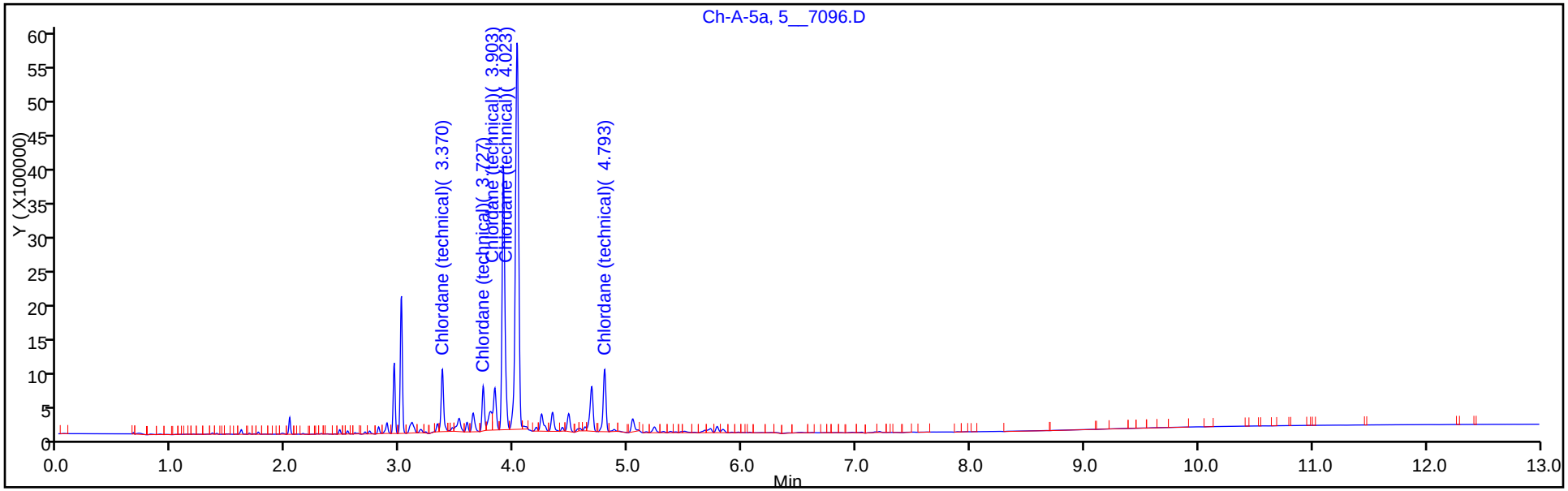
Report Date: 28-Mar-2014 10:55:32 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

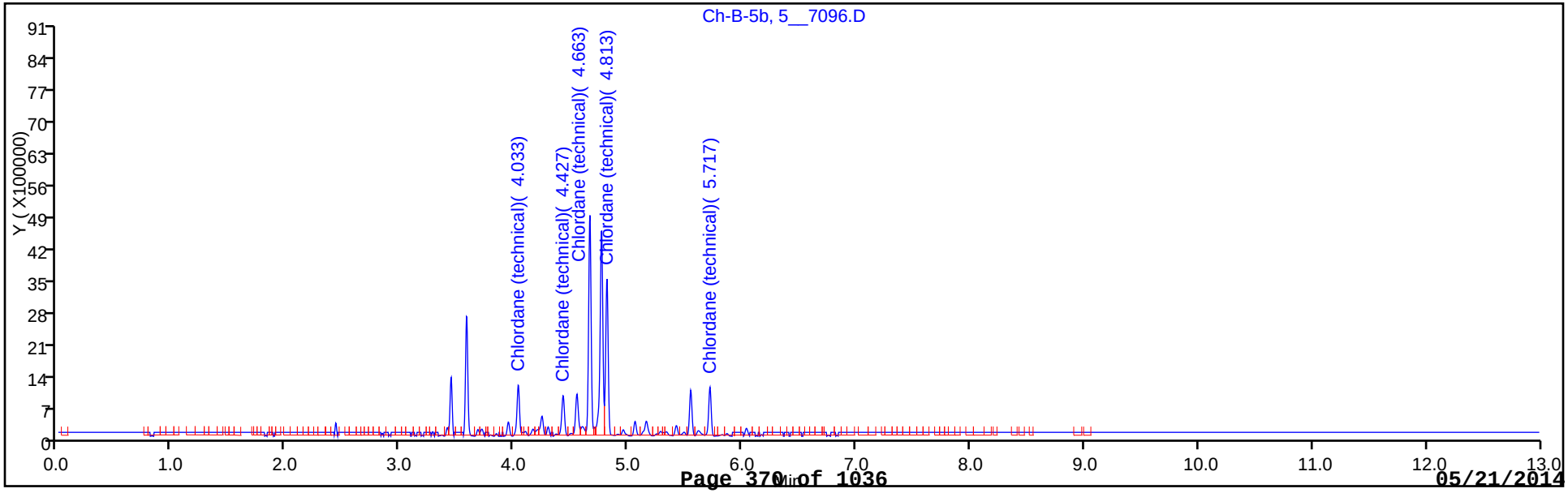
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7096.D

Injection Date:	27-Mar-2014 18:54:20	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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\HP6890-05\20140326-30487.b\5__7097.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 27-Mar-2014 19:12:01 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub6

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:35 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 28-Mar-2014 10:34:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
11 Chlordane (technical)						
1	3.370	3.370	0.0	257982	0.0925	
1	3.727	3.727	0.0	165826	0.0936	
1	3.903	3.903	0.0	1179188	0.0962	
1	4.023	4.023	0.0	2015832	0.0963	
1	4.790	4.793	-0.003	265335	0.0953	
		Average of Peak Amounts =			0.0948	
2	4.033	4.033	0.0	373409	0.0991	
2	4.427	4.427	0.0	307221	0.0944	
2	4.663	4.663	0.0	1382390	0.0977	
2	4.813	4.813	0.0	1001838	0.0977	
2	5.717	5.717	0.0	313361	0.0959	
		Average of Peak Amounts =			0.0970	
				RPD =	2.28	

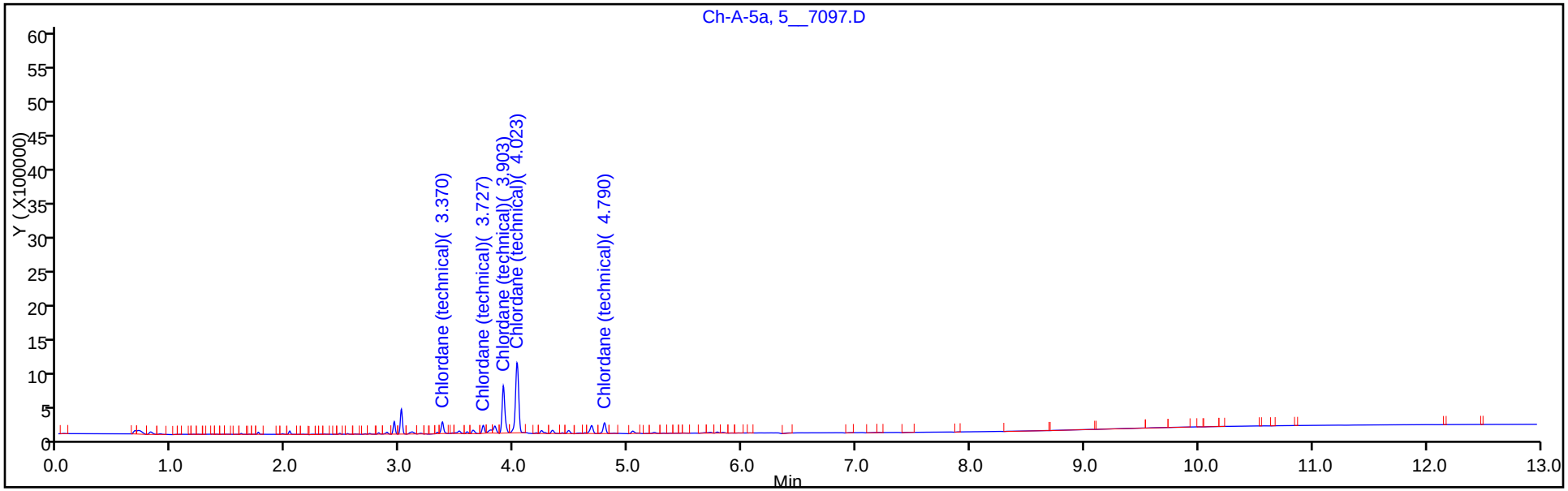
Report Date: 28-Mar-2014 10:55:35 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

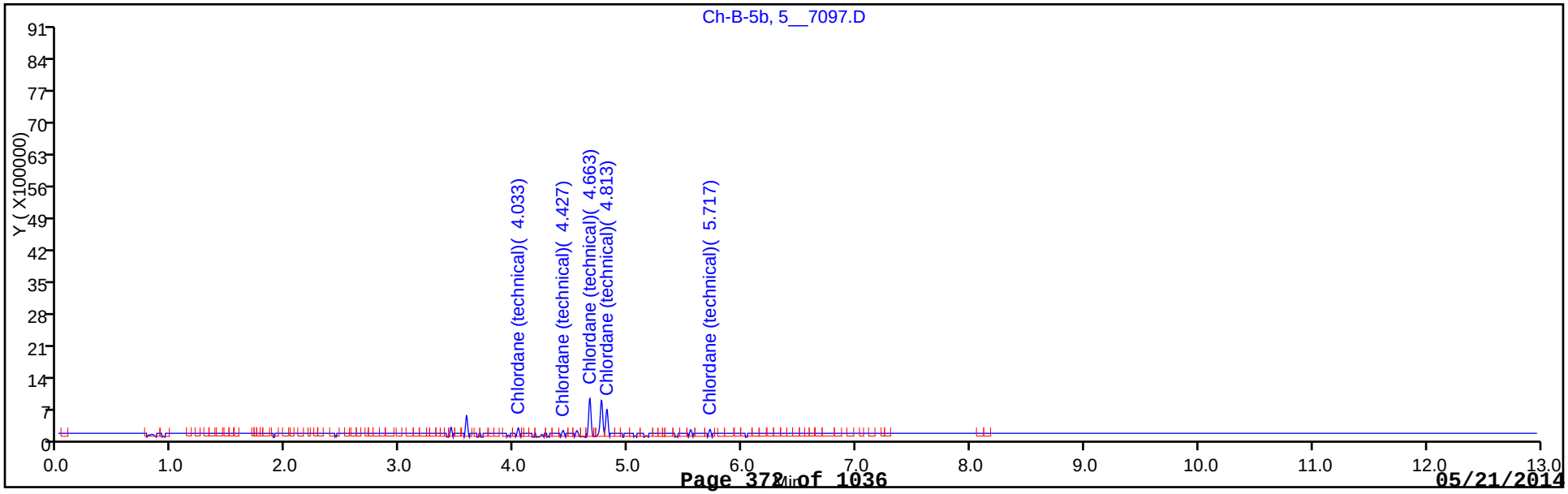
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7097.D

Injection Date:	27-Mar-2014 19:12:01	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	30
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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\HP6890-05\20140326-30487.b\5__7098.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 27-Mar-2014 19:29:41 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub6

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:37 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 28-Mar-2014 10:34:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
11 Chlordane (technical)						
1	3.370	3.370	0.0	148211	0.0543	
1	3.727	3.727	0.0	86268	0.0556	
1	3.903	3.903	0.0	576331	0.0527	
1	4.023	4.023	0.0	988141	0.0523	
1	4.790	4.793	-0.003	125664	0.0545	
		Average of Peak Amounts =			0.0539	
2	4.033	4.033	0.0	189252	0.0487	
2	4.430	4.427	0.003	164769	0.0520	
2	4.663	4.663	0.0	670986	0.0506	
2	4.813	4.813	0.0	487683	0.0508	
2	5.717	5.717	0.0	147061	0.0516	
		Average of Peak Amounts =			0.0507	
				RPD =	6.07	

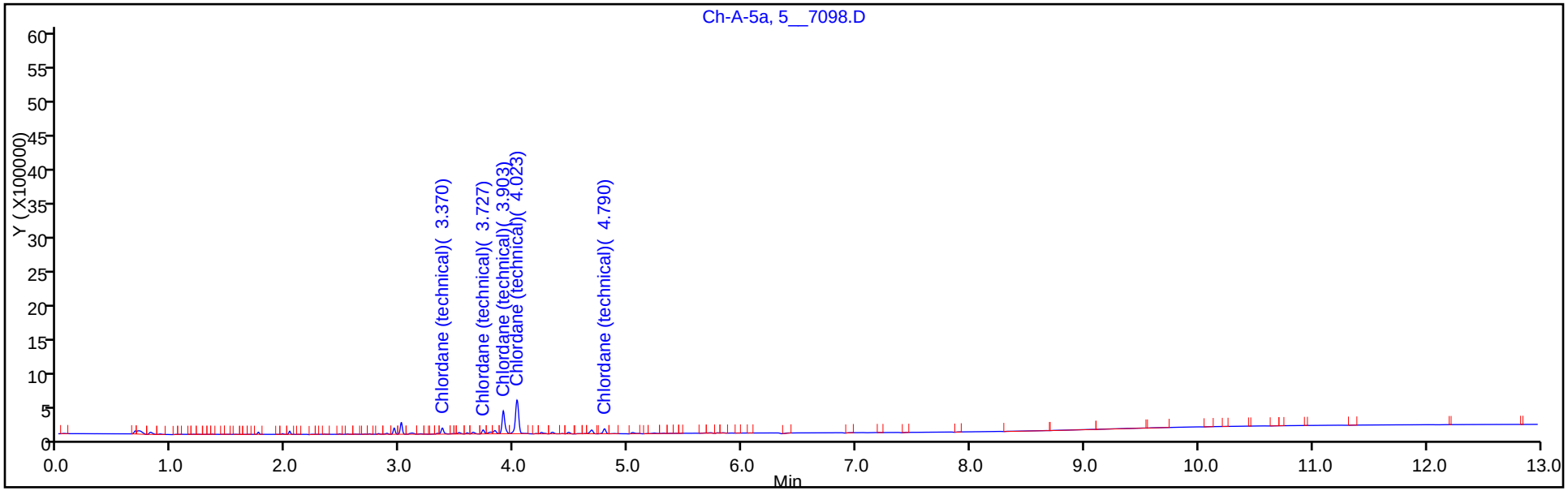
Report Date: 28-Mar-2014 10:55:37 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

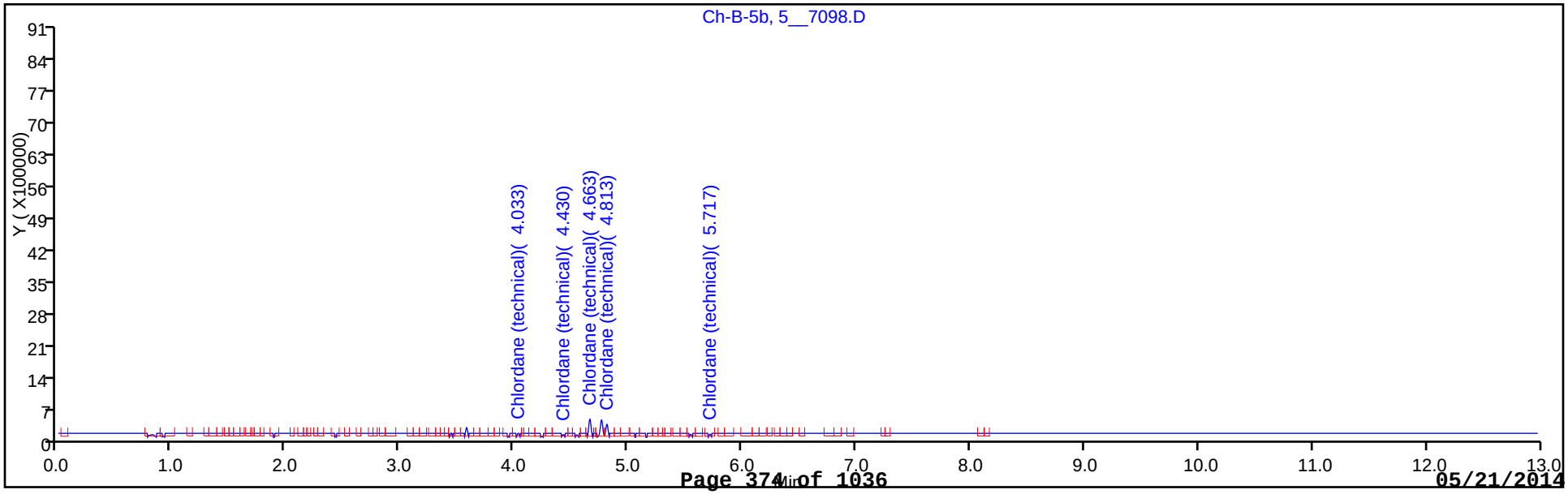
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Injection Date:	27-Mar-2014 19:29:41	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	31
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/27/2014 18:19 Calibration End Date: 03/27/2014 19:29 Calibration ID: 17867

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-172071/31	5__7098.D
Level 2	STD 480-172071/30	5__7097.D
Level 3	STD 480-172071/29	5__7096.D
Level 4	STD 480-172071/28	5__7095.D
Level 5	STD 480-172071/27	5__7094.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Chlordane (technical) Peak 1	4.033	4.033	4.033	4.037	4.037						4.003 - 4.063	4.035
Chlordane (technical) Peak 2	4.430	4.427	4.427	4.430	4.430						4.397 - 4.457	4.429
Chlordane (technical) Peak 3	4.663	4.663	4.663	4.663	4.663						4.633 - 4.693	4.663
Chlordane (technical) Peak 4	4.813	4.813	4.813	4.813	4.813						4.783 - 4.843	4.813
Chlordane (technical) Peak 5	5.717	5.717	5.717	5.717	5.717						5.687 - 5.747	5.717

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/27/2014 18:19 Calibration End Date: 03/27/2014 19:29 Calibration ID: 17867

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-172071/31	5__7098.D
Level 2	STD 480-172071/30	5__7097.D
Level 3	STD 480-172071/29	5__7096.D
Level 4	STD 480-172071/28	5__7095.D
Level 5	STD 480-172071/27	5__7094.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								
Chlordane (technical) Peak 1	3785040 3627301	3734090	3885372	3617737	Lin1	11423.5034	3652989.68							0.9990		0.9900
Chlordane (technical) Peak 2	3295380 3359575	3072210	3436026	3295454	Lin1	-9615.8458	3356475.63							1.0000		0.9900
Chlordane (technical) Peak 3	13419720 15011753	13823900	15190064	14902022	Lin1	-91866.787	15088061.6							1.0000		0.9900
Chlordane (technical) Peak 4	9753660 10976061	10018380	11012432	10740245	Lin1	-69375.919	10967286.9							1.0000		0.9900
Chlordane (technical) Peak 5	2941220 3748026	3133610	3732314	3635422	Lin1	-46512.464	3751302.32							1.0000		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.: 480-59386-1 Analy Batch No.: 172071

SDG No.:

Instrument ID: HP6890-5 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/27/2014 18:19 Calibration End Date: 03/27/2014 19:29 Calibration ID: 17867

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-172071/31	5__7098.D
Level 2	STD 480-172071/30	5__7097.D
Level 3	STD 480-172071/29	5__7096.D
Level 4	STD 480-172071/28	5__7095.D
Level 5	STD 480-172071/27	5__7094.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
Chlordane (technical) Peak 1	Lin1	189252	373409	1942686	3617737	5440951	0.0500	0.100	0.500	1.00	1.50
Chlordane (technical) Peak 2	Lin1	164769	307221	1718013	3295454	5039362	0.0500	0.100	0.500	1.00	1.50
Chlordane (technical) Peak 3	Lin1	670986	1382390	7595032	14902022	22517630	0.0500	0.100	0.500	1.00	1.50
Chlordane (technical) Peak 4	Lin1	487683	1001838	5506216	10740245	16464092	0.0500	0.100	0.500	1.00	1.50
Chlordane (technical) Peak 5	Lin1	147061	313361	1866157	3635422	5622039	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\HP6890-05\20140326-30487.b\5__7094.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 27-Mar-2014 18:19:00 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub6

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:27 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 28-Mar-2014 10:31:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
11 Chlordane (technical)						
1	3.370	3.370	0.0	4296302	1.50	
1	3.727	3.727	0.0	3170150	1.53	
1	3.907	3.903	0.004	20897967	1.52	
1	4.027	4.023	0.004	35114127	1.52	
1	4.790	4.793	-0.003	5187462	1.53	
		Average of Peak Amounts =			1.52	
2	4.037	4.033	0.004	5440951	1.49	
2	4.430	4.427	0.003	5039362	1.50	
2	4.663	4.663	0.0	22517630	1.50	
2	4.813	4.813	0.0	16464092	1.51	
2	5.717	5.717	0.0	5622039	1.51	
		Average of Peak Amounts =			1.50	
				RPD =	1.07	

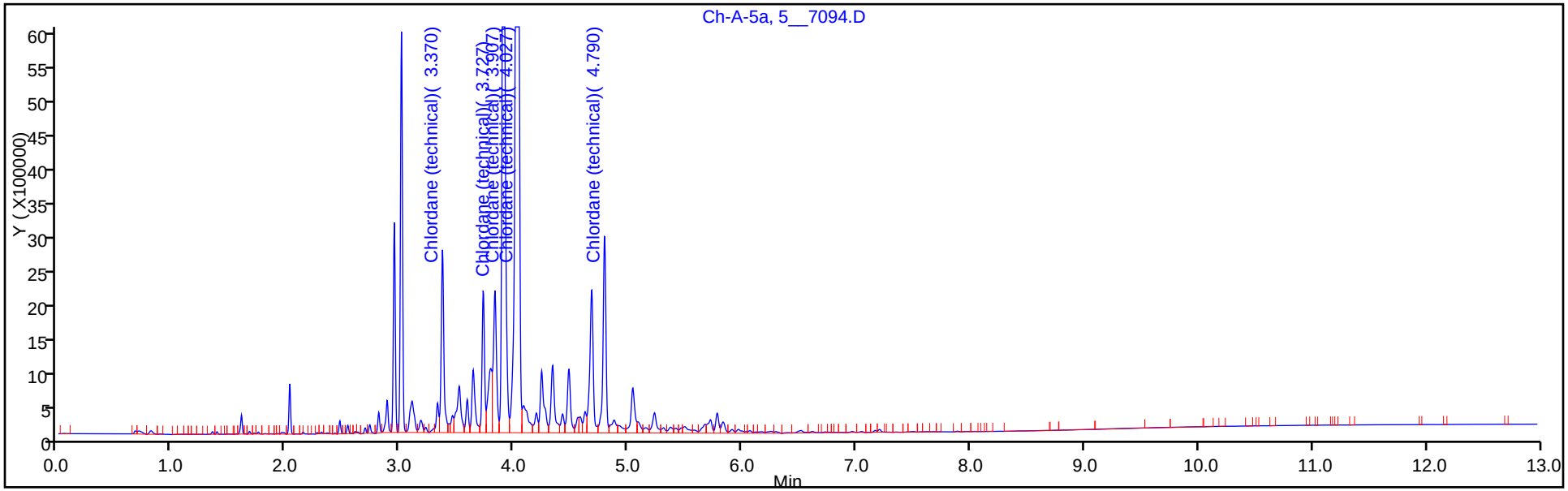
Report Date: 28-Mar-2014 10:55:28 Chrom Revision: 2.2 12-Mar-2014 11:19:24

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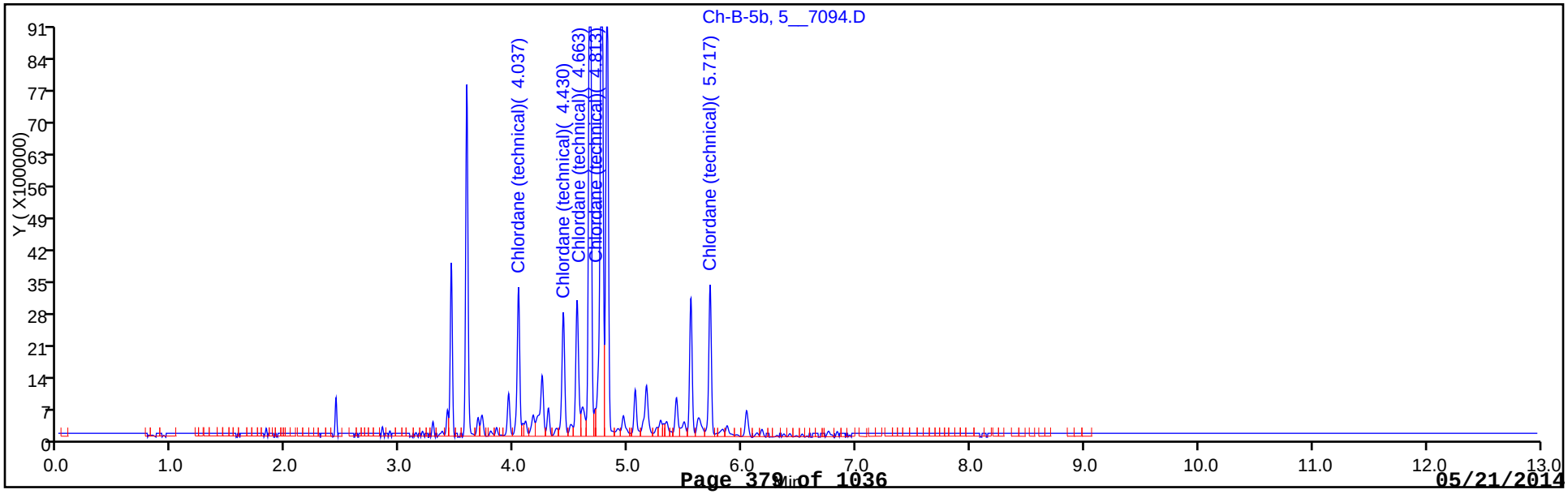
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7094.D

Injection Date:	27-Mar-2014 18:19:00	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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\HP6890-05\20140326-30487.b\5__7095.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 27-Mar-2014 18:36:43 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub6

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:30 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 28-Mar-2014 10:33:38

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
11 Chlordane (technical)						
1	3.370	3.370	0.0	2928799	1.02	
1	3.727	3.727	0.0	2096739	1.01	
1	3.903	3.903	0.0	13661781	1.00	
1	4.023	4.023	0.0	22859749	0.99	
1	4.790	4.793	-0.003	3368012	1.00	
		Average of Peak Amounts =			1.00	
2	4.037	4.033	0.004	3617737	0.9872	
2	4.430	4.427	0.003	3295454	0.9847	
2	4.663	4.663	0.0	14902022	0.99	
2	4.813	4.813	0.0	10740245	0.9856	
2	5.717	5.717	0.0	3635422	0.9815	
		Average of Peak Amounts =			0.9866	
				RPD =	1.81	

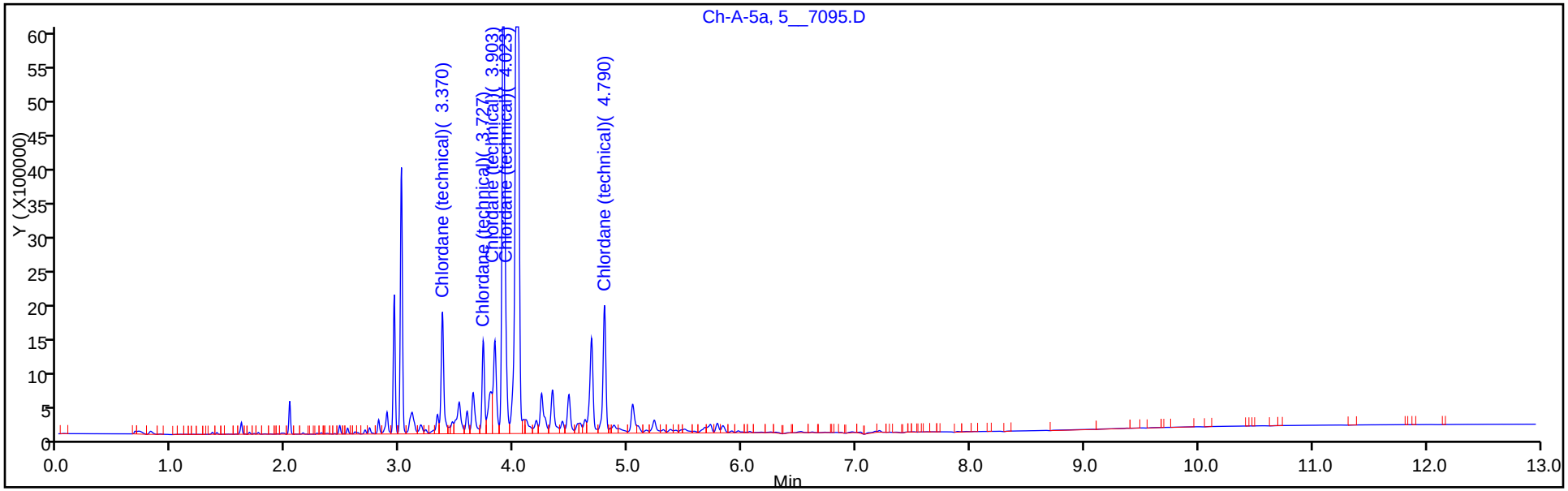
Report Date: 28-Mar-2014 10:55:30 Chrom Revision: 2.2 12-Mar-2014 11:19:24

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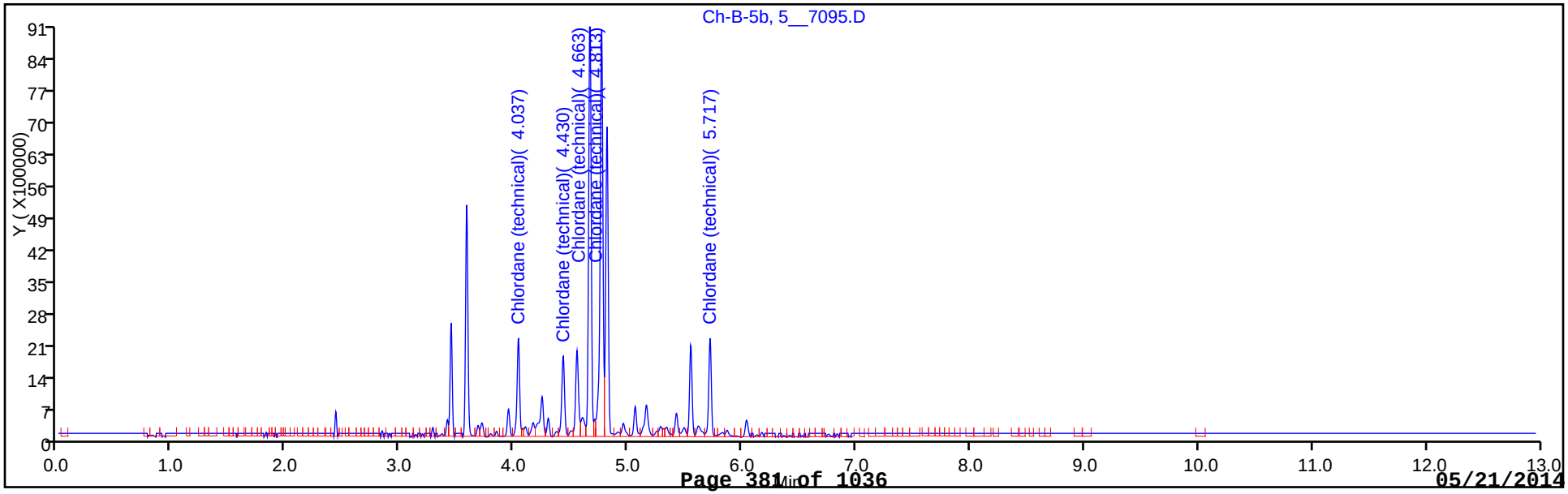
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7095.D

Injection Date:	27-Mar-2014 18:36:43	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	28
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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\HP6890-05\20140326-30487.b\5__7096.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 27-Mar-2014 18:54:20 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub6

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:32 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 28-Mar-2014 10:34:08

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
11 Chlordane (technical)						
1	3.370	3.370	0.0	1385497	0.4847	
1	3.727	3.727	0.0	933455	0.4597	
1	3.903	3.903	0.0	6618181	0.4881	
1	4.023	4.023	0.0	11321226	0.4954	
1	4.793	4.793	0.0	1539080	0.4671	
		Average of Peak Amounts =			0.4790	
2	4.033	4.033	0.0	1942686	0.5287	
2	4.427	4.427	0.0	1718013	0.5147	
2	4.663	4.663	0.0	7595032	0.5095	
2	4.813	4.813	0.0	5506216	0.5084	
2	5.717	5.717	0.0	1866157	0.5099	
		Average of Peak Amounts =			0.5142	
				RPD =	7.09	

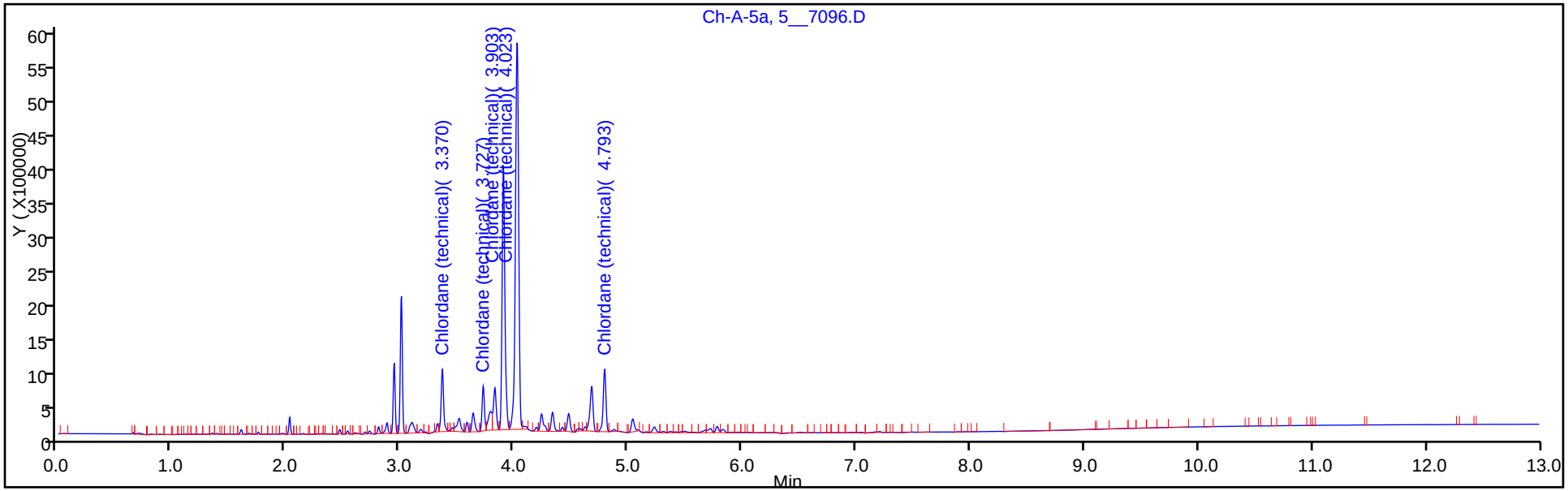
Report Date: 28-Mar-2014 10:55:32 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

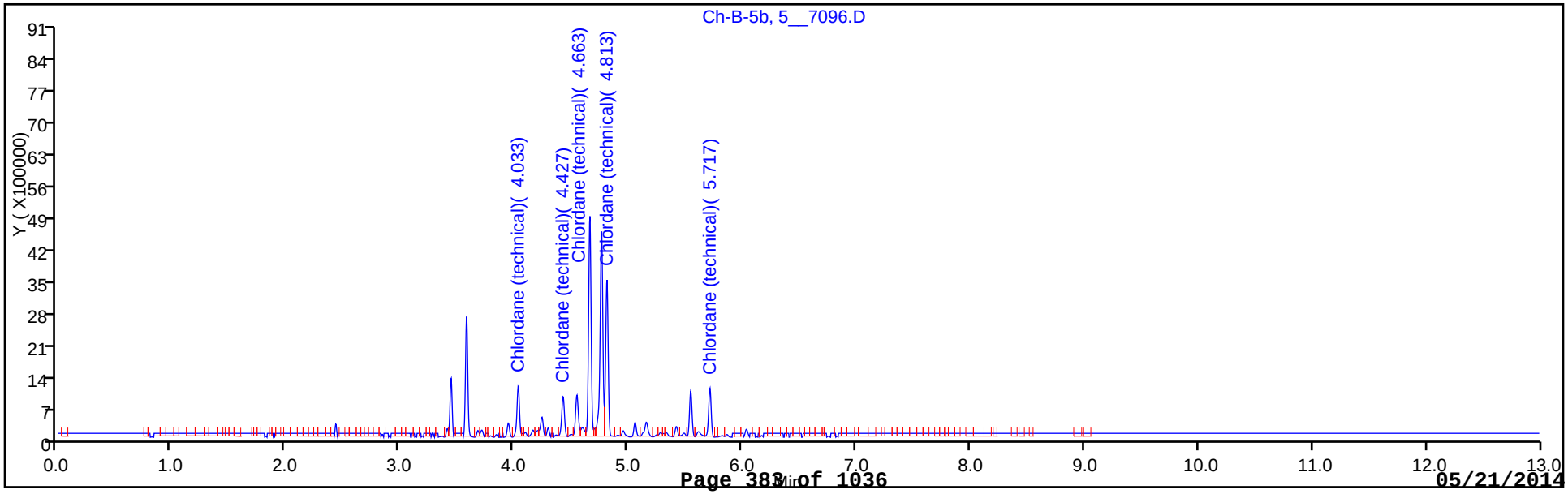
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7096.D

Injection Date:	27-Mar-2014 18:54:20	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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\HP6890-05\20140326-30487.b\5__7097.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 27-Mar-2014 19:12:01 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub6

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:35 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 28-Mar-2014 10:34:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
11 Chlordane (technical)						
1	3.370	3.370	0.0	257982	0.0925	
1	3.727	3.727	0.0	165826	0.0936	
1	3.903	3.903	0.0	1179188	0.0962	
1	4.023	4.023	0.0	2015832	0.0963	
1	4.790	4.793	-0.003	265335	0.0953	
		Average of Peak Amounts =			0.0948	
2	4.033	4.033	0.0	373409	0.0991	
2	4.427	4.427	0.0	307221	0.0944	
2	4.663	4.663	0.0	1382390	0.0977	
2	4.813	4.813	0.0	1001838	0.0977	
2	5.717	5.717	0.0	313361	0.0959	
		Average of Peak Amounts =			0.0970	
				RPD =	2.28	

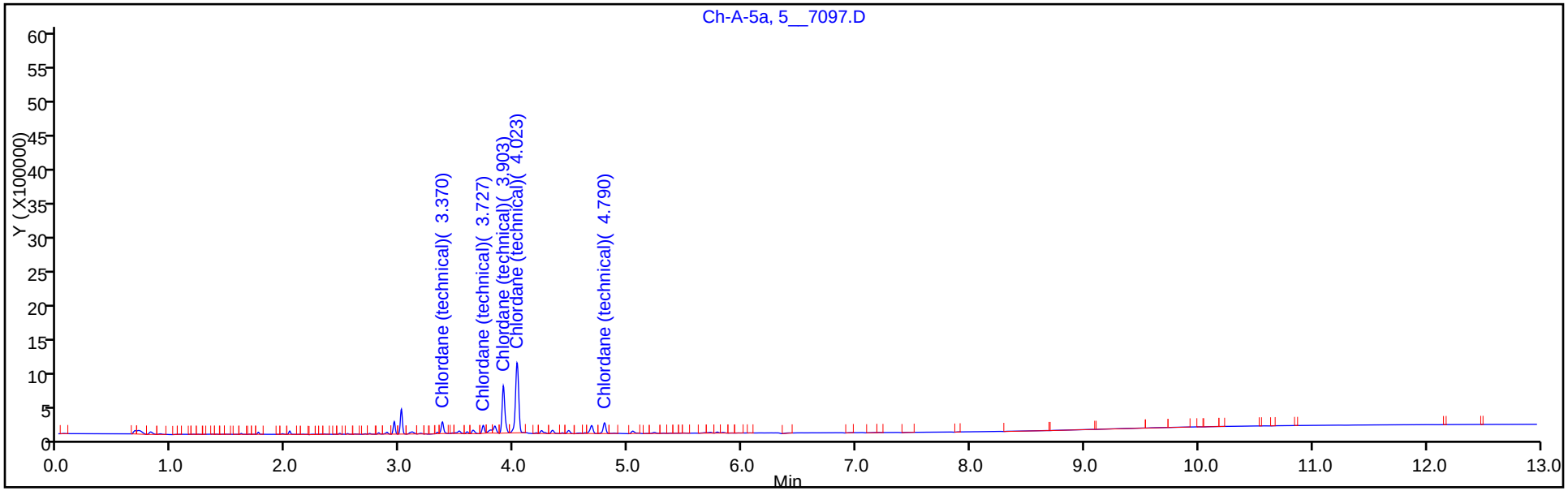
Report Date: 28-Mar-2014 10:55:35 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

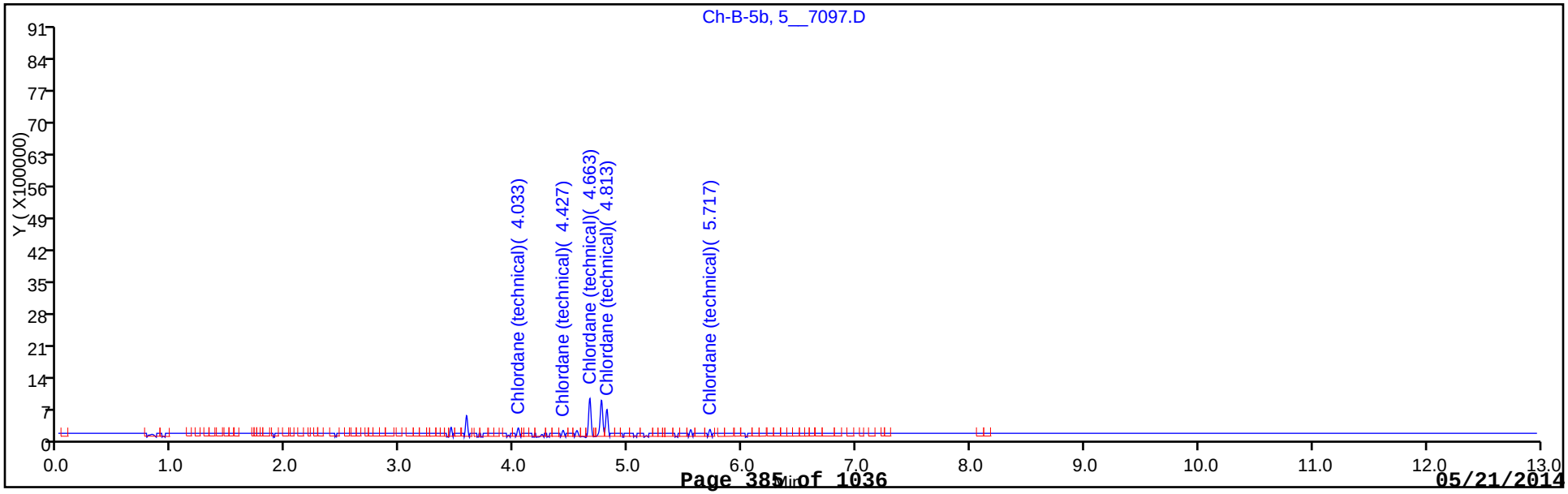
Data File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7097.D

Injection Date:	27-Mar-2014 19:12:01	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	30
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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\HP6890-05\20140326-30487.b\5__7098.D
Lims ID: std
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 27-Mar-2014 19:29:41 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, None
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub6

Method: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 28-Mar-2014 10:55:37 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK034

First Level Reviewer: WolfL Date: 28-Mar-2014 10:34:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
11 Chlordane (technical)						
1	3.370	3.370	0.0	148211	0.0543	
1	3.727	3.727	0.0	86268	0.0556	
1	3.903	3.903	0.0	576331	0.0527	
1	4.023	4.023	0.0	988141	0.0523	
1	4.790	4.793	-0.003	125664	0.0545	
		Average of Peak Amounts =			0.0539	
2	4.033	4.033	0.0	189252	0.0487	
2	4.430	4.427	0.003	164769	0.0520	
2	4.663	4.663	0.0	670986	0.0506	
2	4.813	4.813	0.0	487683	0.0508	
2	5.717	5.717	0.0	147061	0.0516	
		Average of Peak Amounts =			0.0507	
				RPD =	6.07	

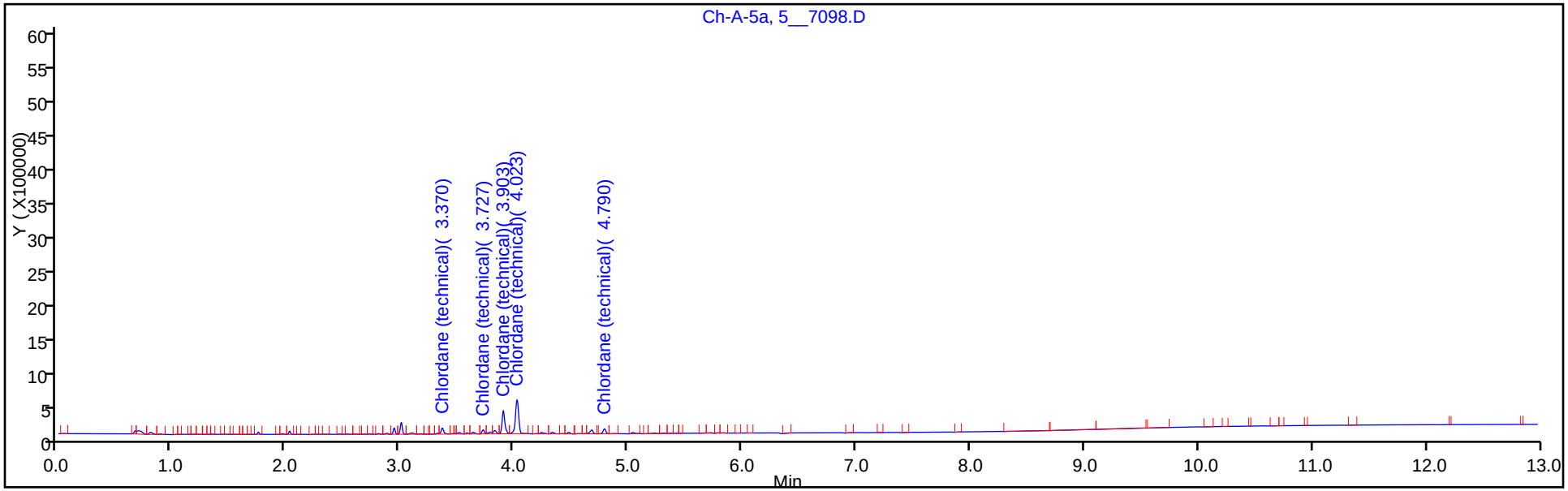
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TestAmerica Buffalo

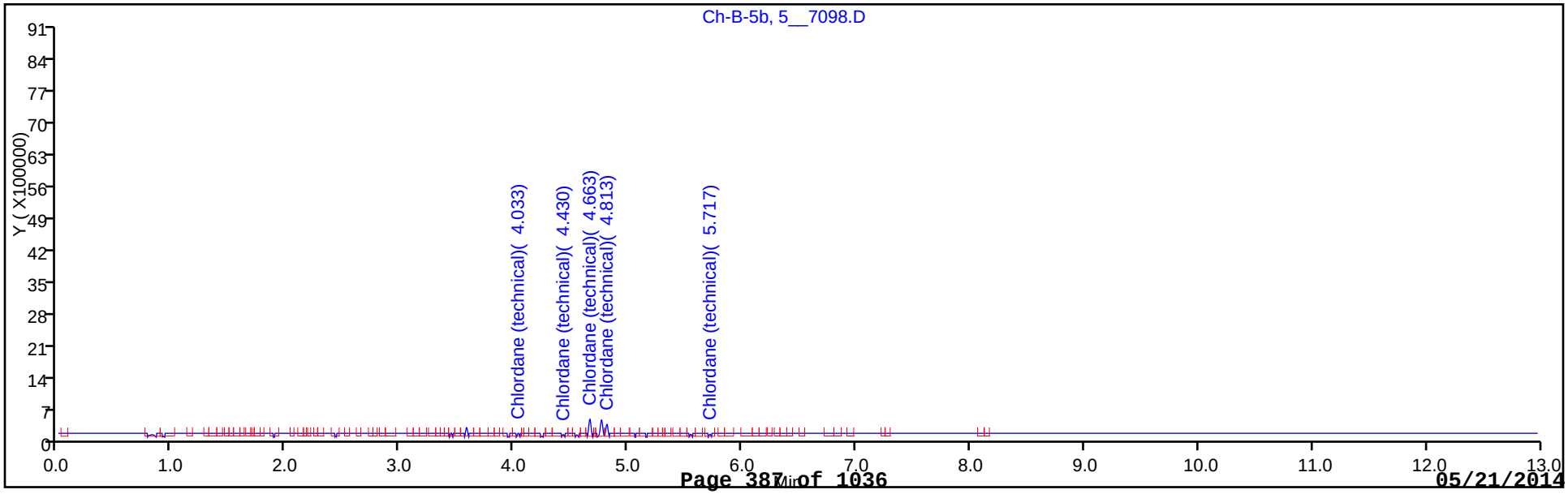
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Injection Date:	27-Mar-2014 19:29:41	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	std			Worklist Smp#:	31
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

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.: 480-59386-1

SDG No.:

Lab Sample ID: PEM 480-181144/3 Calibration Date: 05/09/2014 09:36

Instrument ID: HP6890-5 Calib Start Date: 03/26/2014 13:21

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 03/26/2014 14:32

Lab File ID: 5_10109.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	4.69	4026727	0.00	20	
Endrin aldehyde		0			
Endrin ketone		0			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	5.08	9160296	0.68	20	
4,4'-DDD	4.79	28047			
4,4'-DDE	4.18	34468			

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10109.D
Lims ID: pem
Client ID:
Sample Type: PEM
Inject. Date: 09-May-2014 09:36:41 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-25*sub9

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:01 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

First Level Reviewer: WolfL Date: 09-May-2014 10:24:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene							
1	2.100	2.107	-0.007	1397499	0.0200	0.0189	
2	2.440	2.447	-0.007	1971949	0.0200	0.0216	
						RPD = 13.21	
$ 2 DCB Decachlorobiphenyl							
1	7.113	7.123	-0.010	1490316	0.0200	0.0183	
2	8.113	8.120	-0.007	1433758	0.0200	0.0204	
						RPD = 10.87	
4 alpha-BHC							
1	2.467	2.473	-0.006	1051001	0.0100	0.009447	
2	2.913	2.920	-0.007	1527044	0.0100	0.0107	
						RPD = 12.77	
6 gamma-BHC (Lindane)							
1	2.690	2.697	-0.007	973071	0.0100	0.009614	
2	3.217	3.223	-0.006	1404543	0.0100	0.0108	
						RPD = 11.83	
7 beta-BHC							
1	2.753	2.760	-0.007	420887	0.0100	0.0102	
2	3.283	3.290	-0.007	605228	0.0100	0.0114	
						RPD = 11.19	
16 4,4'-DDE							
1	4.183	4.190	-0.007	34468		0.001727	
2	5.047	5.053	-0.006	30080		0.001430	
						RPD = 18.82	
20 Endrin							
1	4.690	4.697	-0.007	4026727	0.0500	0.0563	
2	5.503	5.510	-0.007	5140684	0.0500	0.0585	
						RPD = 3.88	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
22 4,4'-DDD							
1	4.793	4.797	-0.004	28047		0.001591	
2	5.637	5.640	-0.003	14175		0.001027	
						RPD = 43.05	
26 4,4'-DDT							
1	5.077	5.083	-0.006	9160296	0.1000	0.1158	
2	5.950	5.960	-0.010	9368643	0.1000	0.1013	
						RPD = 13.28	
29 Methoxychlor							
1	5.597	5.607	-0.010	10527486	0.2500	0.2506	E
2	6.640	6.647	-0.007	11241743	0.2500	0.2750	E
						RPD = 9.30	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

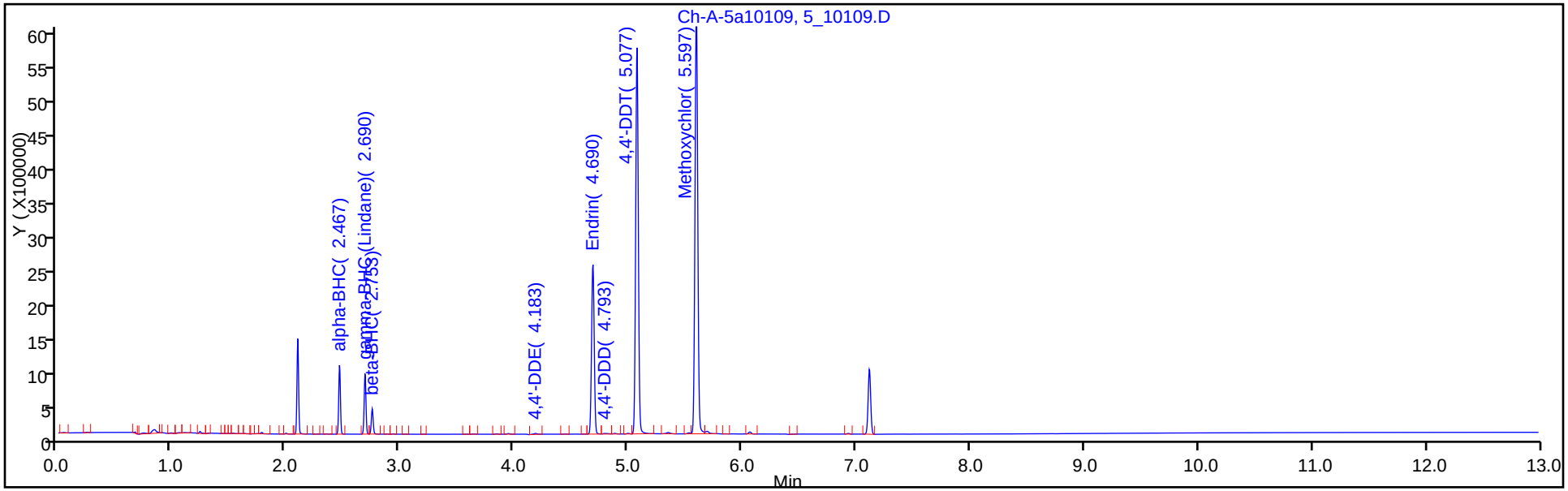
Report Date: 12-May-2014 12:38:03 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

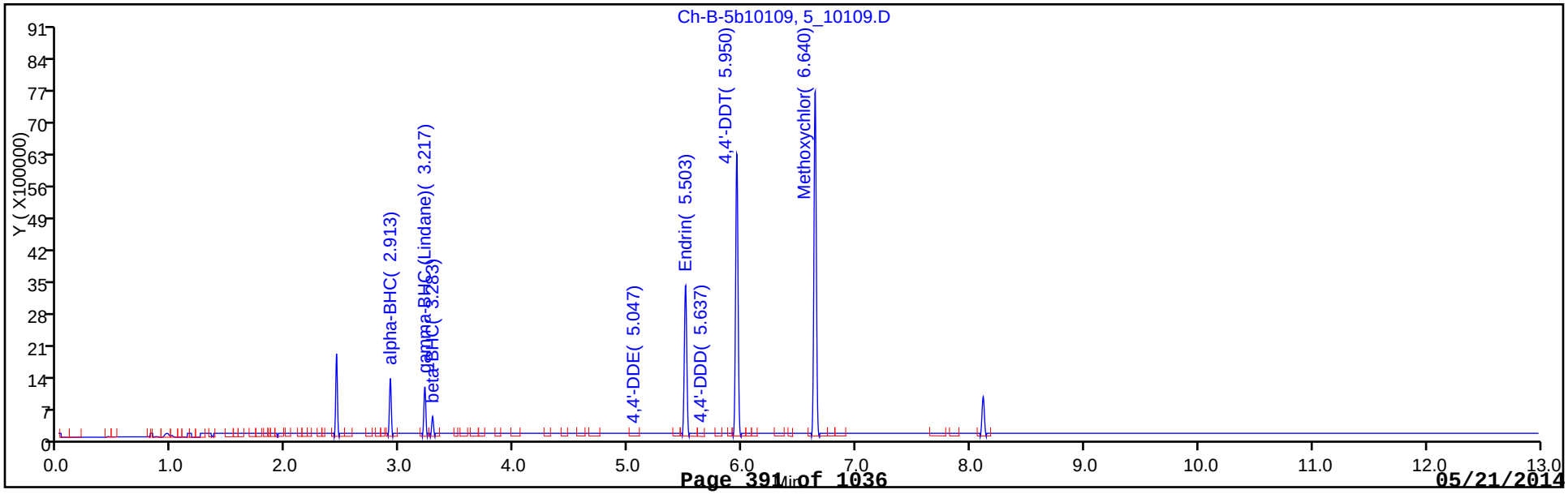
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Injection Date:	09-May-2014 09:36:41	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	pem			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

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.: 480-59386-1

SDG No.:

Lab Sample ID: PEM 480-181144/3 Calibration Date: 05/09/2014 09:36

Instrument ID: HP6890-5 Calib Start Date: 03/26/2014 13:21

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 03/26/2014 14:32

Lab File ID: 5_10109.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	5.50	5140684	0.00	20	
Endrin aldehyde		0			
Endrin ketone		0			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	5.95	9368643	0.47	20	
4,4'-DDD	5.64	14175			
4,4'-DDE	5.05	30080			

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10109.D
Lims ID: pem
Client ID:
Sample Type: PEM
Inject. Date: 09-May-2014 09:36:41 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-25*sub9

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:01 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

First Level Reviewer: WolfL Date: 09-May-2014 10:24:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene							
1	2.100	2.107	-0.007	1397499	0.0200	0.0189	
2	2.440	2.447	-0.007	1971949	0.0200	0.0216	
						RPD = 13.21	
$ 2 DCB Decachlorobiphenyl							
1	7.113	7.123	-0.010	1490316	0.0200	0.0183	
2	8.113	8.120	-0.007	1433758	0.0200	0.0204	
						RPD = 10.87	
4 alpha-BHC							
1	2.467	2.473	-0.006	1051001	0.0100	0.009447	
2	2.913	2.920	-0.007	1527044	0.0100	0.0107	
						RPD = 12.77	
6 gamma-BHC (Lindane)							
1	2.690	2.697	-0.007	973071	0.0100	0.009614	
2	3.217	3.223	-0.006	1404543	0.0100	0.0108	
						RPD = 11.83	
7 beta-BHC							
1	2.753	2.760	-0.007	420887	0.0100	0.0102	
2	3.283	3.290	-0.007	605228	0.0100	0.0114	
						RPD = 11.19	
16 4,4'-DDE							
1	4.183	4.190	-0.007	34468		0.001727	
2	5.047	5.053	-0.006	30080		0.001430	
						RPD = 18.82	
20 Endrin							
1	4.690	4.697	-0.007	4026727	0.0500	0.0563	
2	5.503	5.510	-0.007	5140684	0.0500	0.0585	
						RPD = 3.88	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
22 4,4'-DDD							
1	4.793	4.797	-0.004	28047		0.001591	
2	5.637	5.640	-0.003	14175		0.001027	
						RPD = 43.05	
26 4,4'-DDT							
1	5.077	5.083	-0.006	9160296	0.1000	0.1158	
2	5.950	5.960	-0.010	9368643	0.1000	0.1013	
						RPD = 13.28	
29 Methoxychlor							
1	5.597	5.607	-0.010	10527486	0.2500	0.2506	E
2	6.640	6.647	-0.007	11241743	0.2500	0.2750	E
						RPD = 9.30	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

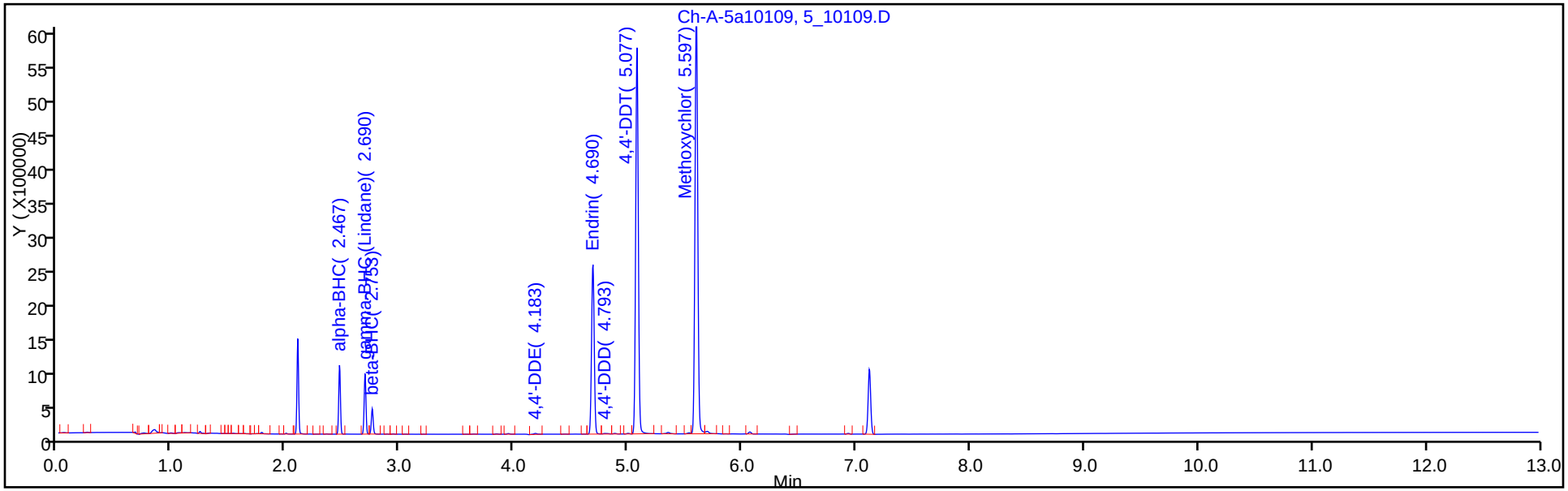
Report Date: 12-May-2014 12:38:03 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

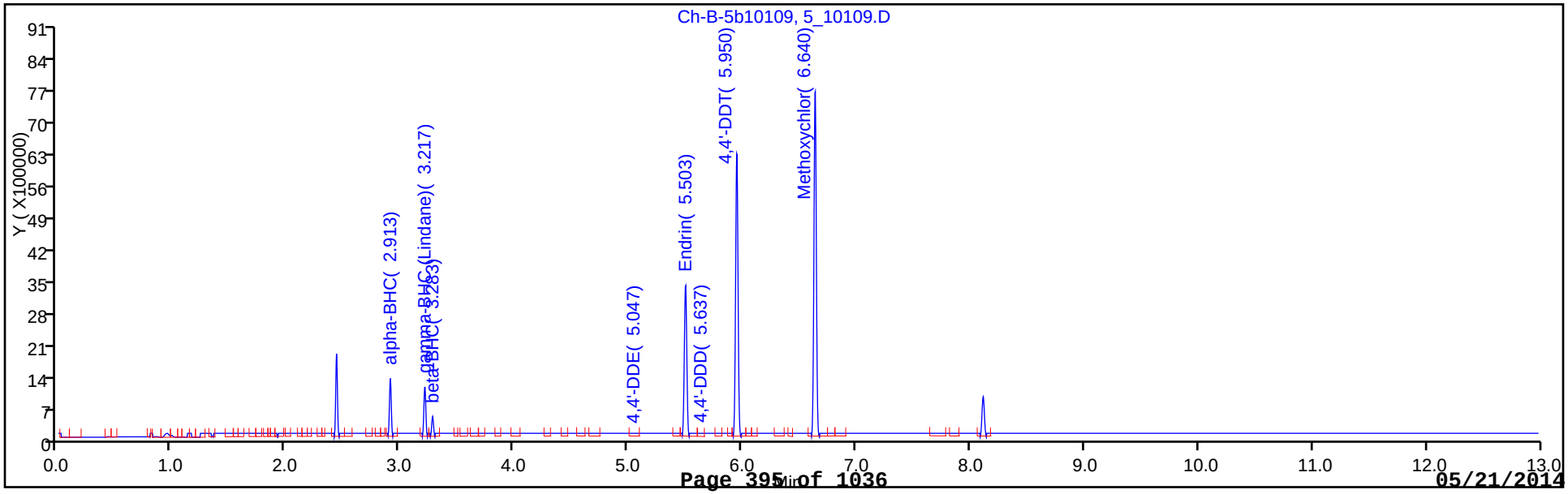
Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10109.D

Injection Date:	09-May-2014 09:36:41	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	pem			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/4 Calibration Date: 05/09/2014 09:54

Instrument ID: HP6890-5 Calib Start Date: 03/26/2014 13:21

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 03/26/2014 14:32

Lab File ID: 5_10110.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		114780580		0.0442	0.0500	-11.6	15.0
gamma-BHC (Lindane)	Lin1		102900980		0.0444	0.0500	-11.2	15.0
beta-BHC	Lin1		39656440		0.0453	0.0500	-9.4	15.0
delta-BHC	Lin1		104406060		0.0445	0.0500	-11.1	15.0
Heptachlor	Lin1		87439860		0.0461	0.0500	-7.9	15.0
Aldrin	Lin1		91346880		0.0513	0.0500	2.6	15.0
Heptachlor epoxide	Lin1		86223300		0.0495	0.0500	-0.9	15.0
gamma-Chlordane	Lin1		96395120		0.0465	0.0500	-7.1	15.0
alpha-Chlordane	Lin1		91773640		0.0457	0.0500	-8.6	15.0
4,4'-DDE	Lin1		86196200		0.0443	0.0500	-11.3	15.0
Endosulfan I	Lin1		77977540		0.0460	0.0500	-8.0	15.0
Dieldrin	Lin1		81507000		0.0457	0.0500	-8.6	15.0
Endrin	Lin1		77911820		0.0545	0.0500	9.0	15.0
4,4'-DDD	Lin1		70922140		0.0505	0.0500	0.9	15.0
Endosulfan II	Lin1		75595780		0.0537	0.0500	7.3	15.0
4,4'-DDT	Lin1		85955760		0.0550	0.0500	10.1	15.0
Endrin aldehyde	Lin1		60391340		0.0444	0.0500	-11.2	15.0
Methoxychlor	Lin1		43662280		0.0515	0.0500	3.0	15.0
Endosulfan sulfate	Lin1		76784660		0.0435	0.0500	-12.9	15.0
Endrin ketone	Lin1		93256260		0.0451	0.0500	-9.8	15.0
Tetrachloro-m-xylene	Lin1		69335520		0.0455	0.0500	-9.0	15.0
DCB Decachlorobiphenyl	Lin1		61084820		0.0365	0.0500	-26.9*	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/4 Calibration Date: 05/09/2014 09:54

Instrument ID: HP6890-5 Calib Start Date: 03/26/2014 13:21

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 03/26/2014 14:32

Lab File ID: 5_10110.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.47	2.44	2.50
gamma-BHC (Lindane)	2.69	2.66	2.72
beta-BHC	2.76	2.73	2.79
delta-BHC	2.89	2.86	2.92
Heptachlor	3.05	3.02	3.08
Aldrin	3.30	3.27	3.33
Heptachlor epoxide	3.84	3.81	3.87
gamma-Chlordane	3.96	3.93	3.99
alpha-Chlordane	4.09	4.06	4.12
4,4'-DDE	4.19	4.16	4.22
Endosulfan I	4.22	4.19	4.25
Dieldrin	4.46	4.43	4.49
Endrin	4.69	4.66	4.72
4,4'-DDD	4.79	4.76	4.82
Endosulfan II	4.92	4.89	4.95
4,4'-DDT	5.08	5.05	5.11
Endrin aldehyde	5.35	5.32	5.38
Methoxychlor	5.60	5.57	5.63
Endosulfan sulfate	5.79	5.76	5.82
Endrin ketone	6.07	6.04	6.10
Tetrachloro-m-xylene	2.10	2.07	2.13
DCB Decachlorobiphenyl	7.12	7.09	7.15

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10110.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-May-2014 09:54:13 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub5

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:04 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

First Level Reviewer: WolfL Date: 09-May-2014 10:16:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene							
1	2.103	2.103	0.000	3466776	0.0500	0.0455	a
2	2.443	2.443	0.000	4865507	0.0500	0.0525	a
						RPD = 14.32	
$ 2 DCB Decachlorobiphenyl							
1	7.117	7.117	0.000	3054241	0.0500	0.0365	a
2	8.113	8.113	0.000	3451753	0.0500	0.0491	a
						RPD = 29.32	
4 alpha-BHC							
1	2.470	2.470	0.000	5739029	0.0500	0.0442	a
2	2.913	2.913	0.000	7978247	0.0500	0.0516	a
						RPD = 15.46	
6 gamma-BHC (Lindane)							
1	2.693	2.693	0.000	5145049	0.0500	0.0444	
2	3.217	3.217	0.000	7128525	0.0500	0.0513	a
						RPD = 14.38	
7 beta-BHC							
1	2.757	2.757	0.000	1982822	0.0500	0.0453	a
2	3.283	3.283	0.000	2767552	0.0500	0.0512	a
						RPD = 12.31	
8 delta-BHC							
1	2.890	2.890	0.000	5220303	0.0500	0.0445	a
2	3.553	3.553	0.000	7130096	0.0500	0.0505	a
						RPD = 12.71	
9 Heptachlor							
1	3.053	3.053	0.000	4371993	0.0500	0.0461	a
2	3.633	3.633	0.000	6839707	0.0500	0.0519	a
						RPD = 11.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
10 Aldrin							
1	3.300	3.300	0.000	4567344	0.0500	0.0513	a
2	3.947	3.947	0.000	6578909	0.0500	0.0508	a
						RPD = 0.94	
13 Heptachlor epoxide							
1	3.840	3.840	0.000	4311165	0.0500	0.0495	a
2	4.520	4.520	0.000	5690198	0.0500	0.0521	a
						RPD = 4.98	
14 gamma-Chlordane							
1	3.960	3.960	0.000	4819756	0.0500	0.0465	a
2	4.717	4.717	0.000	5942256	0.0500	0.0498	a
						RPD = 6.96	
15 alpha-Chlordane							
1	4.090	4.090	0.000	4588682	0.0500	0.0457	a
2	4.867	4.867	0.000	5473838	0.0500	0.0491	a
						RPD = 7.29	
16 4,4'-DDE							
1	4.187	4.187	0.000	4309810	0.0500	0.0443	a
2	5.047	5.047	0.000	5327728	0.0500	0.0500	a
						RPD = 12.00	
18 Endosulfan I							
1	4.220	4.220	0.000	3898877	0.0500	0.0460	a
2	4.920	4.920	0.000	5029441	0.0500	0.0516	a
						RPD = 11.36	
19 Dieldrin							
1	4.460	4.460	0.000	4075350	0.0500	0.0457	a
2	5.200	5.200	0.000	5605770	0.0500	0.0505	a
						RPD = 9.85	
20 Endrin							
1	4.693	4.693	0.000	3895591	0.0500	0.0545	a
2	5.503	5.503	0.000	4993967	0.0500	0.0569	a
						RPD = 4.31	
22 4,4'-DDD							
1	4.793	4.793	0.000	3546107	0.0500	0.0505	a
2	5.633	5.633	0.000	4247795	0.0500	0.0482	a
						RPD = 4.54	
23 Endosulfan II							
1	4.920	4.920	0.000	3779789	0.0500	0.0537	a
2	5.717	5.717	0.000	4505155	0.0500	0.0501	a
						RPD = 6.79	
26 4,4'-DDT							
1	5.080	5.080	0.000	4297788	0.0500	0.0550	a
2	5.953	5.953	0.000	4239889	0.0500	0.0466	a
						RPD = 16.70	
28 Endrin aldehyde							
1	5.350	5.350	0.000	3019567	0.0500	0.0444	a
2	6.053	6.053	0.000	3394291	0.0500	0.0493	a
						RPD = 10.44	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
29 Methoxychlor							
1	5.600	5.600	0.000	2183114	0.0500	0.0515	a
2	6.640	6.640	0.000	1909424	0.0500	0.0473	a
						RPD = 8.46	
30 Endosulfan sulfate							
1	5.790	5.790	0.000	3839233	0.0500	0.0435	a
2	6.337	6.337	0.000	3512183	0.0500	0.0441	a
						RPD = 1.37	
31 Endrin ketone							
1	6.067	6.067	0.000	4662813	0.0500	0.0451	a
2	6.860	6.860	0.000	4230652	0.0500	0.0466	a
						RPD = 3.24	
S 35 BHC, Total							
1						0.1783	
2						0.2046	
						RPD = 13.72	

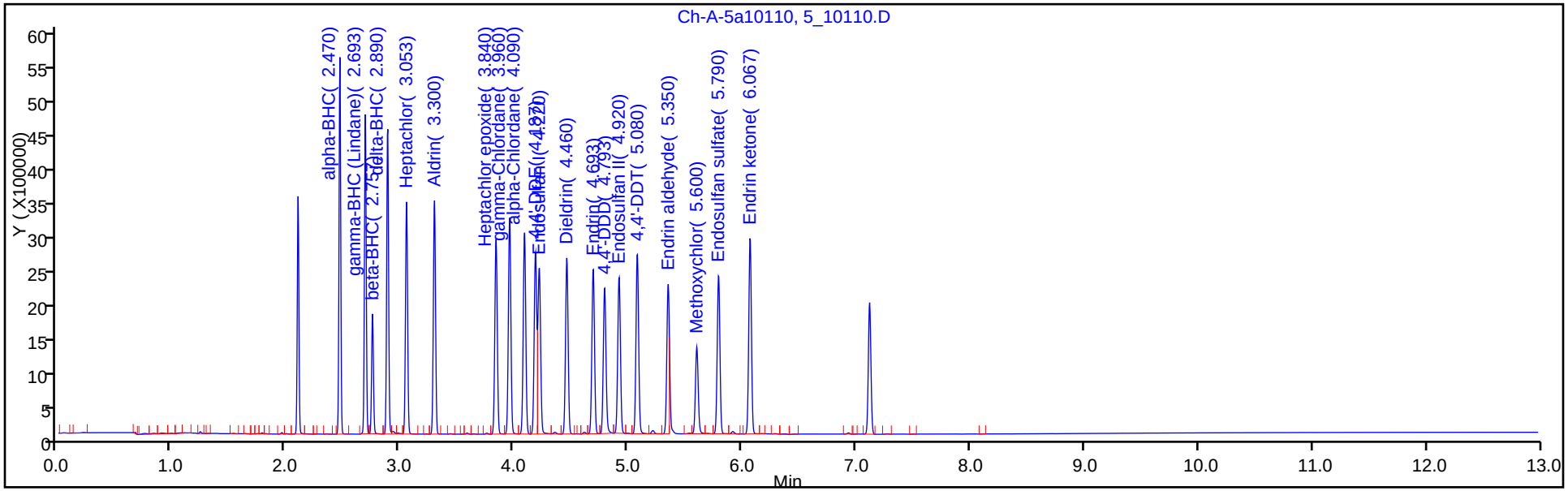
Report Date: 12-May-2014 12:38:05 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

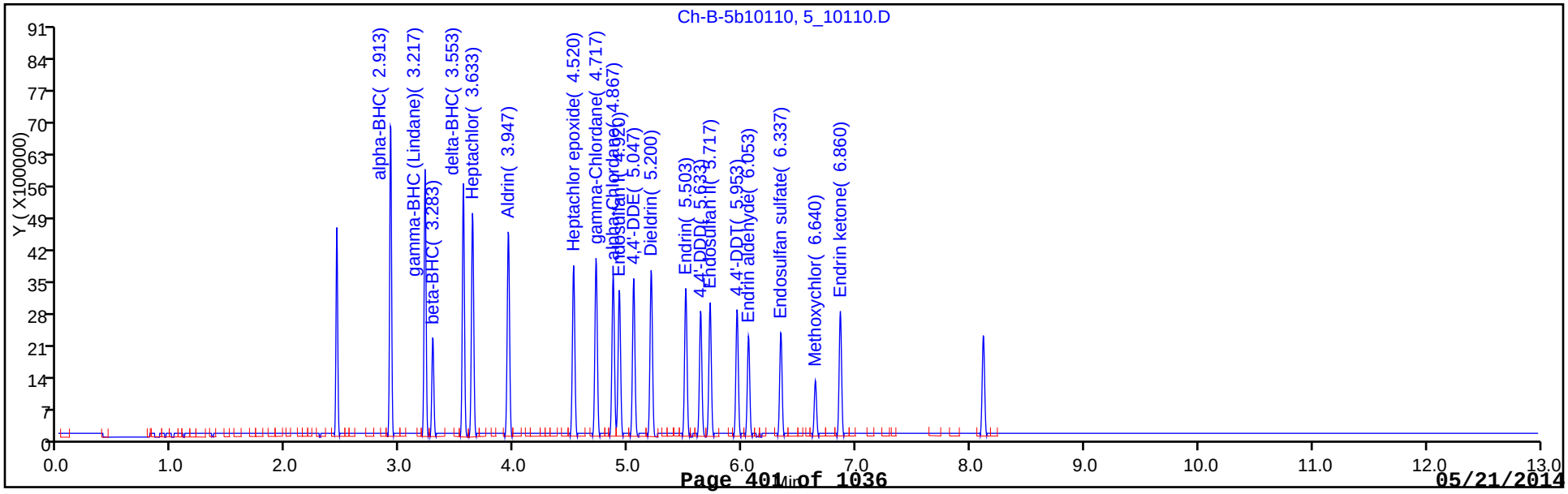
Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10110.D

Injection Date:	09-May-2014 09:54:13	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	ccv			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/4 Calibration Date: 05/09/2014 09:54

Instrument ID: HP6890-5 Calib Start Date: 03/26/2014 13:21

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 03/26/2014 14:32

Lab File ID: 5_10110.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		159564940		0.0516	0.0500	3.2	15.0
gamma-BHC (Lindane)	Lin1		142570500		0.0513	0.0500	2.6	15.0
beta-BHC	Lin1		55351040		0.0512	0.0500	2.4	15.0
delta-BHC	Lin1		142601920		0.0505	0.0500	1.0	15.0
Heptachlor	Lin1		136794140		0.0519	0.0500	3.8	15.0
Aldrin	Lin1		131578180		0.0508	0.0500	1.7	15.0
Heptachlor epoxide	Lin1		113803960		0.0521	0.0500	4.1	15.0
gamma-Chlordane	Lin1		118845120		0.0498	0.0500	-0.4	15.0
alpha-Chlordane	Lin1		109476760		0.0491	0.0500	-1.7	15.0
Endosulfan I	Lin1		100588820		0.0516	0.0500	3.1	15.0
4,4'-DDE	Lin1		106554560		0.0500	0.0500	-0.0	15.0
Dieldrin	Lin1		112115400		0.0505	0.0500	0.9	15.0
Endrin	Lin1		99879340		0.0569	0.0500	13.8	15.0
4,4'-DDD	Lin1		84955900		0.0482	0.0500	-3.6	15.0
Endosulfan II	Lin1		90103100		0.0501	0.0500	0.3	15.0
4,4'-DDT	Lin1		84797780		0.0466	0.0500	-6.9	15.0
Endrin aldehyde	Lin1		67885820		0.0493	0.0500	-1.5	15.0
Endosulfan sulfate	Lin1		70243660		0.0441	0.0500	-11.7	15.0
Methoxychlor	Lin1		38188480		0.0473	0.0500	-5.4	15.0
Endrin ketone	Lin1		84613040		0.0466	0.0500	-6.8	15.0
Tetrachloro-m-xylene	Lin1		97310140		0.0525	0.0500	5.0	15.0
DCB Decachlorobiphenyl	Lin1		69035060		0.0491	0.0500	-1.8	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/4 Calibration Date: 05/09/2014 09:54

Instrument ID: HP6890-5 Calib Start Date: 03/26/2014 13:21

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 03/26/2014 14:32

Lab File ID: 5_10110.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.91	2.88	2.94
gamma-BHC (Lindane)	3.22	3.19	3.25
beta-BHC	3.28	3.25	3.31
delta-BHC	3.55	3.52	3.58
Heptachlor	3.63	3.60	3.66
Aldrin	3.95	3.92	3.98
Heptachlor epoxide	4.52	4.49	4.55
gamma-Chlordane	4.72	4.69	4.75
alpha-Chlordane	4.87	4.84	4.90
Endosulfan I	4.92	4.89	4.95
4,4'-DDE	5.05	5.02	5.08
Dieldrin	5.20	5.17	5.23
Endrin	5.50	5.47	5.53
4,4'-DDD	5.63	5.60	5.66
Endosulfan II	5.72	5.69	5.75
4,4'-DDT	5.95	5.92	5.98
Endrin aldehyde	6.05	6.02	6.08
Endosulfan sulfate	6.34	6.31	6.37
Methoxychlor	6.64	6.61	6.67
Endrin ketone	6.86	6.83	6.89
Tetrachloro-m-xylene	2.44	2.41	2.47
DCB Decachlorobiphenyl	8.11	8.08	8.14

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10110.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-May-2014 09:54:13 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub5

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:04 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

First Level Reviewer: WolfL Date: 09-May-2014 10:16:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene							
1	2.103	2.103	0.000	3466776	0.0500	0.0455	a
2	2.443	2.443	0.000	4865507	0.0500	0.0525	a
						RPD = 14.32	
$ 2 DCB Decachlorobiphenyl							
1	7.117	7.117	0.000	3054241	0.0500	0.0365	a
2	8.113	8.113	0.000	3451753	0.0500	0.0491	a
						RPD = 29.32	
4 alpha-BHC							
1	2.470	2.470	0.000	5739029	0.0500	0.0442	a
2	2.913	2.913	0.000	7978247	0.0500	0.0516	a
						RPD = 15.46	
6 gamma-BHC (Lindane)							
1	2.693	2.693	0.000	5145049	0.0500	0.0444	
2	3.217	3.217	0.000	7128525	0.0500	0.0513	a
						RPD = 14.38	
7 beta-BHC							
1	2.757	2.757	0.000	1982822	0.0500	0.0453	a
2	3.283	3.283	0.000	2767552	0.0500	0.0512	a
						RPD = 12.31	
8 delta-BHC							
1	2.890	2.890	0.000	5220303	0.0500	0.0445	a
2	3.553	3.553	0.000	7130096	0.0500	0.0505	a
						RPD = 12.71	
9 Heptachlor							
1	3.053	3.053	0.000	4371993	0.0500	0.0461	a
2	3.633	3.633	0.000	6839707	0.0500	0.0519	a
						RPD = 11.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
10 Aldrin							
1	3.300	3.300	0.000	4567344	0.0500	0.0513	a
2	3.947	3.947	0.000	6578909	0.0500	0.0508	a
						RPD = 0.94	
13 Heptachlor epoxide							
1	3.840	3.840	0.000	4311165	0.0500	0.0495	a
2	4.520	4.520	0.000	5690198	0.0500	0.0521	a
						RPD = 4.98	
14 gamma-Chlordane							
1	3.960	3.960	0.000	4819756	0.0500	0.0465	a
2	4.717	4.717	0.000	5942256	0.0500	0.0498	a
						RPD = 6.96	
15 alpha-Chlordane							
1	4.090	4.090	0.000	4588682	0.0500	0.0457	a
2	4.867	4.867	0.000	5473838	0.0500	0.0491	a
						RPD = 7.29	
16 4,4'-DDE							
1	4.187	4.187	0.000	4309810	0.0500	0.0443	a
2	5.047	5.047	0.000	5327728	0.0500	0.0500	a
						RPD = 12.00	
18 Endosulfan I							
1	4.220	4.220	0.000	3898877	0.0500	0.0460	a
2	4.920	4.920	0.000	5029441	0.0500	0.0516	a
						RPD = 11.36	
19 Dieldrin							
1	4.460	4.460	0.000	4075350	0.0500	0.0457	a
2	5.200	5.200	0.000	5605770	0.0500	0.0505	a
						RPD = 9.85	
20 Endrin							
1	4.693	4.693	0.000	3895591	0.0500	0.0545	a
2	5.503	5.503	0.000	4993967	0.0500	0.0569	a
						RPD = 4.31	
22 4,4'-DDD							
1	4.793	4.793	0.000	3546107	0.0500	0.0505	a
2	5.633	5.633	0.000	4247795	0.0500	0.0482	a
						RPD = 4.54	
23 Endosulfan II							
1	4.920	4.920	0.000	3779789	0.0500	0.0537	a
2	5.717	5.717	0.000	4505155	0.0500	0.0501	a
						RPD = 6.79	
26 4,4'-DDT							
1	5.080	5.080	0.000	4297788	0.0500	0.0550	a
2	5.953	5.953	0.000	4239889	0.0500	0.0466	a
						RPD = 16.70	
28 Endrin aldehyde							
1	5.350	5.350	0.000	3019567	0.0500	0.0444	a
2	6.053	6.053	0.000	3394291	0.0500	0.0493	a
						RPD = 10.44	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
29 Methoxychlor							
1	5.600	5.600	0.000	2183114	0.0500	0.0515	a
2	6.640	6.640	0.000	1909424	0.0500	0.0473	a
						RPD = 8.46	
30 Endosulfan sulfate							
1	5.790	5.790	0.000	3839233	0.0500	0.0435	a
2	6.337	6.337	0.000	3512183	0.0500	0.0441	a
						RPD = 1.37	
31 Endrin ketone							
1	6.067	6.067	0.000	4662813	0.0500	0.0451	a
2	6.860	6.860	0.000	4230652	0.0500	0.0466	a
						RPD = 3.24	
S 35 BHC, Total							
1						0.1783	
2						0.2046	
						RPD = 13.72	

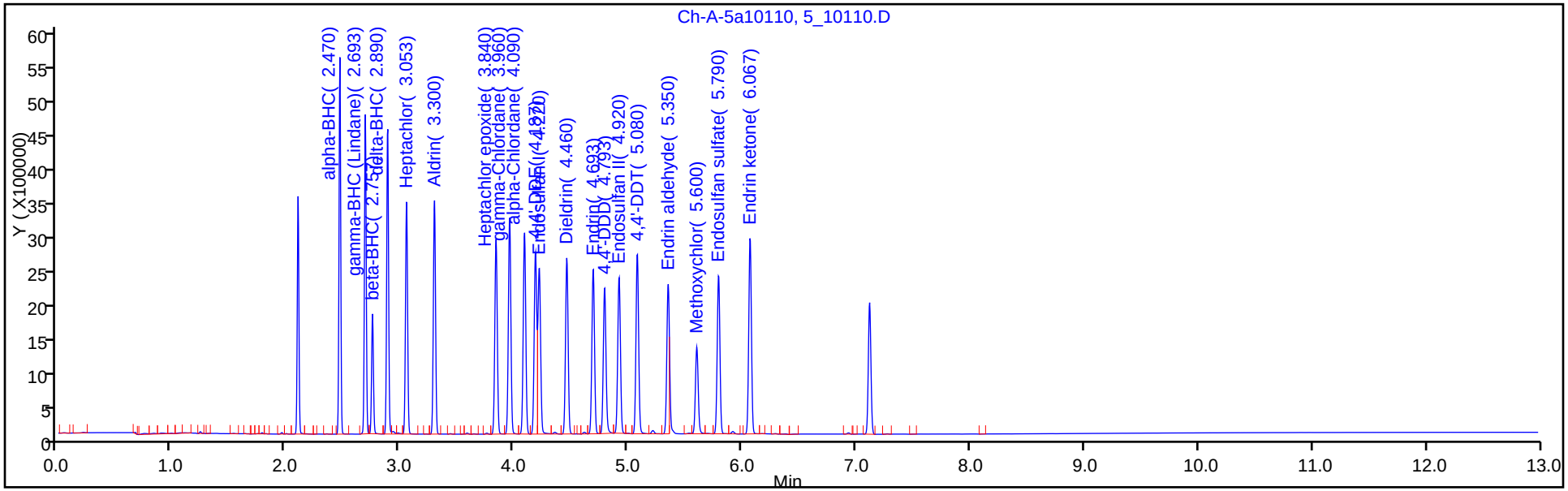
Report Date: 12-May-2014 12:38:05 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

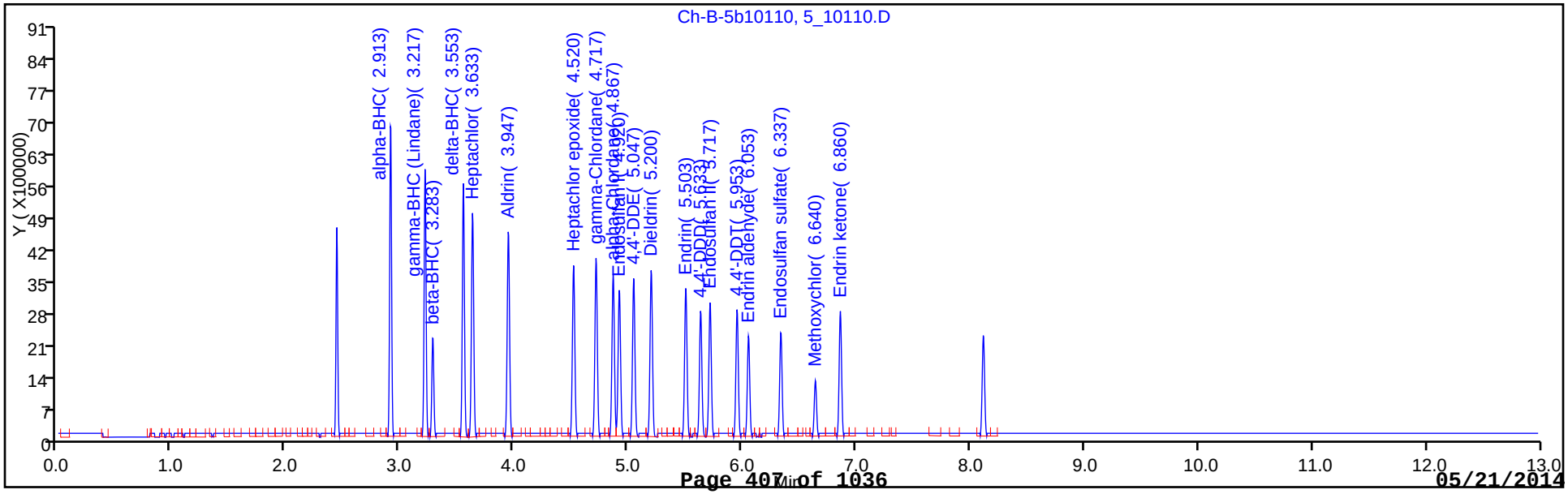
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Injection Date:	09-May-2014 09:54:13	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	ccv			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

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.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/15 Calibration Date: 05/09/2014 13:17

Instrument ID: HP6890-5 Calib Start Date: 03/27/2014 18:19

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 03/27/2014 19:29

Lab File ID: 5_10121.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Lin1		3726006		0.651	0.500	30.1*	15.0
Chlordane (technical) Peak 2	Lin1		2108994		0.517	0.500	3.5	15.0
Chlordane (technical) Peak 3	Lin1		13290634		0.490	0.500	-2.0	15.0
Chlordane (technical) Peak 4	Lin1		20399184		0.447	0.500	-10.5	15.0
Chlordane (technical) Peak 5	Lin1		3875138		0.583	0.500	16.7*	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/15 Calibration Date: 05/09/2014 13:17

Instrument ID: HP6890-5 Calib Start Date: 03/27/2014 18:19

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 03/27/2014 19:29

Lab File ID: 5_10121.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (technical) Peak 1	3.42	3.39	3.45
Chlordane (technical) Peak 2	3.79	3.76	3.82
Chlordane (technical) Peak 3	3.96	3.93	3.99
Chlordane (technical) Peak 4	4.09	4.06	4.12
Chlordane (technical) Peak 5	4.86	4.83	4.89

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10121.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-May-2014 13:17:53 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#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub6

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:23 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

First Level Reviewer: WolfL Date: 12-May-2014 12:18:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
11 Chlordane (technical)							
1	3.423	3.423	0.000	1863003	0.5000	0.6507	
1	3.787	3.787	0.000	1054497	0.5000	0.5174	
1	3.963	3.963	0.000	6645317	0.5000	0.4901	
1	4.087	4.087	0.000	10199592	0.5000	0.4473	
1	4.857	4.857	0.000	1937569	0.5000	0.5834	
		Average of Peak Amounts =				0.5378	
2	4.097	4.097	0.000	2306640	0.5000	0.6283	
2	4.490	4.490	0.000	1574058	0.5000	0.4718	
2	4.723	4.723	0.000	7637818	0.5000	0.5123	
2	4.873	4.873	0.000	6075064	0.5000	0.5603	
2	5.777	5.777	0.000	2071840	0.5000	0.5647	
		Average of Peak Amounts =				0.5475	
						RPD = 1.78	

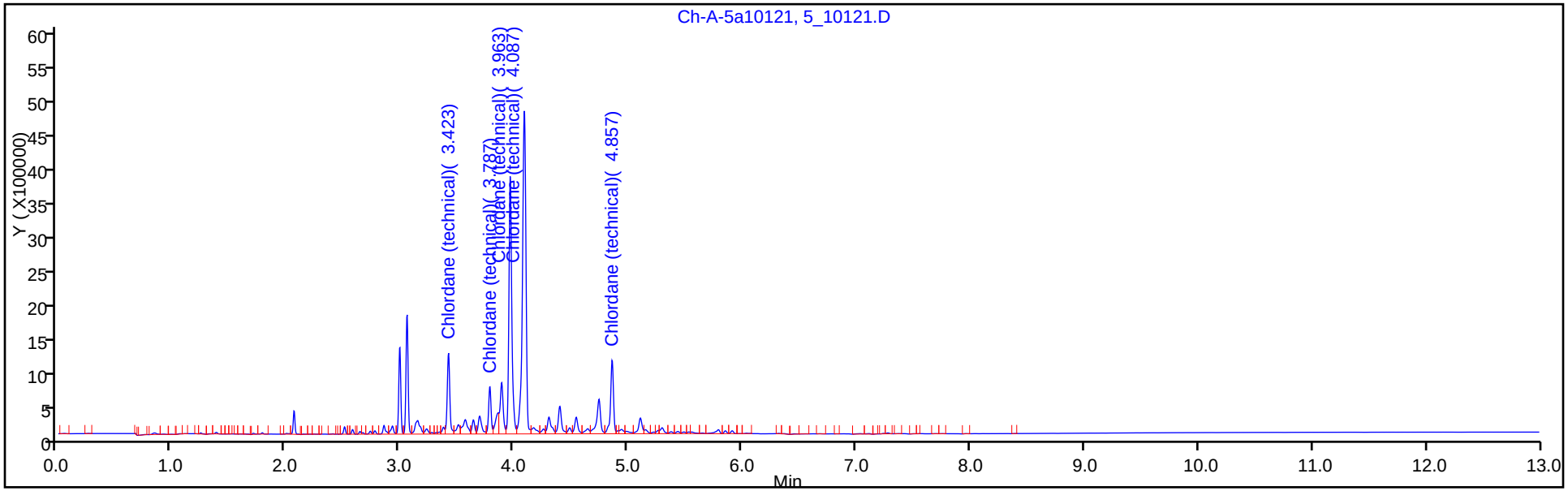
Report Date: 12-May-2014 12:38:25 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

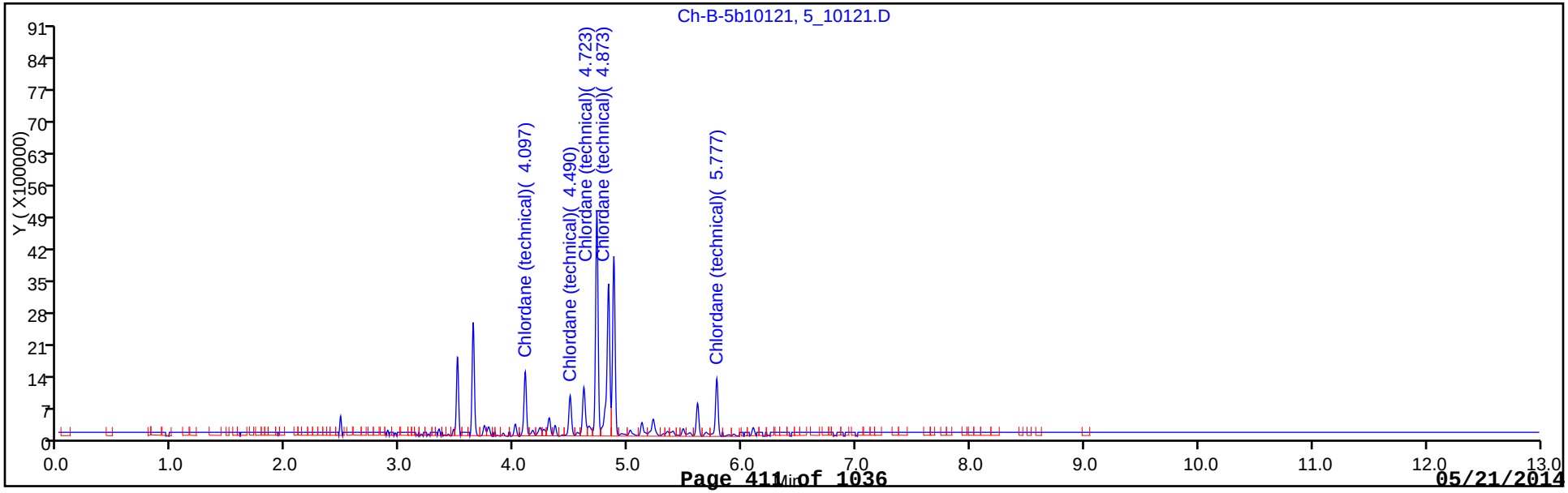
Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10121.D

Injection Date:	09-May-2014 13:17:53	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	ccv			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/15 Calibration Date: 05/09/2014 13:17

Instrument ID: HP6890-5 Calib Start Date: 03/27/2014 18:19

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 03/27/2014 19:29

Lab File ID: 5_10121.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Lin1		4613280		0.628	0.500	25.7*	15.0
Chlordane (technical) Peak 2	Lin1		3148116		0.472	0.500	-5.6	15.0
Chlordane (technical) Peak 3	Lin1		15275636		0.512	0.500	2.5	15.0
Chlordane (technical) Peak 4	Lin1		12150128		0.560	0.500	12.1	15.0
Chlordane (technical) Peak 5	Lin1		4143680		0.565	0.500	12.9	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/15 Calibration Date: 05/09/2014 13:17

Instrument ID: HP6890-5 Calib Start Date: 03/27/2014 18:19

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 03/27/2014 19:29

Lab File ID: 5_10121.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (technical) Peak 1	4.10	4.07	4.13
Chlordane (technical) Peak 2	4.49	4.46	4.52
Chlordane (technical) Peak 3	4.72	4.69	4.75
Chlordane (technical) Peak 4	4.87	4.84	4.90
Chlordane (technical) Peak 5	5.78	5.75	5.81

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10121.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-May-2014 13:17:53 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#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub6

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:23 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

First Level Reviewer: WolfL Date: 12-May-2014 12:18:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
11 Chlordane (technical)							
1	3.423	3.423	0.000	1863003	0.5000	0.6507	
1	3.787	3.787	0.000	1054497	0.5000	0.5174	
1	3.963	3.963	0.000	6645317	0.5000	0.4901	
1	4.087	4.087	0.000	10199592	0.5000	0.4473	
1	4.857	4.857	0.000	1937569	0.5000	0.5834	
		Average of Peak Amounts =				0.5378	
2	4.097	4.097	0.000	2306640	0.5000	0.6283	
2	4.490	4.490	0.000	1574058	0.5000	0.4718	
2	4.723	4.723	0.000	7637818	0.5000	0.5123	
2	4.873	4.873	0.000	6075064	0.5000	0.5603	
2	5.777	5.777	0.000	2071840	0.5000	0.5647	
		Average of Peak Amounts =				0.5475	
						RPD = 1.78	

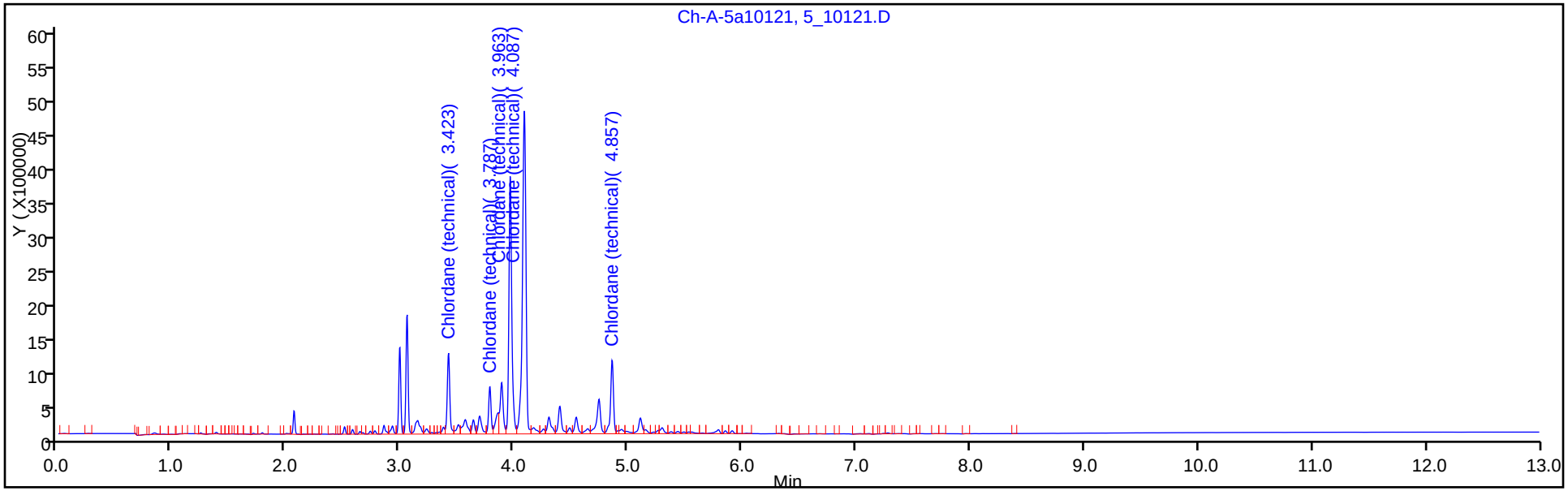
Report Date: 12-May-2014 12:38:26 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

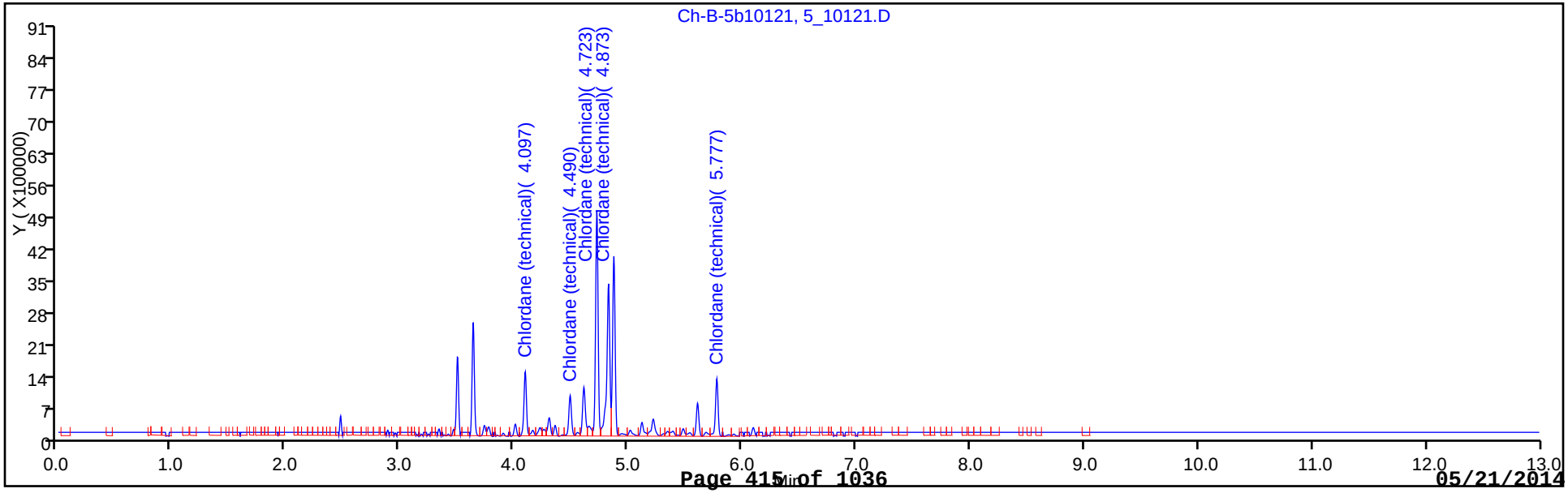
Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10121.D

Injection Date:	09-May-2014 13:17:53	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	ccv			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/16 Calibration Date: 05/09/2014 13:35

Instrument ID: HP6890-5 Calib Start Date: 03/26/2014 13:21

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 03/26/2014 14:32

Lab File ID: 5_10122.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		116115020		0.0447	0.0500	-10.6	15.0
gamma-BHC (Lindane)	Lin1		104031160		0.0449	0.0500	-10.2	15.0
beta-BHC	Lin1		40127480		0.0458	0.0500	-8.4	15.0
delta-BHC	Lin1		105613300		0.0449	0.0500	-10.1	15.0
Heptachlor	Lin1		88125220		0.0464	0.0500	-7.2	15.0
Aldrin	Lin1		91746580		0.0515	0.0500	3.1	15.0
Heptachlor epoxide	Lin1		86524680		0.0497	0.0500	-0.6	15.0
gamma-Chlordane	Lin1		97531440		0.0470	0.0500	-6.0	15.0
alpha-Chlordane	Lin1		91915760		0.0458	0.0500	-8.5	15.0
4,4'-DDE	Lin1		81488080		0.0420	0.0500	-16.0*	15.0
Endosulfan I	Lin1		82283440		0.0486	0.0500	-2.9	15.0
Dieldrin	Lin1		81523480		0.0457	0.0500	-8.5	15.0
Endrin	Lin1		77424400		0.0541	0.0500	8.3	15.0
4,4'-DDD	Lin1		71187900		0.0506	0.0500	1.3	15.0
Endosulfan II	Lin1		75344280		0.0535	0.0500	7.0	15.0
4,4'-DDT	Lin1		84959040		0.0544	0.0500	8.8	15.0
Endrin aldehyde	Lin1		75045220		0.0553	0.0500	10.6	15.0
Methoxychlor	Lin1		43519840		0.0513	0.0500	2.6	15.0
Endosulfan sulfate	Lin1		80054740		0.0454	0.0500	-9.2	15.0
Endrin ketone	Lin1		94351220		0.0456	0.0500	-8.7	15.0
Tetrachloro-m-xylene	Lin1		70260920		0.0461	0.0500	-7.8	15.0
DCB Decachlorobiphenyl	Lin1		74464040		0.0443	0.0500	-11.3	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/16 Calibration Date: 05/09/2014 13:35

Instrument ID: HP6890-5 Calib Start Date: 03/26/2014 13:21

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 03/26/2014 14:32

Lab File ID: 5_10122.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.47	2.44	2.50
gamma-BHC (Lindane)	2.70	2.66	2.72
beta-BHC	2.76	2.73	2.79
delta-BHC	2.89	2.86	2.92
Heptachlor	3.06	3.02	3.08
Aldrin	3.30	3.27	3.33
Heptachlor epoxide	3.85	3.81	3.87
gamma-Chlordane	3.96	3.93	3.99
alpha-Chlordane	4.10	4.06	4.12
4,4'-DDE	4.19	4.16	4.22
Endosulfan I	4.22	4.19	4.25
Dieldrin	4.47	4.43	4.49
Endrin	4.70	4.66	4.72
4,4'-DDD	4.80	4.76	4.82
Endosulfan II	4.92	4.89	4.95
4,4'-DDT	5.08	5.05	5.11
Endrin aldehyde	5.36	5.32	5.38
Methoxychlor	5.61	5.57	5.63
Endosulfan sulfate	5.80	5.76	5.82
Endrin ketone	6.07	6.04	6.10
Tetrachloro-m-xylene	2.11	2.07	2.13
DCB Decachlorobiphenyl	7.12	7.09	7.15

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10122.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-May-2014 13:35:21 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#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub5

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:27 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

First Level Reviewer: WolfL Date: 09-May-2014 14:00:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene							
1	2.107	2.103	0.004	3513046	0.0500	0.0461	
2	2.447	2.443	0.004	5062513	0.0500	0.0546	
						RPD = 16.94	
$ 2 DCB Decachlorobiphenyl							
1	7.123	7.117	0.006	3723202	0.0500	0.0443	
2	8.120	8.113	0.007	3458191	0.0500	0.0492	
						RPD = 10.35	
4 alpha-BHC							M
1	2.473	2.470	0.003	5805751	0.0500	0.0447	
2	2.920	2.913	0.007	8209145	0.0500	0.0531	M
						RPD = 17.13	
6 gamma-BHC (Lindane)							
1	2.697	2.693	0.004	5201558	0.0500	0.0449	
2	3.223	3.217	0.006	7414601	0.0500	0.0533	
						RPD = 17.17	
7 beta-BHC							
1	2.760	2.757	0.003	2006374	0.0500	0.0458	
2	3.290	3.283	0.007	2877899	0.0500	0.0533	
						RPD = 15.03	
8 delta-BHC							
1	2.893	2.890	0.003	5280665	0.0500	0.0449	
2	3.560	3.553	0.007	7409650	0.0500	0.0524	
						RPD = 15.37	
9 Heptachlor							
1	3.060	3.053	0.007	4406261	0.0500	0.0464	
2	3.640	3.633	0.007	7088890	0.0500	0.0538	
						RPD = 14.70	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
10 Aldrin							
1	3.303	3.300	0.003	4587329	0.0500	0.0515	
2	3.953	3.947	0.006	6823151	0.0500	0.0527	
						RPD = 2.23	
13 Heptachlor epoxide							
1	3.847	3.840	0.007	4326234	0.0500	0.0497	
2	4.527	4.520	0.007	5880289	0.0500	0.0538	
						RPD = 7.90	
14 gamma-Chlordane							
1	3.963	3.960	0.003	4876572	0.0500	0.0470	
2	4.723	4.717	0.006	6196334	0.0500	0.0519	
						RPD = 9.92	
15 alpha-Chlordane							
1	4.097	4.090	0.007	4595788	0.0500	0.0458	
2	4.873	4.867	0.006	5726316	0.0500	0.0514	
						RPD = 11.58	
16 4,4'-DDE							
1	4.190	4.187	0.003	4074404	0.0500	0.0420	
2	5.053	5.047	0.006	5519521	0.0500	0.0517	
						RPD = 20.83	
18 Endosulfan I							
1	4.223	4.220	0.003	4114172	0.0500	0.0486	
2	4.927	4.920	0.007	5186099	0.0500	0.0532	
						RPD = 9.00	
19 Dieldrin							
1	4.467	4.460	0.007	4076174	0.0500	0.0457	
2	5.207	5.200	0.007	5808849	0.0500	0.0523	
						RPD = 13.33	
20 Endrin							
1	4.697	4.693	0.004	3871220	0.0500	0.0541	
2	5.510	5.503	0.007	5146877	0.0500	0.0586	
						RPD = 7.90	
22 4,4'-DDD							
1	4.797	4.793	0.004	3559395	0.0500	0.0506	
2	5.640	5.633	0.007	4410764	0.0500	0.0500	
						RPD = 1.21	
23 Endosulfan II							
1	4.923	4.920	0.003	3767214	0.0500	0.0535	
2	5.723	5.717	0.006	4629535	0.0500	0.0515	
						RPD = 3.76	
26 4,4'-DDT							
1	5.083	5.080	0.003	4247952	0.0500	0.0544	
2	5.960	5.953	0.007	4352857	0.0500	0.0478	
						RPD = 13.02	
28 Endrin aldehyde							
1	5.357	5.350	0.007	3752261	0.0500	0.0553	
2	6.060	6.053	0.007	3499283	0.0500	0.0508	
						RPD = 8.49	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
29 Methoxychlor							
1	5.607	5.600	0.007	2175992	0.0500	0.0513	
2	6.647	6.640	0.007	1950038	0.0500	0.0483	
						RPD = 6.06	
30 Endosulfan sulfate							
1	5.797	5.790	0.007	4002737	0.0500	0.0454	
2	6.343	6.337	0.006	3835085	0.0500	0.0481	
						RPD = 5.82	
31 Endrin ketone							
1	6.073	6.067	0.006	4717561	0.0500	0.0456	
2	6.867	6.860	0.007	4378117	0.0500	0.0482	
						RPD = 5.44	
S 35 BHC, Total							
1						0.1803	
2						0.2121	
						RPD = 16.17	

QC Flag Legend

Review Flags
M - Manually Integrated

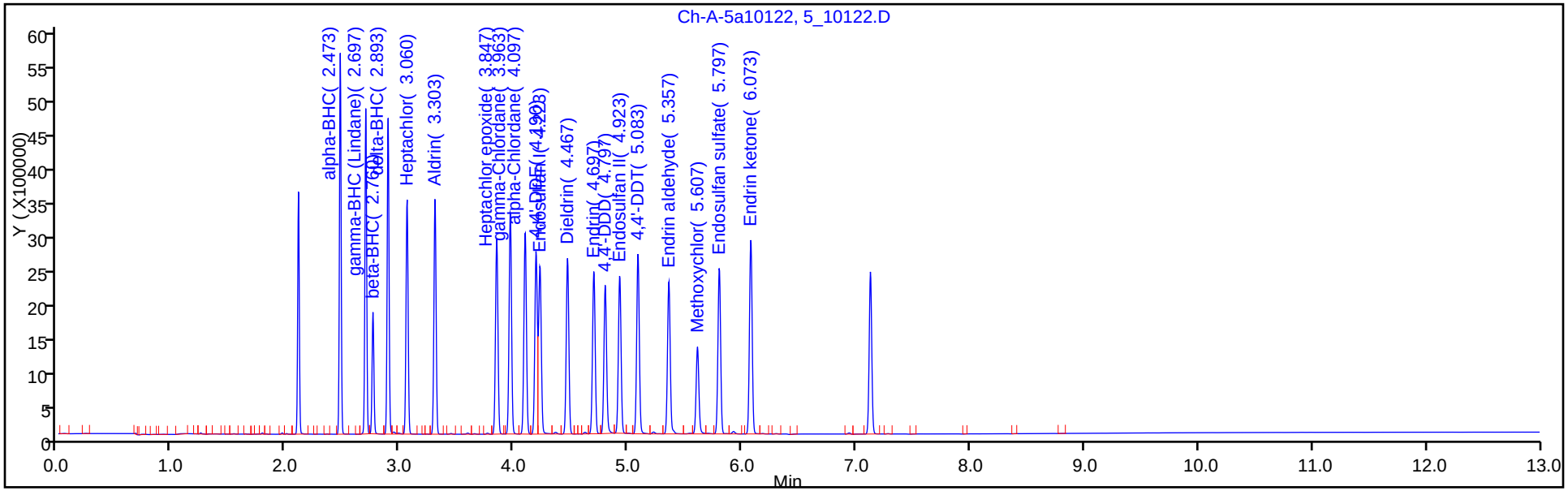
Report Date: 12-May-2014 12:38:27 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

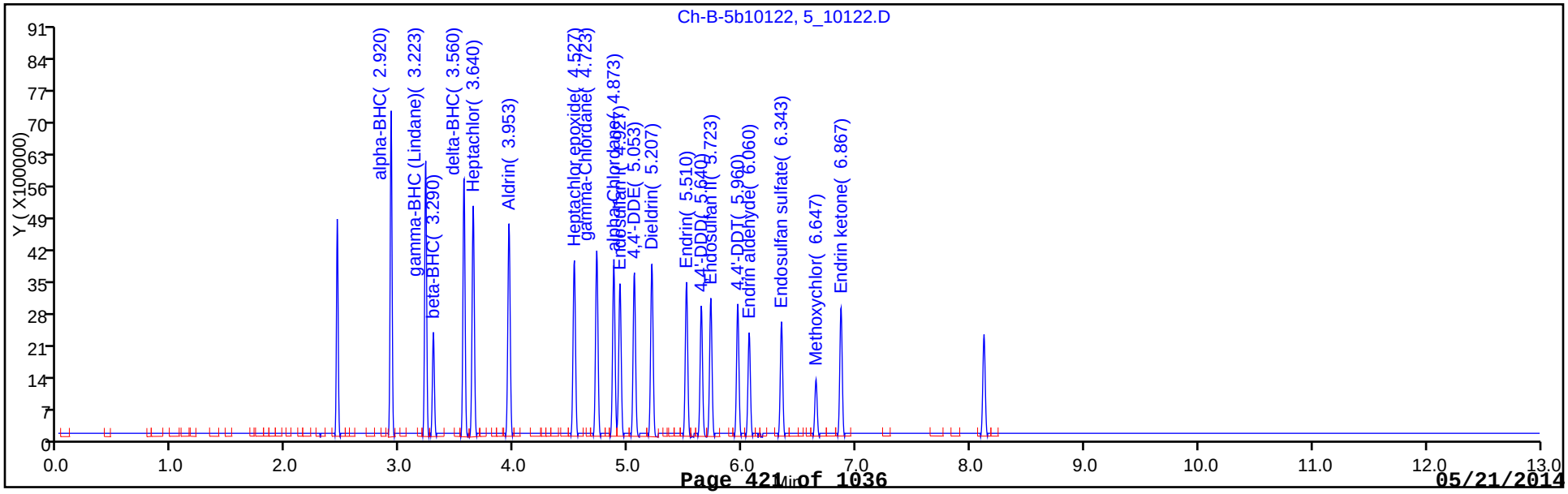
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Injection Date:	09-May-2014 13:35:21	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	ccv			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

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.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/16 Calibration Date: 05/09/2014 13:35

Instrument ID: HP6890-5 Calib Start Date: 03/26/2014 13:21

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 03/26/2014 14:32

Lab File ID: 5_10122.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		164182900		0.0531	0.0500	6.1	15.0
gamma-BHC (Lindane)	Lin1		148292020		0.0533	0.0500	6.6	15.0
beta-BHC	Lin1		57557980		0.0533	0.0500	6.5	15.0
delta-BHC	Lin1		148193000		0.0524	0.0500	4.9	15.0
Heptachlor	Lin1		141777800		0.0538	0.0500	7.6	15.0
Aldrin	Lin1		136463020		0.0527	0.0500	5.4	15.0
Heptachlor epoxide	Lin1		117605780		0.0538	0.0500	7.6	15.0
gamma-Chlordane	Lin1		123926680		0.0519	0.0500	3.8	15.0
alpha-Chlordane	Lin1		114526320		0.0514	0.0500	2.8	15.0
Endosulfan I	Lin1		103721980		0.0532	0.0500	6.3	15.0
4,4'-DDE	Lin1		110390420		0.0517	0.0500	3.5	15.0
Dieldrin	Lin1		116176980		0.0523	0.0500	4.5	15.0
Endrin	Lin1		102937540		0.0586	0.0500	17.2*	15.0
4,4'-DDD	Lin1		88215280		0.0500	0.0500	0.0	15.0
Endosulfan II	Lin1		92590700		0.0515	0.0500	3.0	15.0
4,4'-DDT	Lin1		87057140		0.0478	0.0500	-4.5	15.0
Endrin aldehyde	Lin1		69985660		0.0508	0.0500	1.6	15.0
Endosulfan sulfate	Lin1		76701700		0.0481	0.0500	-3.7	15.0
Methoxychlor	Lin1		39000760		0.0483	0.0500	-3.4	15.0
Endrin ketone	Lin1		87562340		0.0482	0.0500	-3.6	15.0
Tetrachloro-m-xylene	Lin1		101250260		0.0546	0.0500	9.2	15.0
DCB Decachlorobiphenyl	Lin1		69163820		0.0492	0.0500	-1.6	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/16 Calibration Date: 05/09/2014 13:35

Instrument ID: HP6890-5 Calib Start Date: 03/26/2014 13:21

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 03/26/2014 14:32

Lab File ID: 5_10122.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.92	2.88	2.94
gamma-BHC (Lindane)	3.22	3.19	3.25
beta-BHC	3.29	3.25	3.31
delta-BHC	3.56	3.52	3.58
Heptachlor	3.64	3.60	3.66
Aldrin	3.95	3.92	3.98
Heptachlor epoxide	4.53	4.49	4.55
gamma-Chlordane	4.72	4.69	4.75
alpha-Chlordane	4.87	4.84	4.90
Endosulfan I	4.93	4.89	4.95
4,4'-DDE	5.05	5.02	5.08
Dieldrin	5.21	5.17	5.23
Endrin	5.51	5.47	5.53
4,4'-DDD	5.64	5.60	5.66
Endosulfan II	5.72	5.69	5.75
4,4'-DDT	5.96	5.92	5.98
Endrin aldehyde	6.06	6.02	6.08
Endosulfan sulfate	6.34	6.31	6.37
Methoxychlor	6.65	6.61	6.67
Endrin ketone	6.87	6.83	6.89
Tetrachloro-m-xylene	2.45	2.41	2.47
DCB Decachlorobiphenyl	8.12	8.08	8.14

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10122.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-May-2014 13:35:21 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#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub5

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:27 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

First Level Reviewer: WolfL Date: 09-May-2014 14:00:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene							
1	2.107	2.103	0.004	3513046	0.0500	0.0461	
2	2.447	2.443	0.004	5062513	0.0500	0.0546	
						RPD = 16.94	
$ 2 DCB Decachlorobiphenyl							
1	7.123	7.117	0.006	3723202	0.0500	0.0443	
2	8.120	8.113	0.007	3458191	0.0500	0.0492	
						RPD = 10.35	
4 alpha-BHC							M
1	2.473	2.470	0.003	5805751	0.0500	0.0447	
2	2.920	2.913	0.007	8209145	0.0500	0.0531	M
						RPD = 17.13	
6 gamma-BHC (Lindane)							
1	2.697	2.693	0.004	5201558	0.0500	0.0449	
2	3.223	3.217	0.006	7414601	0.0500	0.0533	
						RPD = 17.17	
7 beta-BHC							
1	2.760	2.757	0.003	2006374	0.0500	0.0458	
2	3.290	3.283	0.007	2877899	0.0500	0.0533	
						RPD = 15.03	
8 delta-BHC							
1	2.893	2.890	0.003	5280665	0.0500	0.0449	
2	3.560	3.553	0.007	7409650	0.0500	0.0524	
						RPD = 15.37	
9 Heptachlor							
1	3.060	3.053	0.007	4406261	0.0500	0.0464	
2	3.640	3.633	0.007	7088890	0.0500	0.0538	
						RPD = 14.70	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
10 Aldrin							
1	3.303	3.300	0.003	4587329	0.0500	0.0515	
2	3.953	3.947	0.006	6823151	0.0500	0.0527	
						RPD = 2.23	
13 Heptachlor epoxide							
1	3.847	3.840	0.007	4326234	0.0500	0.0497	
2	4.527	4.520	0.007	5880289	0.0500	0.0538	
						RPD = 7.90	
14 gamma-Chlordane							
1	3.963	3.960	0.003	4876572	0.0500	0.0470	
2	4.723	4.717	0.006	6196334	0.0500	0.0519	
						RPD = 9.92	
15 alpha-Chlordane							
1	4.097	4.090	0.007	4595788	0.0500	0.0458	
2	4.873	4.867	0.006	5726316	0.0500	0.0514	
						RPD = 11.58	
16 4,4'-DDE							
1	4.190	4.187	0.003	4074404	0.0500	0.0420	
2	5.053	5.047	0.006	5519521	0.0500	0.0517	
						RPD = 20.83	
18 Endosulfan I							
1	4.223	4.220	0.003	4114172	0.0500	0.0486	
2	4.927	4.920	0.007	5186099	0.0500	0.0532	
						RPD = 9.00	
19 Dieldrin							
1	4.467	4.460	0.007	4076174	0.0500	0.0457	
2	5.207	5.200	0.007	5808849	0.0500	0.0523	
						RPD = 13.33	
20 Endrin							
1	4.697	4.693	0.004	3871220	0.0500	0.0541	
2	5.510	5.503	0.007	5146877	0.0500	0.0586	
						RPD = 7.90	
22 4,4'-DDD							
1	4.797	4.793	0.004	3559395	0.0500	0.0506	
2	5.640	5.633	0.007	4410764	0.0500	0.0500	
						RPD = 1.21	
23 Endosulfan II							
1	4.923	4.920	0.003	3767214	0.0500	0.0535	
2	5.723	5.717	0.006	4629535	0.0500	0.0515	
						RPD = 3.76	
26 4,4'-DDT							
1	5.083	5.080	0.003	4247952	0.0500	0.0544	
2	5.960	5.953	0.007	4352857	0.0500	0.0478	
						RPD = 13.02	
28 Endrin aldehyde							
1	5.357	5.350	0.007	3752261	0.0500	0.0553	
2	6.060	6.053	0.007	3499283	0.0500	0.0508	
						RPD = 8.49	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
29 Methoxychlor							
1	5.607	5.600	0.007	2175992	0.0500	0.0513	
2	6.647	6.640	0.007	1950038	0.0500	0.0483	
						RPD = 6.06	
30 Endosulfan sulfate							
1	5.797	5.790	0.007	4002737	0.0500	0.0454	
2	6.343	6.337	0.006	3835085	0.0500	0.0481	
						RPD = 5.82	
31 Endrin ketone							
1	6.073	6.067	0.006	4717561	0.0500	0.0456	
2	6.867	6.860	0.007	4378117	0.0500	0.0482	
						RPD = 5.44	
S 35 BHC, Total							
1						0.1803	
2						0.2121	
						RPD = 16.17	

QC Flag Legend

Review Flags
M - Manually Integrated

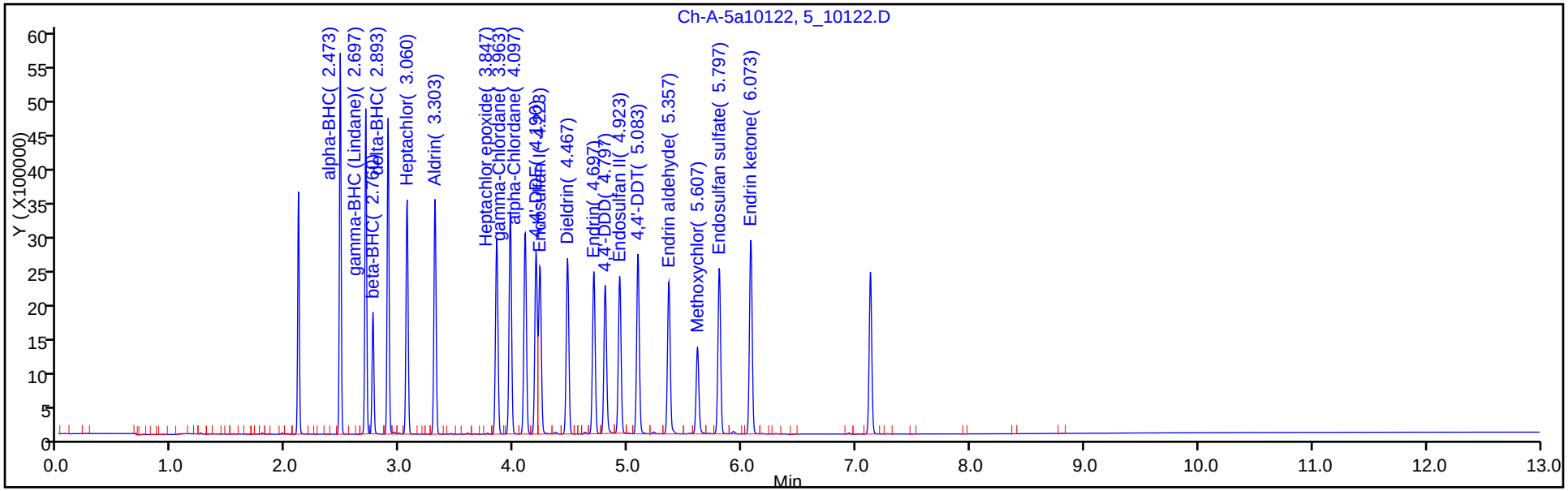
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TestAmerica Buffalo

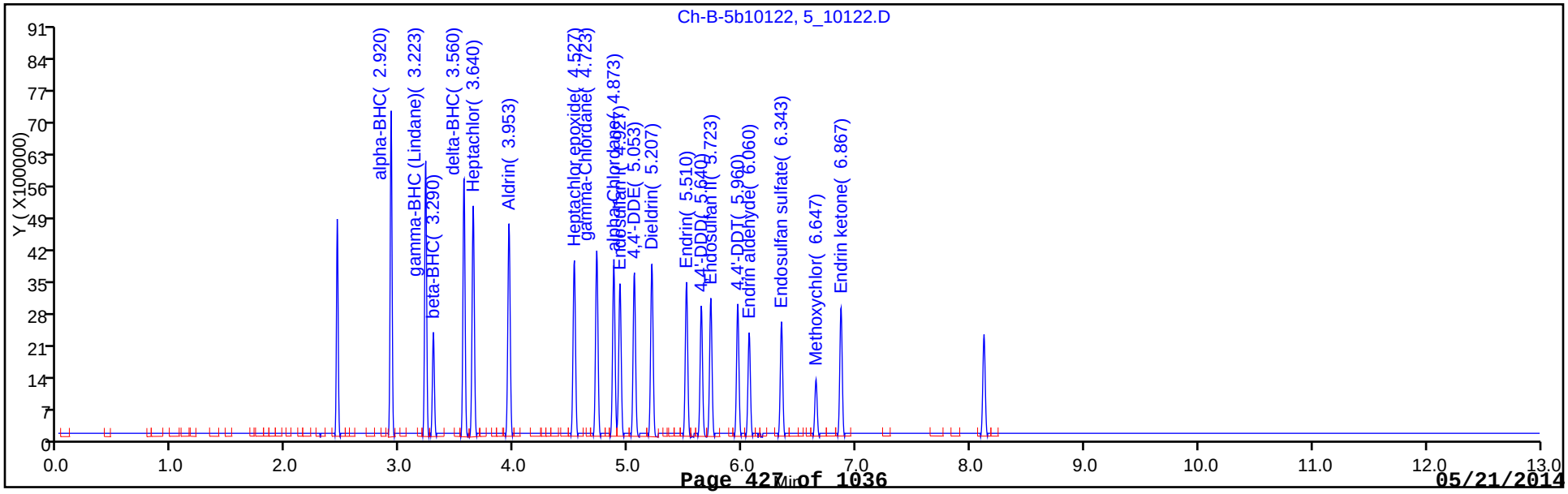
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Injection Date:	09-May-2014 13:35:21	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	ccv			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

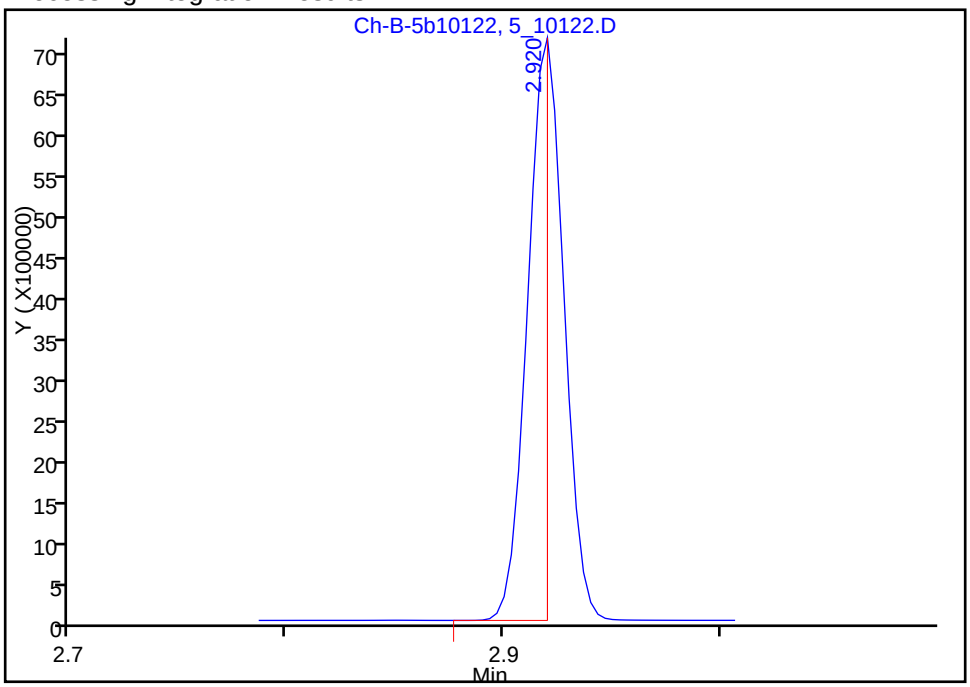
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10122.D
Injection Date: 09-May-2014 13:35:21 Instrument ID: HP6890-5
Lims ID: ccv
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8081-5 Limit Group: GC - 608 Pest ICAL
Column: Detector Ch-B-6b58132

4 alpha-BHC, CAS: 319-84-6

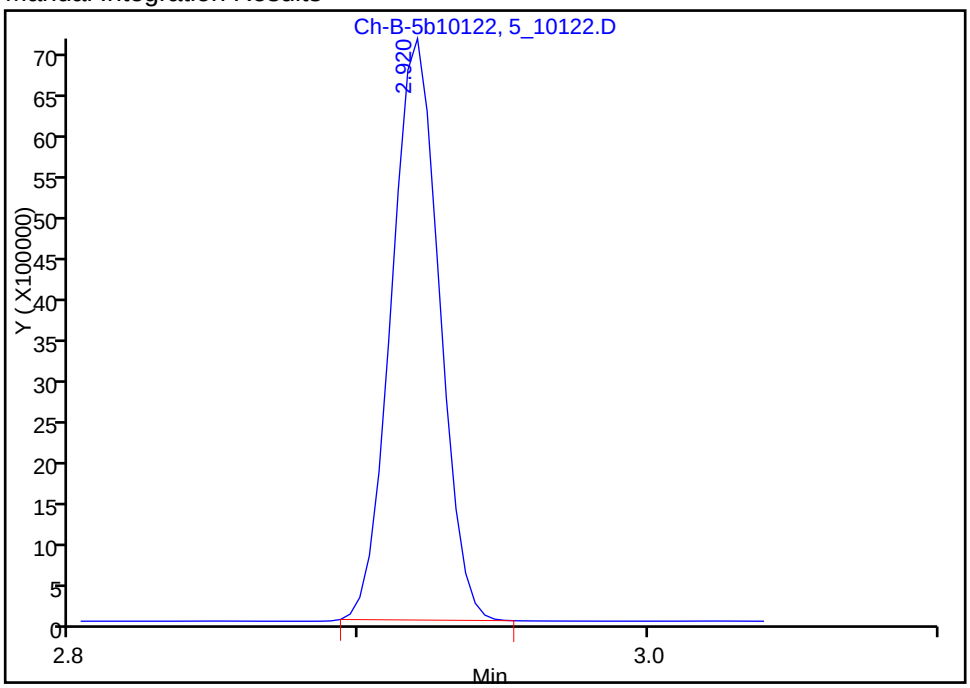
Processing Integration Results

RT: 2.92
Response: 4399992
Amount: 0.028931



Manual Integration Results

RT: 2.92
Response: 8209145
Amount: 0.053055



Reviewer: WolfL, 09-May-2014 14:00:52
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/23 Calibration Date: 05/09/2014 15:53

Instrument ID: HP6890-5 Calib Start Date: 03/27/2014 14:46

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 03/27/2014 15:57

Lab File ID: 5_10129.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin1		3993182		0.490	0.500	-1.9	15.0
Toxaphene Peak 2	Lin1		4393362		0.544	0.500	8.8	15.0
Toxaphene Peak 3	Lin1		3377302		0.407	0.500	-18.5*	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/23 Calibration Date: 05/09/2014 15:53

Instrument ID: HP6890-5 Calib Start Date: 03/27/2014 14:46

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 03/27/2014 15:57

Lab File ID: 5_10129.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	4.92	4.89	4.95
Toxaphene Peak 2	5.27	5.24	5.30
Toxaphene Peak 3	5.69	5.66	5.72

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10129.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-May-2014 15:53:48 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#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub7

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:33 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

First Level Reviewer: WolfL Date: 12-May-2014 12:35:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
24 Toxaphene							M
1	4.917	4.917	0.000	1996591	0.5000	0.4904	M
1	5.273	5.273	0.000	2196681	0.5000	0.5442	M
1	5.693	5.693	0.000	1688651	0.5000	0.4073	M
		Average of Peak Amounts =				0.4806	
2	5.813	5.813	0.000	2682275	0.5000	0.4575	M
2	6.083	6.083	0.000	1523767	0.5000	0.4788	
2	6.583	6.583	0.000	1237434	0.5000	0.4533	M
		Average of Peak Amounts =				0.4632	
						RPD = 3.69	

QC Flag Legend

Review Flags
M - Manually Integrated

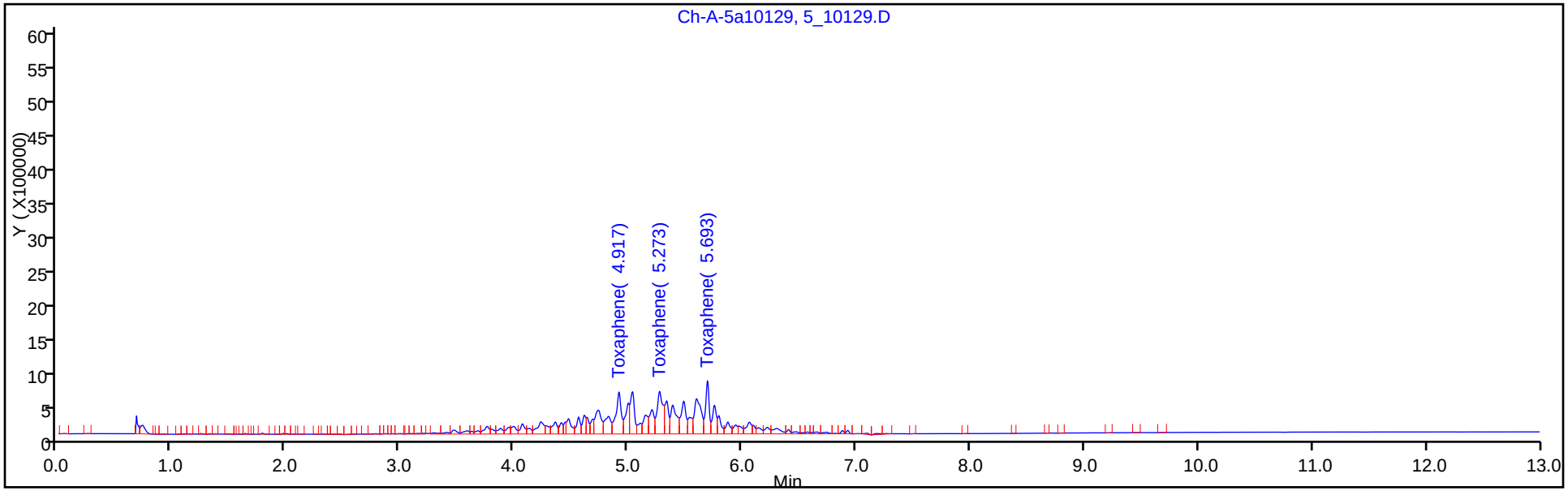
Report Date: 12-May-2014 12:38:33 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

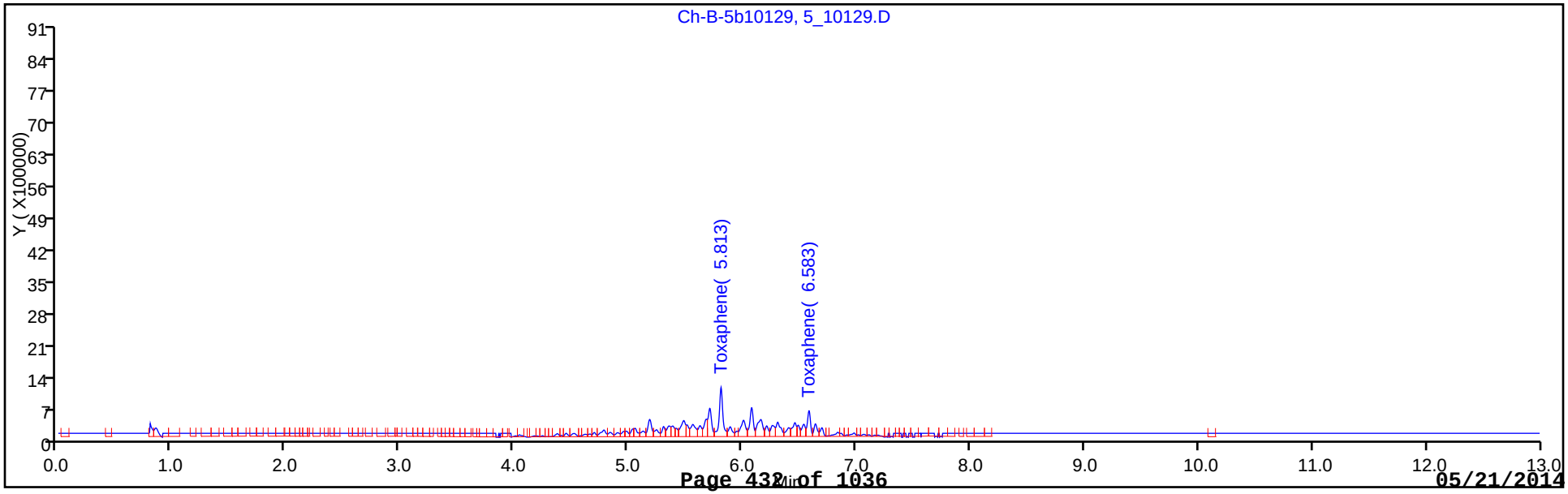
Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10129.D

Injection Date:	09-May-2014 15:53:48	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	ccv			Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value

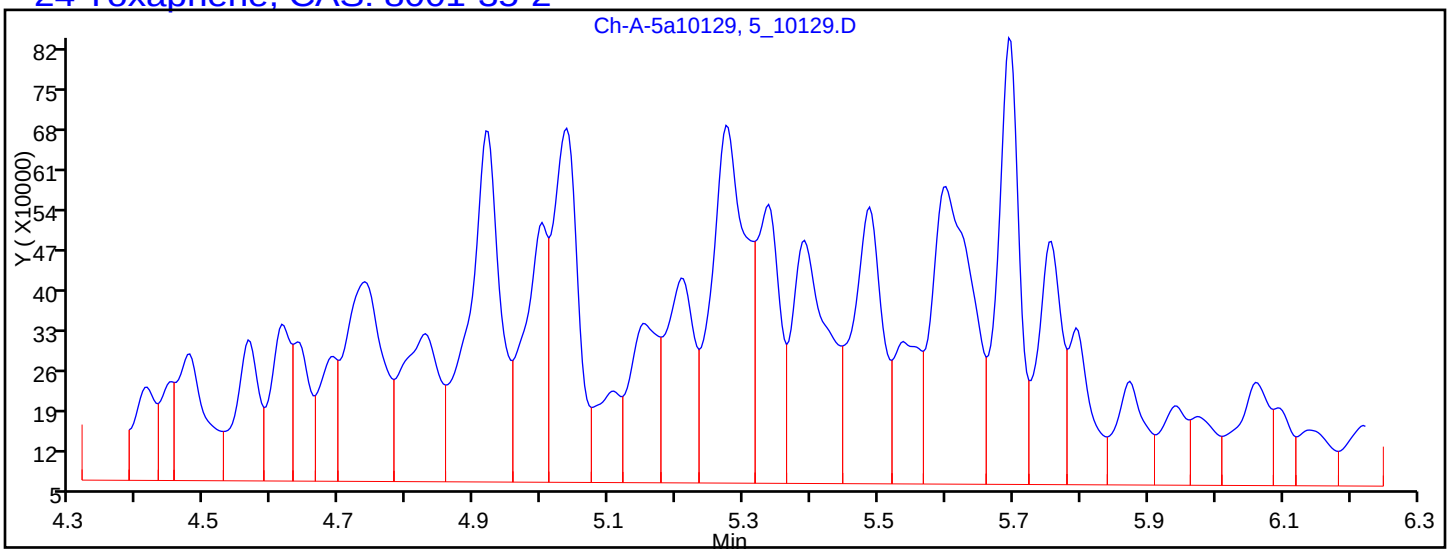


Report Date: 12-May-2014 12:38:33 Chrom Revision: 2.2 14-Apr-2014 13:40:08

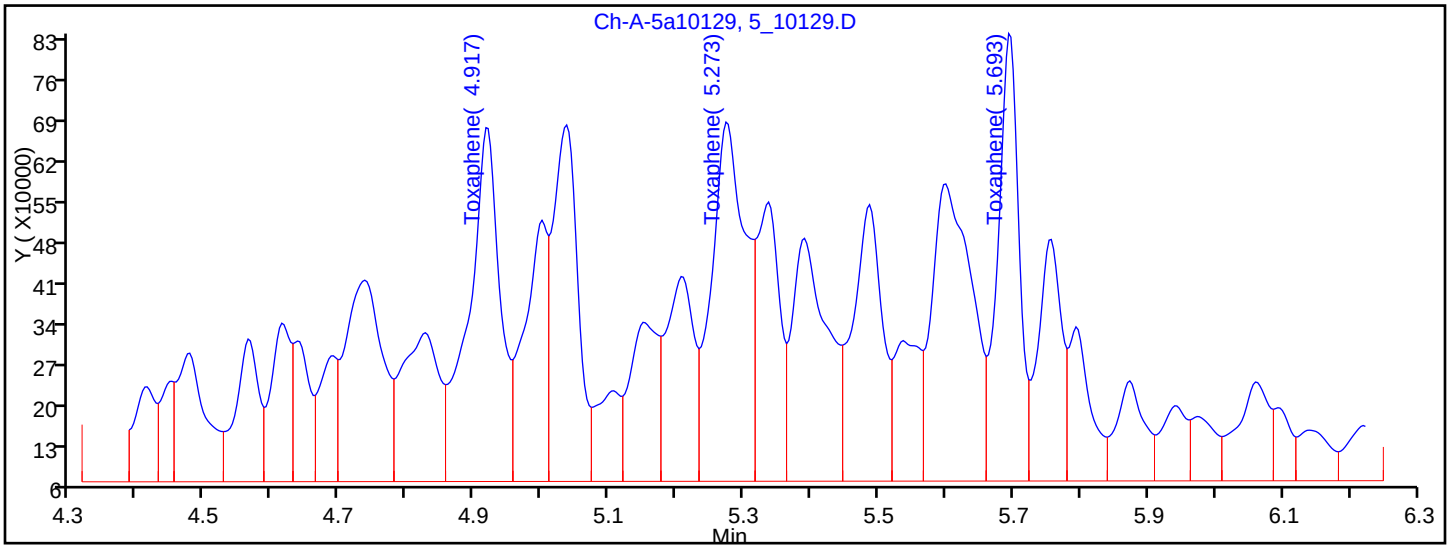
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10129.D
Injection Date: 09-May-2014 15:53:48 Instrument ID: HP6890-5
Lims ID: ccv
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8081-5 Limit Group: GC - 608 Pest ICAL
Column: Detector Ch-A-6A58132

24 Toxaphene, CAS: 8001-35-2



Processing Integration Results



Manual Integration Results

RT = 4.917	Response = 1996591	M
RT = 5.273	Response = 2196681	M
RT = 5.693	Response = 1688651	M

Reviewer: WolfL, 12-May-2014 12:35:51
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/23 Calibration Date: 05/09/2014 15:53

Instrument ID: HP6890-5 Calib Start Date: 03/27/2014 14:46

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 03/27/2014 15:57

Lab File ID: 5_10129.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin1		5364550		0.458	0.500	-8.5	15.0
Toxaphene Peak 2	Lin1		3047534		0.479	0.500	-4.2	15.0
Toxaphene Peak 3	Lin1		2474868		0.453	0.500	-9.3	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/23 Calibration Date: 05/09/2014 15:53

Instrument ID: HP6890-5 Calib Start Date: 03/27/2014 14:46

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 03/27/2014 15:57

Lab File ID: 5_10129.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.81	5.78	5.84
Toxaphene Peak 2	6.08	6.05	6.11
Toxaphene Peak 3	6.58	6.55	6.61

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10129.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-May-2014 15:53:48 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#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub7

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:33 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

First Level Reviewer: WolfL Date: 12-May-2014 12:35:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
24 Toxaphene							M
1	4.917	4.917	0.000	1996591	0.5000	0.4904	M
1	5.273	5.273	0.000	2196681	0.5000	0.5442	M
1	5.693	5.693	0.000	1688651	0.5000	0.4073	M
		Average of Peak Amounts =				0.4806	
2	5.813	5.813	0.000	2682275	0.5000	0.4575	M
2	6.083	6.083	0.000	1523767	0.5000	0.4788	
2	6.583	6.583	0.000	1237434	0.5000	0.4533	M
		Average of Peak Amounts =				0.4632	
						RPD = 3.69	

QC Flag Legend

Review Flags
M - Manually Integrated

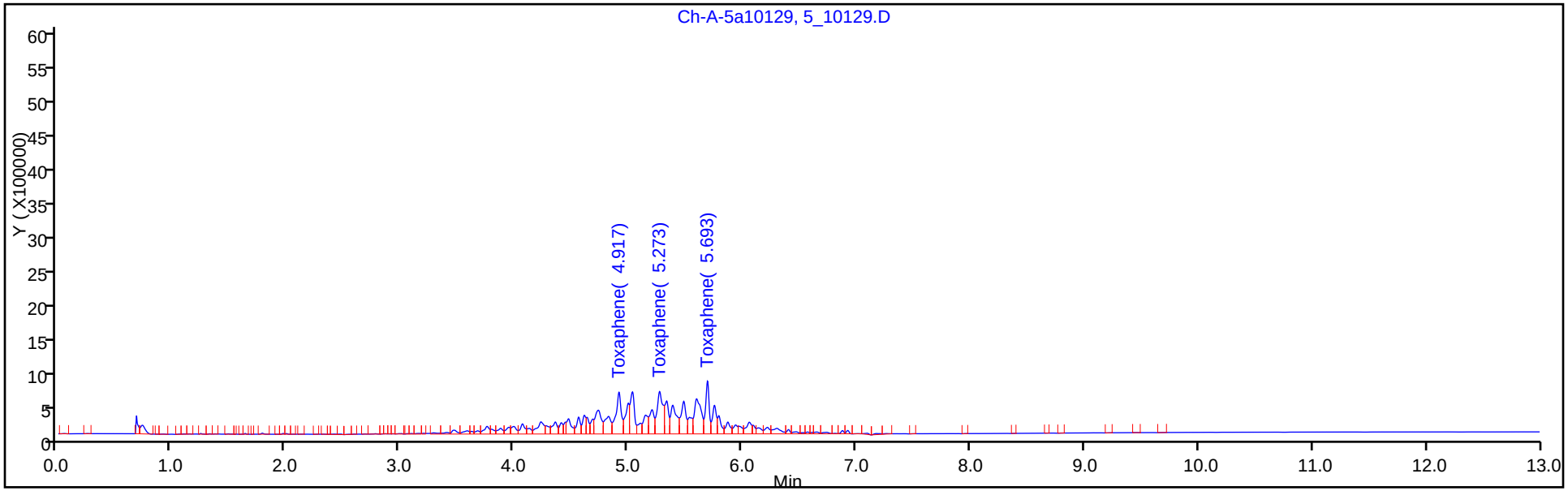
Report Date: 12-May-2014 12:38:34 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

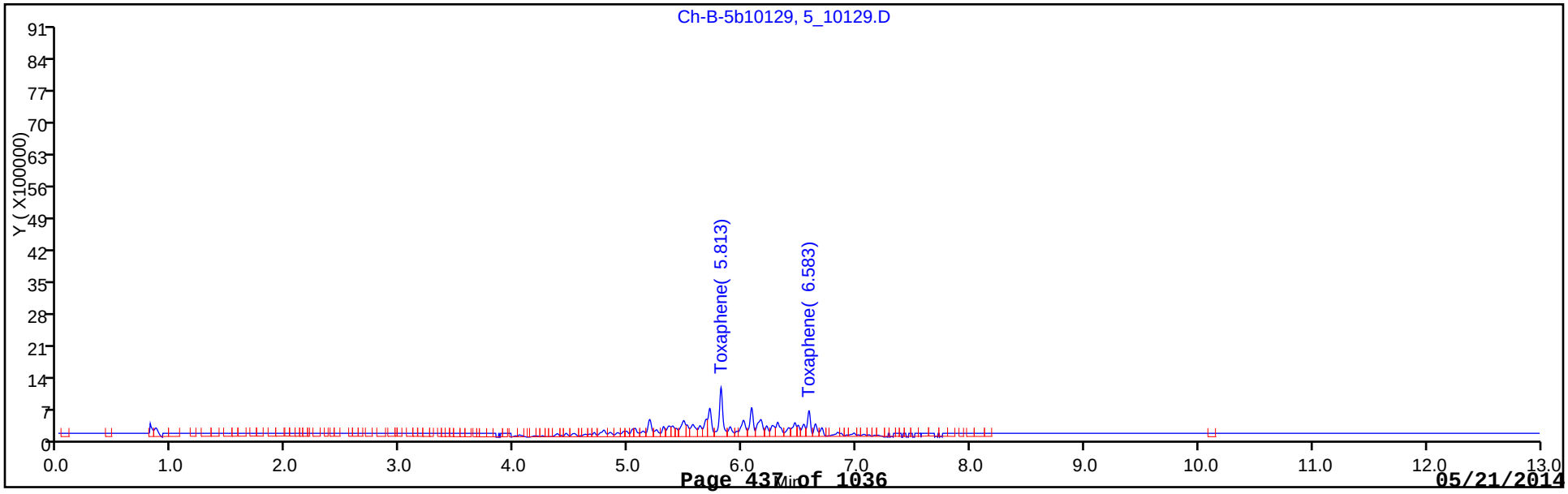
Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10129.D

Injection Date:	09-May-2014 15:53:48	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	ccv			Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 12-May-2014 12:38:34 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10129.D

Injection Date: 09-May-2014 15:53:48 Instrument ID: HP6890-5

Lims ID: ccv

Client ID:

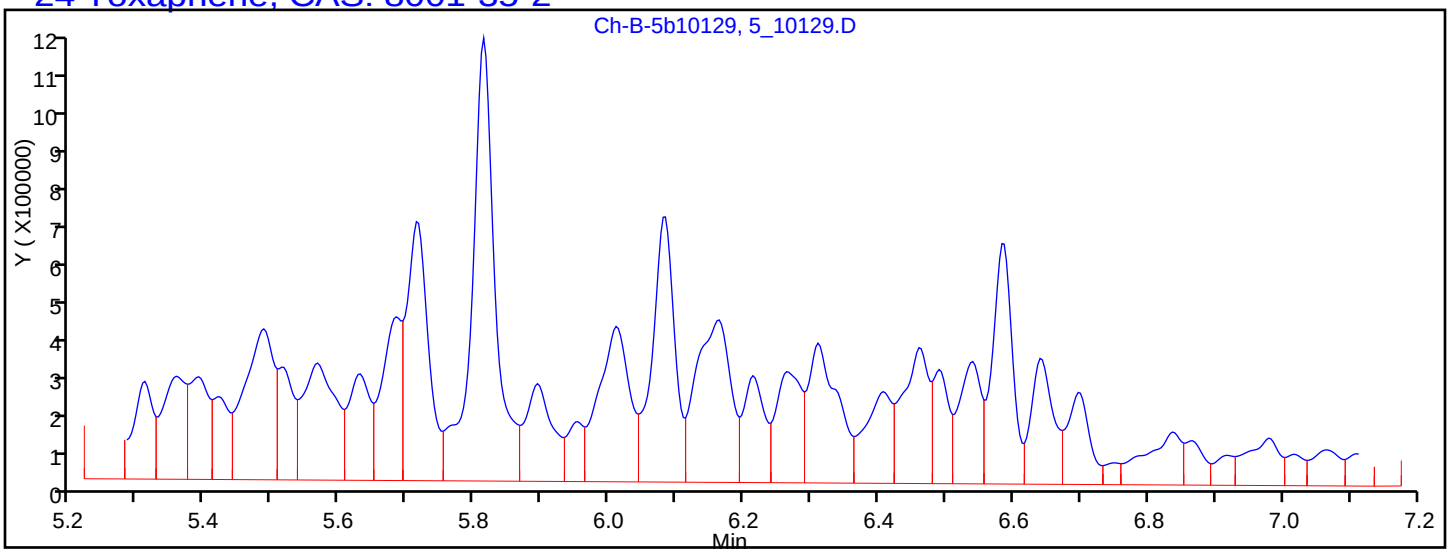
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul Dil. Factor: 1.0000

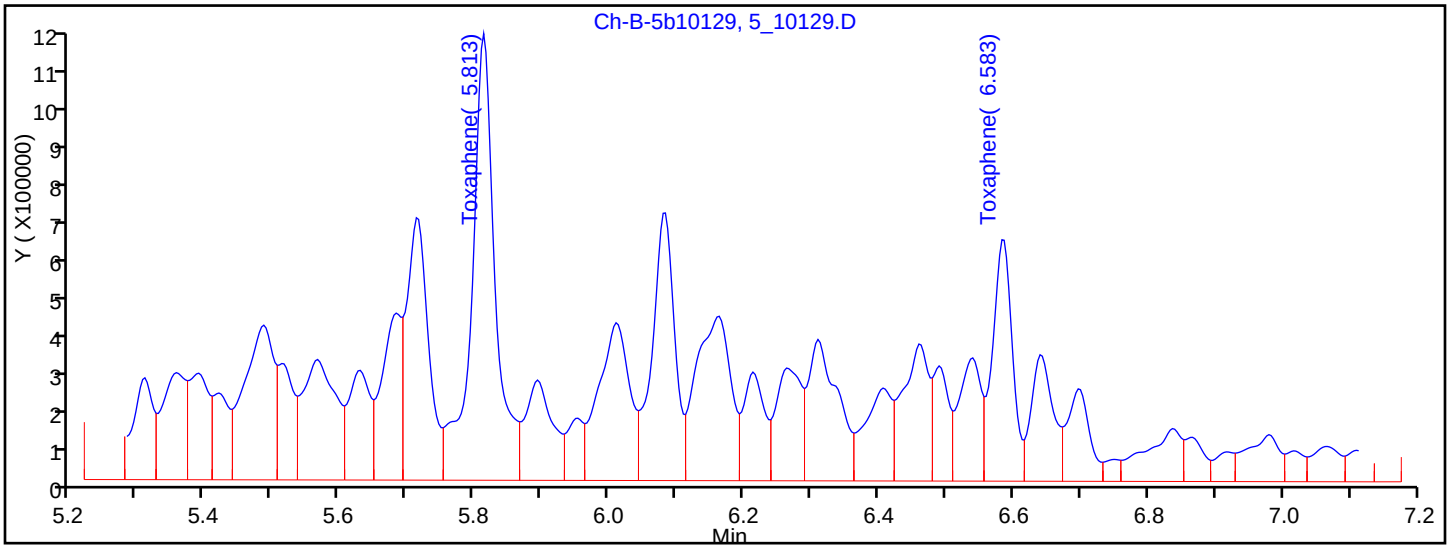
Method: 8081-5 Limit Group: GC - 608 Pest ICAL

Column: Detector Ch-B-6b58132

24 Toxaphene, CAS: 8001-35-2



Processing Integration Results



Manual Integration Results

RT = 5.813	Response = 2682275	M
RT = 6.083	Response = 1523767	
RT = 6.583	Response = 1237434	M

Reviewer: WolfL, 12-May-2014 12:35:51

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/24 Calibration Date: 05/09/2014 16:11

Instrument ID: HP6890-5 Calib Start Date: 03/26/2014 13:21

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 03/26/2014 14:32

Lab File ID: 5_10130.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		114625400		0.0441	0.0500	-11.7	15.0
gamma-BHC (Lindane)	Lin1		102282540		0.0442	0.0500	-11.7	15.0
beta-BHC	Lin1		39572040		0.0452	0.0500	-9.6	15.0
delta-BHC	Lin1		103868000		0.0442	0.0500	-11.5	15.0
Heptachlor	Lin1		86178880		0.0454	0.0500	-9.2	15.0
Aldrin	Lin1		89471720		0.0503	0.0500	0.5	15.0
Heptachlor epoxide	Lin1		85902020		0.0494	0.0500	-1.3	15.0
gamma-Chlordane	Lin1		94694480		0.0457	0.0500	-8.7	15.0
alpha-Chlordane	Lin1		89433220		0.0445	0.0500	-10.9	15.0
4,4'-DDE	Lin1		85621920		0.0440	0.0500	-11.9	15.0
Endosulfan I	Lin1		76518800		0.0452	0.0500	-9.7	15.0
Dieldrin	Lin1		80629500		0.0452	0.0500	-9.5	15.0
Endrin	Lin1		74509300		0.0521	0.0500	4.3	15.0
4,4'-DDD	Lin1		70175620		0.0499	0.0500	-0.1	15.0
Endosulfan II	Lin1		74650680		0.0530	0.0500	6.0	15.0
4,4'-DDT	Lin1		78082640		0.0501	0.0500	0.2	15.0
Endrin aldehyde	Lin1		74232720		0.0547	0.0500	9.3	15.0
Methoxychlor	Lin1		41924940		0.0494	0.0500	-1.2	15.0
Endosulfan sulfate	Lin1		83036260		0.0471	0.0500	-5.8	15.0
Endrin ketone	Lin1		93582160		0.0453	0.0500	-9.5	15.0
Tetrachloro-m-xylene	Lin1		68967840		0.0453	0.0500	-9.5	15.0
DCB Decachlorobiphenyl	Lin1		67610800		0.0403	0.0500	-19.3*	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/24 Calibration Date: 05/09/2014 16:11

Instrument ID: HP6890-5 Calib Start Date: 03/26/2014 13:21

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 03/26/2014 14:32

Lab File ID: 5_10130.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.48	2.44	2.50
gamma-BHC (Lindane)	2.70	2.66	2.72
beta-BHC	2.76	2.73	2.79
delta-BHC	2.90	2.86	2.92
Heptachlor	3.06	3.02	3.08
Aldrin	3.31	3.27	3.33
Heptachlor epoxide	3.85	3.81	3.87
gamma-Chlordane	3.97	3.93	3.99
alpha-Chlordane	4.10	4.06	4.12
4,4'-DDE	4.19	4.16	4.22
Endosulfan I	4.23	4.19	4.25
Dieldrin	4.47	4.43	4.49
Endrin	4.70	4.66	4.72
4,4'-DDD	4.80	4.76	4.82
Endosulfan II	4.93	4.89	4.95
4,4'-DDT	5.09	5.05	5.11
Endrin aldehyde	5.36	5.32	5.38
Methoxychlor	5.61	5.57	5.63
Endosulfan sulfate	5.80	5.76	5.82
Endrin ketone	6.08	6.04	6.10
Tetrachloro-m-xylene	2.11	2.07	2.13
DCB Decachlorobiphenyl	7.13	7.09	7.15

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10130.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-May-2014 16:11:19 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#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub5

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:44 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

First Level Reviewer: WolfL Date: 12-May-2014 12:38:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene							
1	2.110	2.103	0.007	3448392	0.0500	0.0453	
2	2.447	2.443	0.004	4968774	0.0500	0.0536	
						RPD = 16.90	
$ 2 DCB Decachlorobiphenyl							
1	7.130	7.117	0.013	3380540	0.0500	0.0403	
2	8.120	8.113	0.007	3425505	0.0500	0.0487	
						RPD = 18.80	
4 alpha-BHC							
1	2.477	2.470	0.007	5731270	0.0500	0.0441	
2	2.920	2.913	0.007	8142709	0.0500	0.0526	
						RPD = 17.58	
6 gamma-BHC (Lindane)							
1	2.700	2.693	0.007	5114127	0.0500	0.0442	
2	3.223	3.217	0.006	7290352	0.0500	0.0524	
						RPD = 17.15	
7 beta-BHC							
1	2.763	2.757	0.006	1978602	0.0500	0.0452	
2	3.290	3.283	0.007	2830833	0.0500	0.0524	
						RPD = 14.76	
8 delta-BHC							
1	2.897	2.890	0.007	5193400	0.0500	0.0442	
2	3.560	3.553	0.007	7342057	0.0500	0.0520	
						RPD = 16.07	
9 Heptachlor							
1	3.063	3.053	0.010	4308944	0.0500	0.0454	
2	3.640	3.633	0.007	6917271	0.0500	0.0525	
						RPD = 14.47	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
10 Aldrin							
1	3.310	3.300	0.010	4473586	0.0500	0.0503	
2	3.953	3.947	0.006	6716307	0.0500	0.0519	
						RPD = 3.13	
13 Heptachlor epoxide							
1	3.850	3.840	0.010	4295101	0.0500	0.0494	
2	4.527	4.520	0.007	5740379	0.0500	0.0525	
						RPD = 6.23	
14 gamma-Chlordane							
1	3.970	3.960	0.010	4734724	0.0500	0.0457	
2	4.723	4.717	0.006	6052239	0.0500	0.0507	
						RPD = 10.50	
15 alpha-Chlordane							
1	4.100	4.090	0.010	4471661	0.0500	0.0445	
2	4.873	4.867	0.006	5580790	0.0500	0.0501	
						RPD = 11.73	
16 4,4'-DDE							
1	4.193	4.187	0.006	4281096	0.0500	0.0440	
2	5.053	5.047	0.006	5495012	0.0500	0.0515	
						RPD = 15.65	
18 Endosulfan I							
1	4.230	4.220	0.010	3825940	0.0500	0.0452	
2	4.927	4.920	0.007	5109902	0.0500	0.0524	
						RPD = 14.82	
19 Dieldrin							
1	4.470	4.460	0.010	4031475	0.0500	0.0452	
2	5.207	5.200	0.007	5710709	0.0500	0.0514	
						RPD = 12.74	
20 Endrin							
1	4.703	4.693	0.010	3725465	0.0500	0.0521	
2	5.510	5.503	0.007	4787543	0.0500	0.0546	
						RPD = 4.57	
22 4,4'-DDD							
1	4.800	4.793	0.007	3508781	0.0500	0.0499	
2	5.640	5.633	0.007	4296575	0.0500	0.0488	
						RPD = 2.39	
23 Endosulfan II							
1	4.930	4.920	0.010	3732534	0.0500	0.0530	
2	5.723	5.717	0.006	4546692	0.0500	0.0506	
						RPD = 4.63	
26 4,4'-DDT							
1	5.090	5.080	0.010	3904132	0.0500	0.0501	
2	5.960	5.953	0.007	4096803	0.0500	0.0450	
						RPD = 10.71	
28 Endrin aldehyde							
1	5.360	5.350	0.010	3711636	0.0500	0.0547	
2	6.060	6.053	0.007	3487359	0.0500	0.0506	
						RPD = 7.73	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
29 Methoxychlor							
1	5.610	5.600	0.010	2096247	0.0500	0.0494	
2	6.647	6.640	0.007	1888274	0.0500	0.0468	
						RPD = 5.45	
30 Endosulfan sulfate							
1	5.803	5.790	0.013	4151813	0.0500	0.0471	
2	6.347	6.337	0.010	3941698	0.0500	0.0494	
						RPD = 4.84	
31 Endrin ketone							
1	6.080	6.067	0.013	4679108	0.0500	0.0453	
2	6.867	6.860	0.007	4385023	0.0500	0.0483	
						RPD = 6.42	
S 35 BHC, Total							
1						0.1777	
2						0.2094	
						RPD = 16.39	

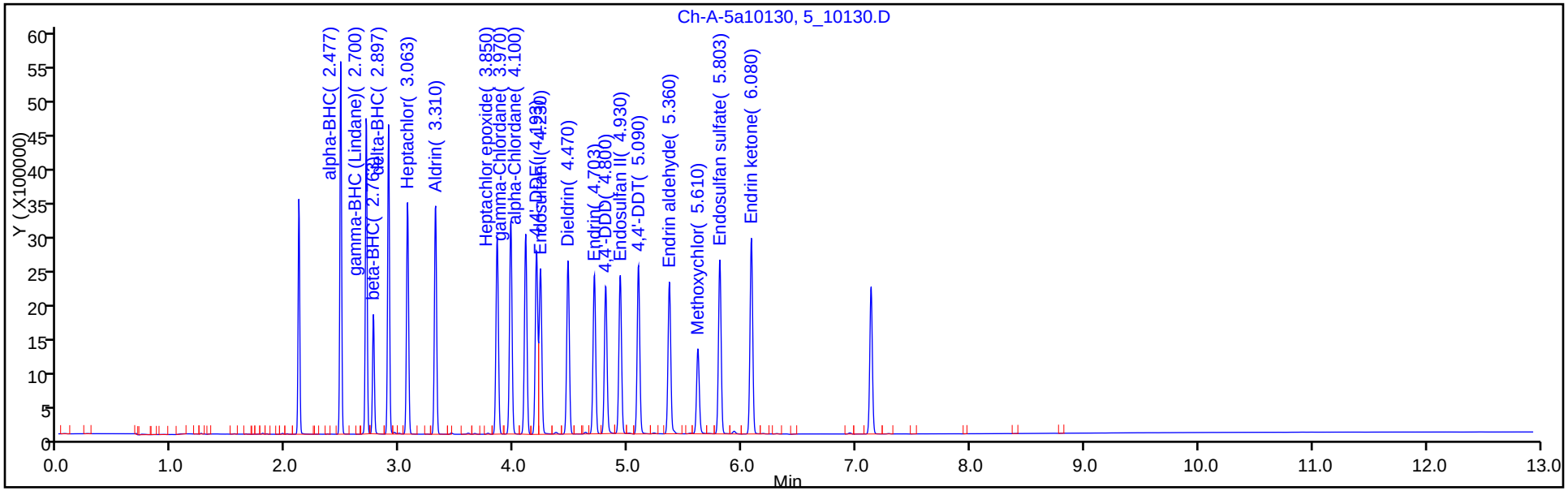
Report Date: 12-May-2014 12:38:44 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

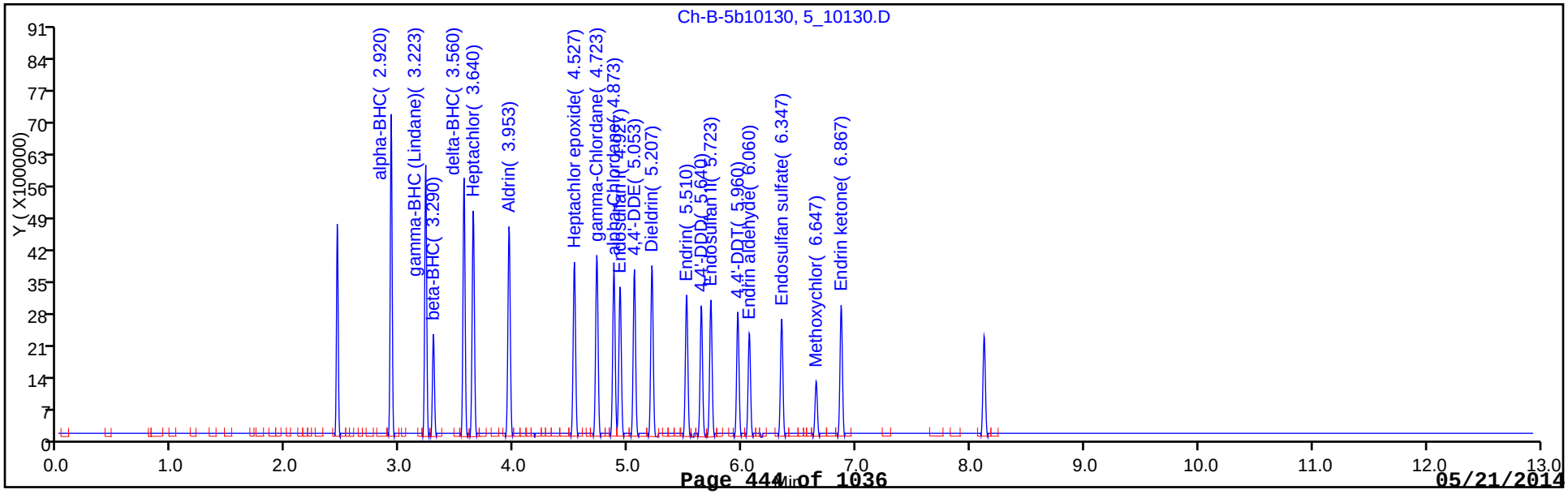
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Injection Date:	09-May-2014 16:11:19	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	ccv			Worklist Smp#:	24
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

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.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/24 Calibration Date: 05/09/2014 16:11

Instrument ID: HP6890-5 Calib Start Date: 03/26/2014 13:21

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 03/26/2014 14:32

Lab File ID: 5_10130.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		162854180		0.0526	0.0500	5.3	15.0
gamma-BHC (Lindane)	Lin1		145807040		0.0524	0.0500	4.9	15.0
beta-BHC	Lin1		56616660		0.0524	0.0500	4.8	15.0
delta-BHC	Lin1		146841140		0.0520	0.0500	3.9	15.0
Heptachlor	Lin1		138345420		0.0525	0.0500	5.0	15.0
Aldrin	Lin1		134326140		0.0519	0.0500	3.7	15.0
Heptachlor epoxide	Lin1		114807580		0.0525	0.0500	5.1	15.0
gamma-Chlordane	Lin1		121044780		0.0507	0.0500	1.4	15.0
alpha-Chlordane	Lin1		111615800		0.0501	0.0500	0.2	15.0
Endosulfan I	Lin1		102198040		0.0524	0.0500	4.8	15.0
4,4'-DDE	Lin1		109900240		0.0515	0.0500	3.0	15.0
Dieldrin	Lin1		114214180		0.0514	0.0500	2.8	15.0
Endrin	Lin1		95750860		0.0546	0.0500	9.1	15.0
4,4'-DDD	Lin1		85931500		0.0488	0.0500	-2.5	15.0
Endosulfan II	Lin1		90933840		0.0506	0.0500	1.2	15.0
4,4'-DDT	Lin1		81936060		0.0450	0.0500	-10.0	15.0
Endrin aldehyde	Lin1		69747180		0.0506	0.0500	1.2	15.0
Endosulfan sulfate	Lin1		78833960		0.0494	0.0500	-1.1	15.0
Methoxychlor	Lin1		37765480		0.0468	0.0500	-6.4	15.0
Endrin ketone	Lin1		87700460		0.0483	0.0500	-3.5	15.0
Tetrachloro-m-xylene	Lin1		99375480		0.0536	0.0500	7.2	15.0
DCB Decachlorobiphenyl	Lin1		68510100		0.0487	0.0500	-2.6	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/24 Calibration Date: 05/09/2014 16:11

Instrument ID: HP6890-5 Calib Start Date: 03/26/2014 13:21

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 03/26/2014 14:32

Lab File ID: 5_10130.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.92	2.88	2.94
gamma-BHC (Lindane)	3.22	3.19	3.25
beta-BHC	3.29	3.25	3.31
delta-BHC	3.56	3.52	3.58
Heptachlor	3.64	3.60	3.66
Aldrin	3.95	3.92	3.98
Heptachlor epoxide	4.53	4.49	4.55
gamma-Chlordane	4.72	4.69	4.75
alpha-Chlordane	4.87	4.84	4.90
Endosulfan I	4.93	4.89	4.95
4,4'-DDE	5.05	5.02	5.08
Dieldrin	5.21	5.17	5.23
Endrin	5.51	5.47	5.53
4,4'-DDD	5.64	5.60	5.66
Endosulfan II	5.72	5.69	5.75
4,4'-DDT	5.96	5.92	5.98
Endrin aldehyde	6.06	6.02	6.08
Endosulfan sulfate	6.35	6.31	6.37
Methoxychlor	6.65	6.61	6.67
Endrin ketone	6.87	6.83	6.89
Tetrachloro-m-xylene	2.45	2.41	2.47
DCB Decachlorobiphenyl	8.12	8.08	8.14

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10130.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-May-2014 16:11:19 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#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5
Sublist: chrom-8081-5*sub5

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:44 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

First Level Reviewer: WolfL Date: 12-May-2014 12:38:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene							
1	2.110	2.103	0.007	3448392	0.0500	0.0453	
2	2.447	2.443	0.004	4968774	0.0500	0.0536	
						RPD = 16.90	
$ 2 DCB Decachlorobiphenyl							
1	7.130	7.117	0.013	3380540	0.0500	0.0403	
2	8.120	8.113	0.007	3425505	0.0500	0.0487	
						RPD = 18.80	
4 alpha-BHC							
1	2.477	2.470	0.007	5731270	0.0500	0.0441	
2	2.920	2.913	0.007	8142709	0.0500	0.0526	
						RPD = 17.58	
6 gamma-BHC (Lindane)							
1	2.700	2.693	0.007	5114127	0.0500	0.0442	
2	3.223	3.217	0.006	7290352	0.0500	0.0524	
						RPD = 17.15	
7 beta-BHC							
1	2.763	2.757	0.006	1978602	0.0500	0.0452	
2	3.290	3.283	0.007	2830833	0.0500	0.0524	
						RPD = 14.76	
8 delta-BHC							
1	2.897	2.890	0.007	5193400	0.0500	0.0442	
2	3.560	3.553	0.007	7342057	0.0500	0.0520	
						RPD = 16.07	
9 Heptachlor							
1	3.063	3.053	0.010	4308944	0.0500	0.0454	
2	3.640	3.633	0.007	6917271	0.0500	0.0525	
						RPD = 14.47	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
10 Aldrin							
1	3.310	3.300	0.010	4473586	0.0500	0.0503	
2	3.953	3.947	0.006	6716307	0.0500	0.0519	
						RPD = 3.13	
13 Heptachlor epoxide							
1	3.850	3.840	0.010	4295101	0.0500	0.0494	
2	4.527	4.520	0.007	5740379	0.0500	0.0525	
						RPD = 6.23	
14 gamma-Chlordane							
1	3.970	3.960	0.010	4734724	0.0500	0.0457	
2	4.723	4.717	0.006	6052239	0.0500	0.0507	
						RPD = 10.50	
15 alpha-Chlordane							
1	4.100	4.090	0.010	4471661	0.0500	0.0445	
2	4.873	4.867	0.006	5580790	0.0500	0.0501	
						RPD = 11.73	
16 4,4'-DDE							
1	4.193	4.187	0.006	4281096	0.0500	0.0440	
2	5.053	5.047	0.006	5495012	0.0500	0.0515	
						RPD = 15.65	
18 Endosulfan I							
1	4.230	4.220	0.010	3825940	0.0500	0.0452	
2	4.927	4.920	0.007	5109902	0.0500	0.0524	
						RPD = 14.82	
19 Dieldrin							
1	4.470	4.460	0.010	4031475	0.0500	0.0452	
2	5.207	5.200	0.007	5710709	0.0500	0.0514	
						RPD = 12.74	
20 Endrin							
1	4.703	4.693	0.010	3725465	0.0500	0.0521	
2	5.510	5.503	0.007	4787543	0.0500	0.0546	
						RPD = 4.57	
22 4,4'-DDD							
1	4.800	4.793	0.007	3508781	0.0500	0.0499	
2	5.640	5.633	0.007	4296575	0.0500	0.0488	
						RPD = 2.39	
23 Endosulfan II							
1	4.930	4.920	0.010	3732534	0.0500	0.0530	
2	5.723	5.717	0.006	4546692	0.0500	0.0506	
						RPD = 4.63	
26 4,4'-DDT							
1	5.090	5.080	0.010	3904132	0.0500	0.0501	
2	5.960	5.953	0.007	4096803	0.0500	0.0450	
						RPD = 10.71	
28 Endrin aldehyde							
1	5.360	5.350	0.010	3711636	0.0500	0.0547	
2	6.060	6.053	0.007	3487359	0.0500	0.0506	
						RPD = 7.73	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
29 Methoxychlor							
1	5.610	5.600	0.010	2096247	0.0500	0.0494	
2	6.647	6.640	0.007	1888274	0.0500	0.0468	
						RPD = 5.45	
30 Endosulfan sulfate							
1	5.803	5.790	0.013	4151813	0.0500	0.0471	
2	6.347	6.337	0.010	3941698	0.0500	0.0494	
						RPD = 4.84	
31 Endrin ketone							
1	6.080	6.067	0.013	4679108	0.0500	0.0453	
2	6.867	6.860	0.007	4385023	0.0500	0.0483	
						RPD = 6.42	
S 35 BHC, Total							
1						0.1777	
2						0.2094	
						RPD = 16.39	

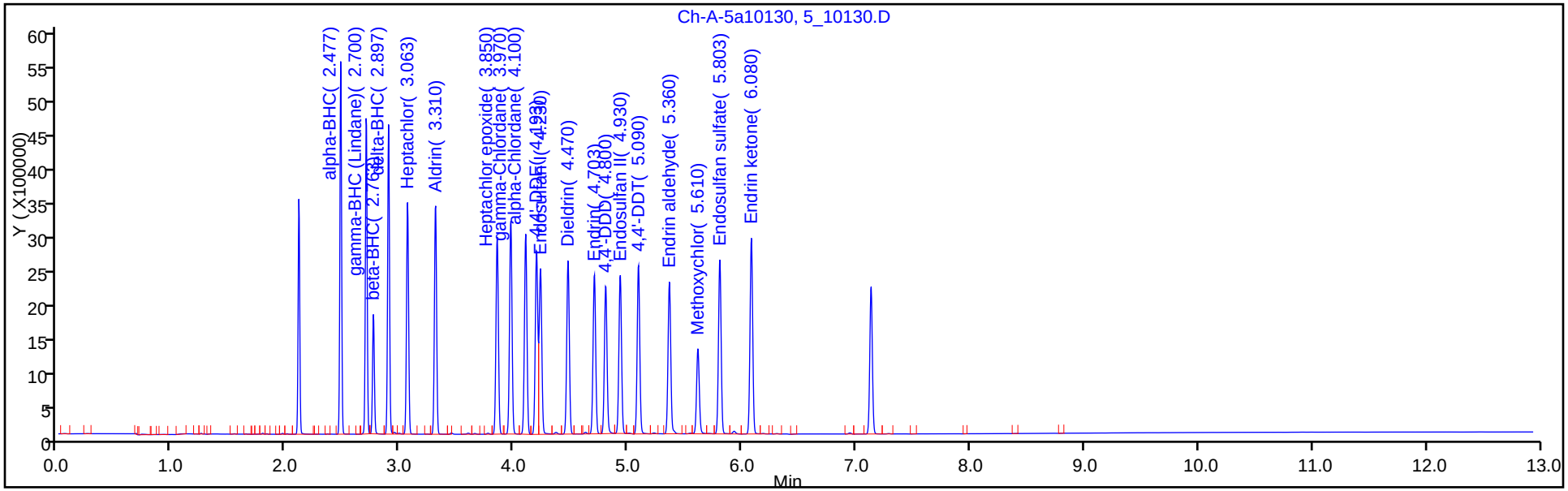
Report Date: 12-May-2014 12:38:44 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

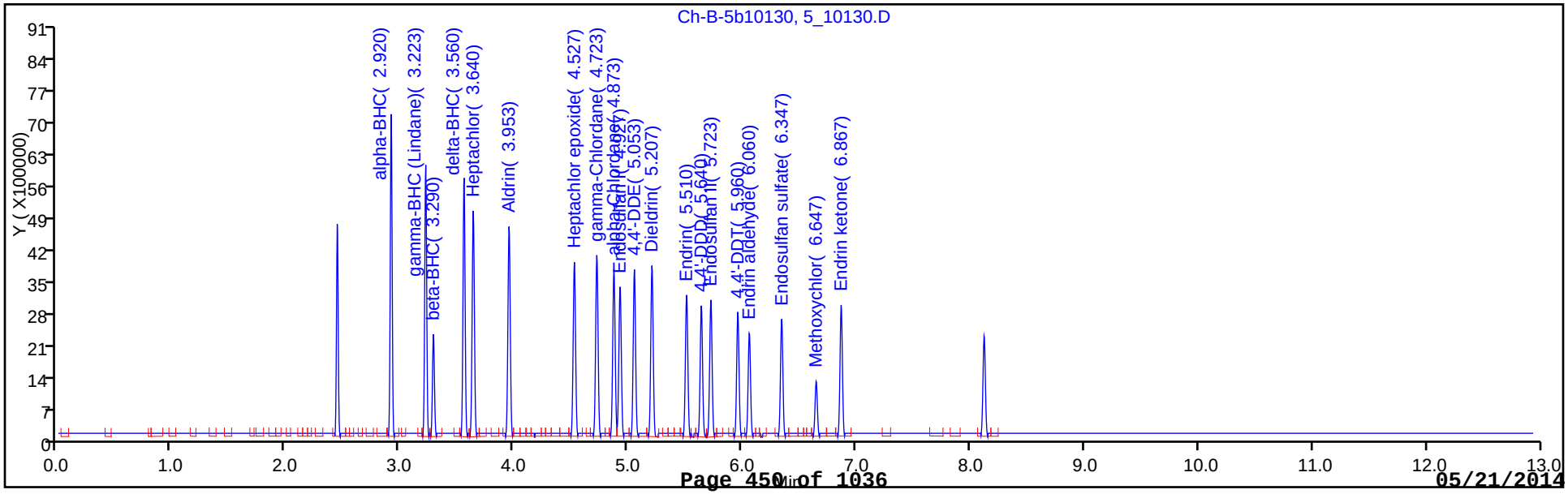
Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10130.D

Injection Date:	09-May-2014 16:11:19	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	ccv			Worklist Smp#:	24
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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.: 480-59386-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-180803/1-A

Matrix: Water Lab File ID: 5_10111.D

Analysis Method: 608 Date Collected:

Extraction Method: 3510C Date Extracted: 05/08/2014 07:12

Sample wt/vol: 1000(mL) Date Analyzed: 05/09/2014 10:22

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLPI ID: 0.53(mm)

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

Analysis Batch No.: 181144 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	49		23-120
877-09-8	Tetrachloro-m-xylene	66		36-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10111.D
Lims ID: MB 480-180803/1-A
Client ID:
Sample Type: MB
Inject. Date: 09-May-2014 10:22:42 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#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:04 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

First Level Reviewer: WolfL Date: 09-May-2014 10:48:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene							
1	2.110	2.103	0.007	948738	0.0200	0.0132	
2	2.443	2.443	0.000	1481182	0.0200	0.0164	
						RPD = 21.63	
$ 2 DCB Decachlorobiphenyl							
1	7.130	7.117	0.013	754824	0.0200	0.009710	
2	8.120	8.113	0.007	891362	0.0200	0.0127	
						RPD = 26.54	
3 Dechlorane Plus							
1	0.050	0.053	-0.003	10744		NC	
8 delta-BHC							
1	2.883	2.890	-0.007	17043		0.001761	
2	3.553	3.553	0.000	12253		0.001036	
						RPD = 51.84	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
22 4,4'-DDD							
1	4.783	4.793	-0.010	34044		0.001674	
2	5.633	5.633	0.000	15459		0.001042	
						RPD = 46.58	
S 35 BHC, Total							
1						0.001761	
2						0.001036	
						RPD = 51.84	

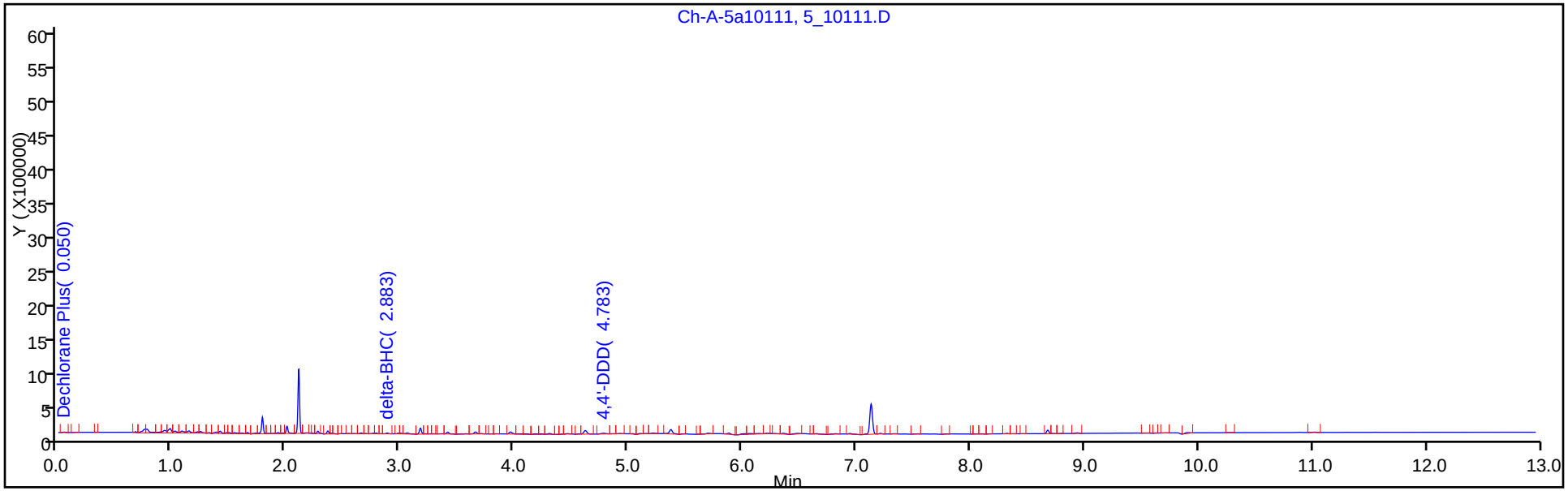
Report Date: 12-May-2014 12:38:07 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

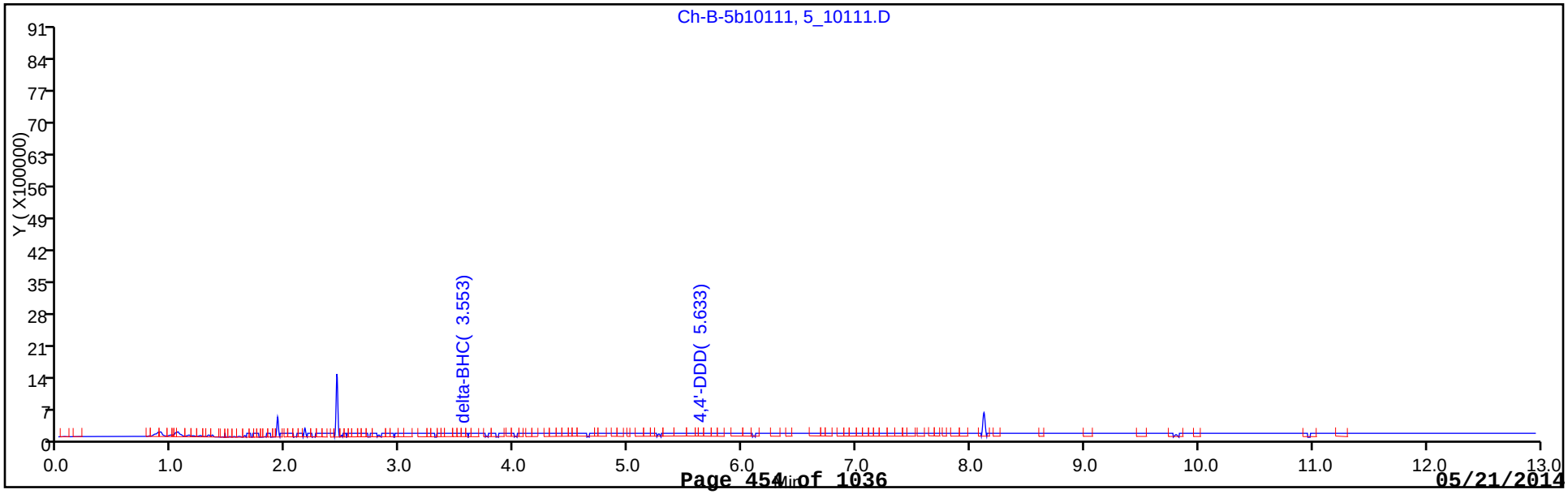
Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10111.D

Injection Date:	09-May-2014 10:22:42	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	MB 480-180803/1-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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.: 480-59386-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-180803/1-A

Matrix: Water | Lab File ID: 5_10111.D

Analysis Method: 608 | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/08/2014 07:12

Sample wt/vol: 1000(mL) | Date Analyzed: 05/09/2014 10:22

Con. Extract Vol.: 10(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.: 181144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	0.0104	J	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
319-85-7	beta-BHC	ND		0.050	0.025
57-74-9	Chlordane (technical)	ND		0.50	0.29
319-86-8	delta-BHC	0.0104	J	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
58-89-9	gamma-BHC (Lindane)	ND		0.050	0.0060
76-44-8	Heptachlor	ND		0.050	0.0085
1024-57-3	Heptachlor epoxide	ND		0.050	0.0053
8001-35-2	Toxaphene	ND		0.50	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	63		23-120
877-09-8	Tetrachloro-m-xylene	82		36-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10111.D
Lims ID: MB 480-180803/1-A
Client ID:
Sample Type: MB
Inject. Date: 09-May-2014 10:22:42 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#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:04 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

First Level Reviewer: WolfL Date: 09-May-2014 10:48:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene							
1	2.110	2.103	0.007	948738	0.0200	0.0132	
2	2.443	2.443	0.000	1481182	0.0200	0.0164	
						RPD = 21.63	
$ 2 DCB Decachlorobiphenyl							
1	7.130	7.117	0.013	754824	0.0200	0.009710	
2	8.120	8.113	0.007	891362	0.0200	0.0127	
						RPD = 26.54	
3 Dechlorane Plus							
1	0.050	0.053	-0.003	10744		NC	
8 delta-BHC							
1	2.883	2.890	-0.007	17043		0.001761	
2	3.553	3.553	0.000	12253		0.001036	
						RPD = 51.84	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
22 4,4'-DDD							
1	4.783	4.793	-0.010	34044		0.001674	
2	5.633	5.633	0.000	15459		0.001042	
						RPD = 46.58	
S 35 BHC, Total							
1						0.001761	
2						0.001036	
						RPD = 51.84	

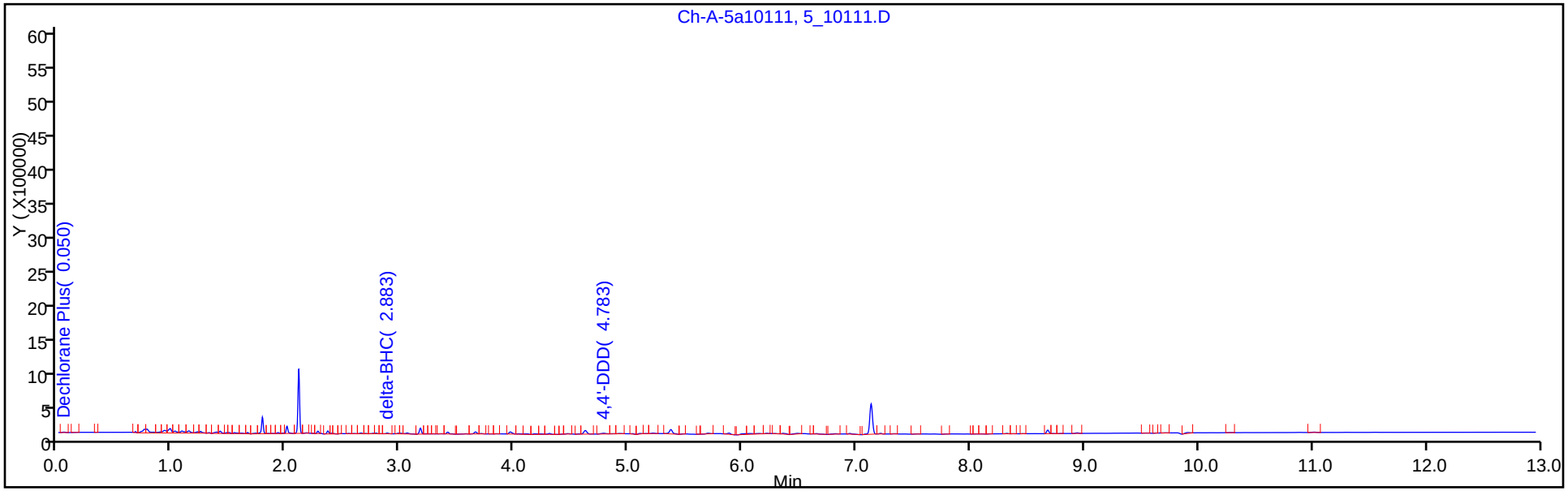
Report Date: 12-May-2014 12:38:07 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

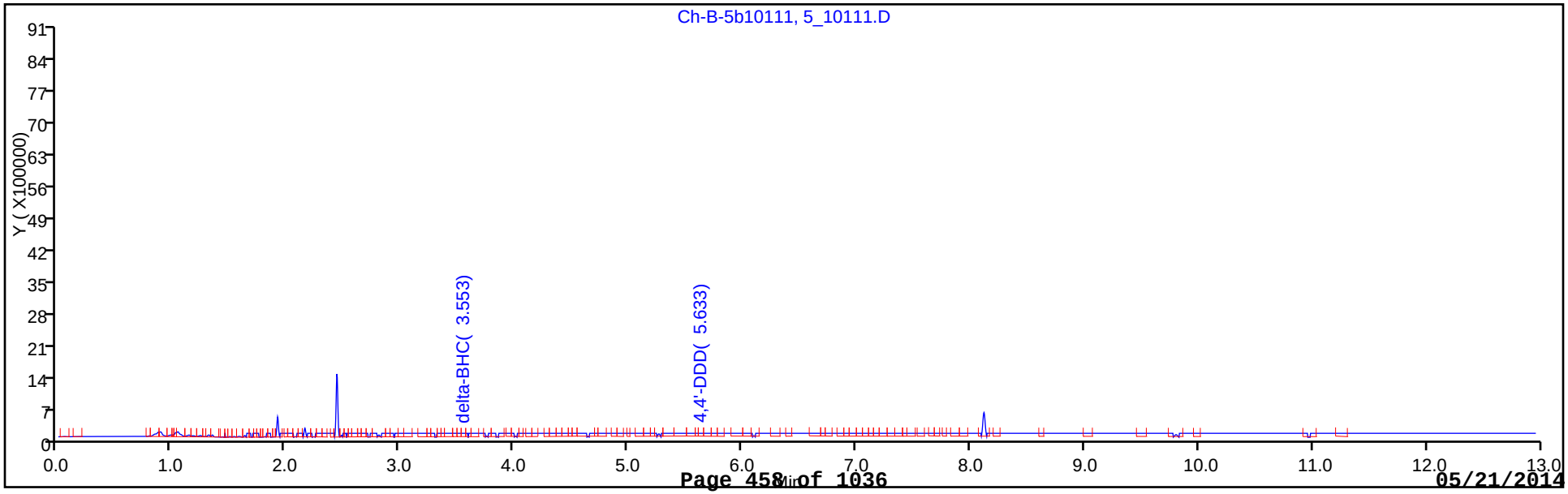
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Injection Date:	09-May-2014 10:22:42	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	MB 480-180803/1-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

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.: 480-59386-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-180803/2-A

Matrix: Water Lab File ID: 5_10112.D

Analysis Method: 608 Date Collected:

Extraction Method: 3510C Date Extracted: 05/08/2014 07:12

Sample wt/vol: 1000(mL) Date Analyzed: 05/09/2014 10:40

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLPI ID: 0.53(mm)

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

Analysis Batch No.: 181144 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	63		23-120
877-09-8	Tetrachloro-m-xylene	72		36-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10112.D
Lims ID: LCS 480-180803/2-A
Client ID:
Sample Type: LCS
Inject. Date: 09-May-2014 10:40:03 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#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:04 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene							
1	2.100	2.103	-0.003	1039053	0.0200	0.0143	
2	2.440	2.443	-0.003	1568100	0.0200	0.0173	
						RPD = 18.75	
$ 2 DCB Decachlorobiphenyl							
1	7.117	7.117	0.000	998002	0.0200	0.0125	
2	8.113	8.113	0.000	1017934	0.0200	0.0145	
						RPD = 14.31	
4 alpha-BHC							
1	2.470	2.470	0.000	5000621	0.0500	0.0387	
2	2.913	2.913	0.000	7595222	0.0500	0.0492	
						RPD = 23.79	
6 gamma-BHC (Lindane)							
1	2.693	2.693	0.000	4718443	0.0500	0.0409	
2	3.217	3.217	0.000	6909517	0.0500	0.0497	
						RPD = 19.63	
7 beta-BHC							
1	2.753	2.757	-0.004	1909032	0.0500	0.0436	
2	3.283	3.283	0.000	2810058	0.0500	0.0520	
						RPD = 17.53	
8 delta-BHC							
1	2.887	2.890	-0.003	4948864	0.0500	0.0422	
2	3.553	3.553	0.000	7113784	0.0500	0.0504	
						RPD = 17.60	
9 Heptachlor							
1	3.053	3.053	0.000	4162620	0.0500	0.0439	
2	3.633	3.633	0.000	6660816	0.0500	0.0506	
						RPD = 14.13	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
10 Aldrin							
1	3.300	3.300	0.000	3368496	0.0500	0.0381	
2	3.947	3.947	0.000	5048927	0.0500	0.0391	
						RPD = 2.69	
13 Heptachlor epoxide							
1	3.840	3.840	0.000	4215785	0.0500	0.0484	
2	4.520	4.520	0.000	5599244	0.0500	0.0512	
						RPD = 5.62	
14 gamma-Chlordane							
1	3.960	3.960	0.000	4523551	0.0500	0.0437	
2	4.717	4.717	0.000	5812505	0.0500	0.0487	
						RPD = 11.00	
15 alpha-Chlordane							
1	4.090	4.090	0.000	4412197	0.0500	0.0440	
2	4.867	4.867	0.000	5413982	0.0500	0.0486	
						RPD = 10.05	
16 4,4'-DDE							
1	4.183	4.187	-0.004	4255914	0.0500	0.0438	
2	5.047	5.047	0.000	4912831	0.0500	0.0462	
						RPD = 5.32	
18 Endosulfan I							
1	4.220	4.220	0.000	3688527	0.0500	0.0435	
2	4.920	4.920	0.000	4977538	0.0500	0.0510	
						RPD = 15.89	
19 Dieldrin							
1	4.460	4.460	0.000	4085537	0.0500	0.0458	
2	5.200	5.200	0.000	5693713	0.0500	0.0512	
						RPD = 11.13	
20 Endrin							
1	4.693	4.693	0.000	3883558	0.0500	0.0543	
2	5.503	5.503	0.000	4787217	0.0500	0.0546	
						RPD = 0.45	
22 4,4'-DDD							
1	4.790	4.793	-0.003	3589045	0.0500	0.0511	
2	5.633	5.633	0.000	4513954	0.0500	0.0512	
						RPD = 0.25	
23 Endosulfan II							
1	4.920	4.920	0.000	3737793	0.0500	0.0531	
2	5.717	5.717	0.000	4507836	0.0500	0.0502	
						RPD = 5.62	
26 4,4'-DDT							
1	5.080	5.080	0.000	4246991	0.0500	0.0544	
2	5.953	5.953	0.000	4266024	0.0500	0.0468	
						RPD = 14.95	
28 Endrin aldehyde							
1	5.350	5.350	0.000	3682346	0.0500	0.0542	
2	6.053	6.053	0.000	3495631	0.0500	0.0507	
						RPD = 6.70	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
29 Methoxychlor							
1	5.600	5.600	0.000	2255043	0.0500	0.0532	
2	6.640	6.640	0.000	2163781	0.0500	0.0535	
						RPD = 0.59	
30 Endosulfan sulfate							
1	5.793	5.790	0.003	4071285	0.0500	0.0462	
2	6.337	6.337	0.000	3788477	0.0500	0.0476	
						RPD = 2.91	
31 Endrin ketone							
1	6.070	6.067	0.003	4956974	0.0500	0.0480	
2	6.860	6.860	0.000	4542842	0.0500	0.0500	
						RPD = 4.08	

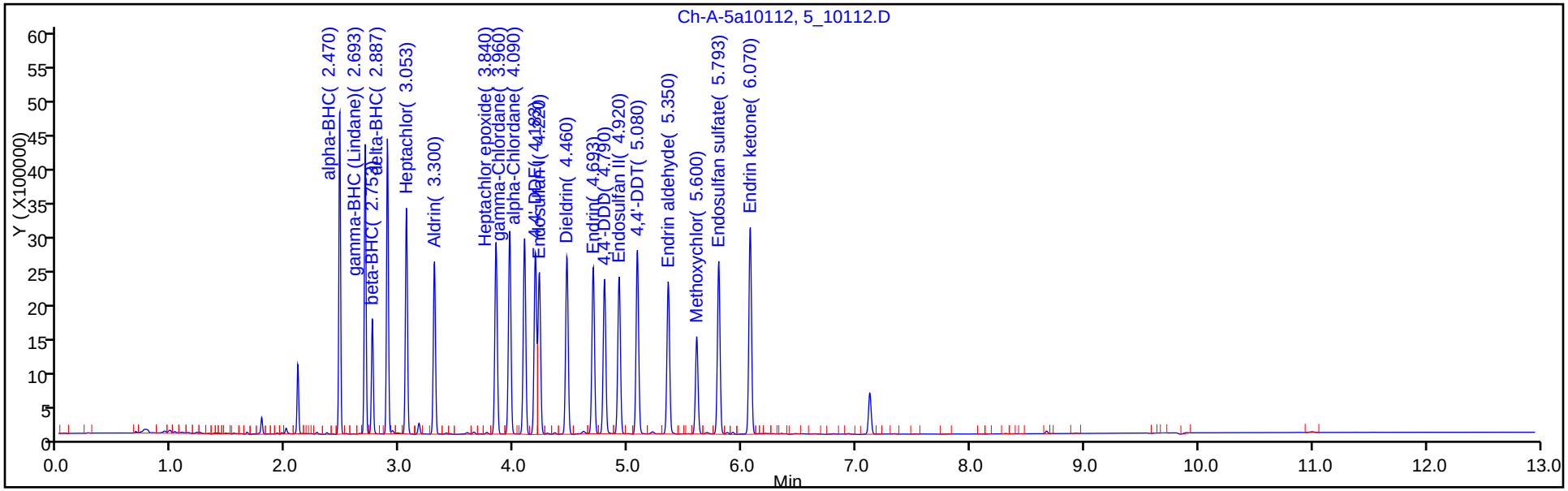
Report Date: 12-May-2014 12:38:09 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

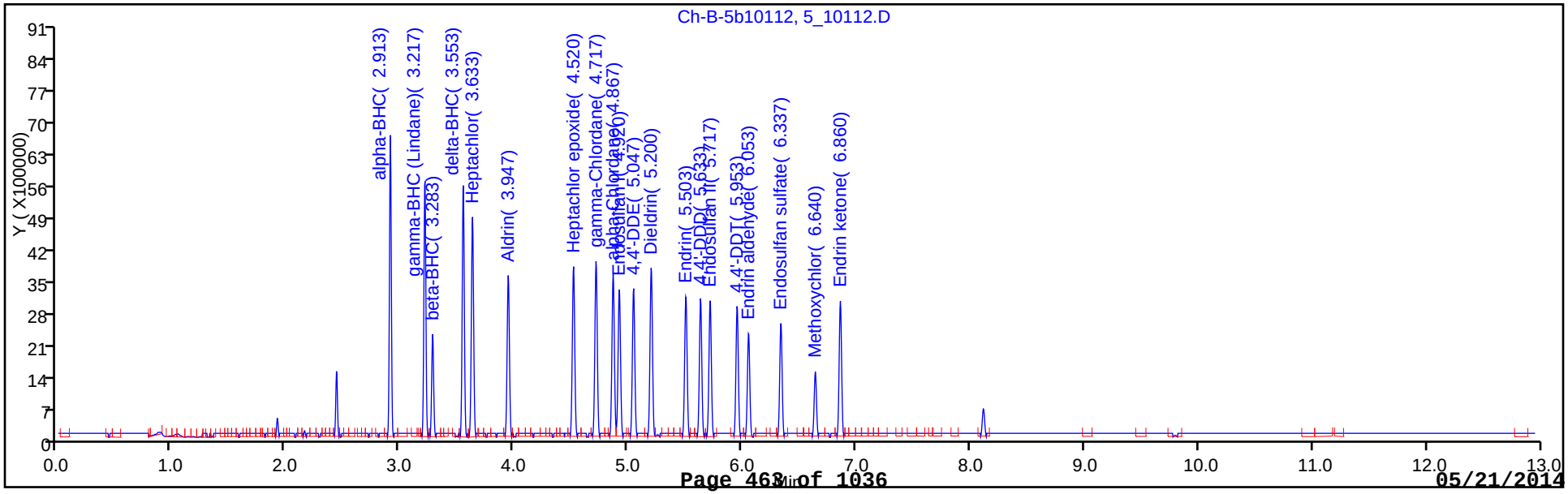
Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10112.D

Injection Date:	09-May-2014 10:40:03	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	LCS 480-180803/2-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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.: 480-59386-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-180803/2-A

Matrix: Water | Lab File ID: 5_10112.D

Analysis Method: 608 | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/08/2014 07:12

Sample wt/vol: 1000(mL) | Date Analyzed: 05/09/2014 10:40

Con. Extract Vol.: 10(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.: 181144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	0.512		0.050	0.0092
72-55-9	4,4'-DDE	0.462		0.050	0.012
50-29-3	4,4'-DDT	0.468		0.050	0.011
309-00-2	Aldrin	0.391		0.050	0.0066
319-84-6	alpha-BHC	0.492		0.050	0.0066
319-85-7	beta-BHC	0.520		0.050	0.025
319-86-8	delta-BHC	0.504		0.050	0.010
60-57-1	Dieldrin	0.512		0.050	0.0098
959-98-8	Endosulfan I	0.510		0.050	0.011
33213-65-9	Endosulfan II	0.502		0.050	0.012
1031-07-8	Endosulfan sulfate	0.476		0.050	0.016
72-20-8	Endrin	0.546		0.050	0.014
7421-93-4	Endrin aldehyde	0.507		0.050	0.016
58-89-9	gamma-BHC (Lindane)	0.497		0.050	0.0060
76-44-8	Heptachlor	0.506		0.050	0.0085
1024-57-3	Heptachlor epoxide	0.512		0.050	0.0053

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	72		23-120
877-09-8	Tetrachloro-m-xylene	87		36-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10112.D
Lims ID: LCS 480-180803/2-A
Client ID:
Sample Type: LCS
Inject. Date: 09-May-2014 10:40:03 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#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:04 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene							
1	2.100	2.103	-0.003	1039053	0.0200	0.0143	
2	2.440	2.443	-0.003	1568100	0.0200	0.0173	
						RPD = 18.75	
$ 2 DCB Decachlorobiphenyl							
1	7.117	7.117	0.000	998002	0.0200	0.0125	
2	8.113	8.113	0.000	1017934	0.0200	0.0145	
						RPD = 14.31	
4 alpha-BHC							
1	2.470	2.470	0.000	5000621	0.0500	0.0387	
2	2.913	2.913	0.000	7595222	0.0500	0.0492	
						RPD = 23.79	
6 gamma-BHC (Lindane)							
1	2.693	2.693	0.000	4718443	0.0500	0.0409	
2	3.217	3.217	0.000	6909517	0.0500	0.0497	
						RPD = 19.63	
7 beta-BHC							
1	2.753	2.757	-0.004	1909032	0.0500	0.0436	
2	3.283	3.283	0.000	2810058	0.0500	0.0520	
						RPD = 17.53	
8 delta-BHC							
1	2.887	2.890	-0.003	4948864	0.0500	0.0422	
2	3.553	3.553	0.000	7113784	0.0500	0.0504	
						RPD = 17.60	
9 Heptachlor							
1	3.053	3.053	0.000	4162620	0.0500	0.0439	
2	3.633	3.633	0.000	6660816	0.0500	0.0506	
						RPD = 14.13	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
10 Aldrin							
1	3.300	3.300	0.000	3368496	0.0500	0.0381	
2	3.947	3.947	0.000	5048927	0.0500	0.0391	
						RPD = 2.69	
13 Heptachlor epoxide							
1	3.840	3.840	0.000	4215785	0.0500	0.0484	
2	4.520	4.520	0.000	5599244	0.0500	0.0512	
						RPD = 5.62	
14 gamma-Chlordane							
1	3.960	3.960	0.000	4523551	0.0500	0.0437	
2	4.717	4.717	0.000	5812505	0.0500	0.0487	
						RPD = 11.00	
15 alpha-Chlordane							
1	4.090	4.090	0.000	4412197	0.0500	0.0440	
2	4.867	4.867	0.000	5413982	0.0500	0.0486	
						RPD = 10.05	
16 4,4'-DDE							
1	4.183	4.187	-0.004	4255914	0.0500	0.0438	
2	5.047	5.047	0.000	4912831	0.0500	0.0462	
						RPD = 5.32	
18 Endosulfan I							
1	4.220	4.220	0.000	3688527	0.0500	0.0435	
2	4.920	4.920	0.000	4977538	0.0500	0.0510	
						RPD = 15.89	
19 Dieldrin							
1	4.460	4.460	0.000	4085537	0.0500	0.0458	
2	5.200	5.200	0.000	5693713	0.0500	0.0512	
						RPD = 11.13	
20 Endrin							
1	4.693	4.693	0.000	3883558	0.0500	0.0543	
2	5.503	5.503	0.000	4787217	0.0500	0.0546	
						RPD = 0.45	
22 4,4'-DDD							
1	4.790	4.793	-0.003	3589045	0.0500	0.0511	
2	5.633	5.633	0.000	4513954	0.0500	0.0512	
						RPD = 0.25	
23 Endosulfan II							
1	4.920	4.920	0.000	3737793	0.0500	0.0531	
2	5.717	5.717	0.000	4507836	0.0500	0.0502	
						RPD = 5.62	
26 4,4'-DDT							
1	5.080	5.080	0.000	4246991	0.0500	0.0544	
2	5.953	5.953	0.000	4266024	0.0500	0.0468	
						RPD = 14.95	
28 Endrin aldehyde							
1	5.350	5.350	0.000	3682346	0.0500	0.0542	
2	6.053	6.053	0.000	3495631	0.0500	0.0507	
						RPD = 6.70	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
29 Methoxychlor							
1	5.600	5.600	0.000	2255043	0.0500	0.0532	
2	6.640	6.640	0.000	2163781	0.0500	0.0535	
						RPD = 0.59	
30 Endosulfan sulfate							
1	5.793	5.790	0.003	4071285	0.0500	0.0462	
2	6.337	6.337	0.000	3788477	0.0500	0.0476	
						RPD = 2.91	
31 Endrin ketone							
1	6.070	6.067	0.003	4956974	0.0500	0.0480	
2	6.860	6.860	0.000	4542842	0.0500	0.0500	
						RPD = 4.08	

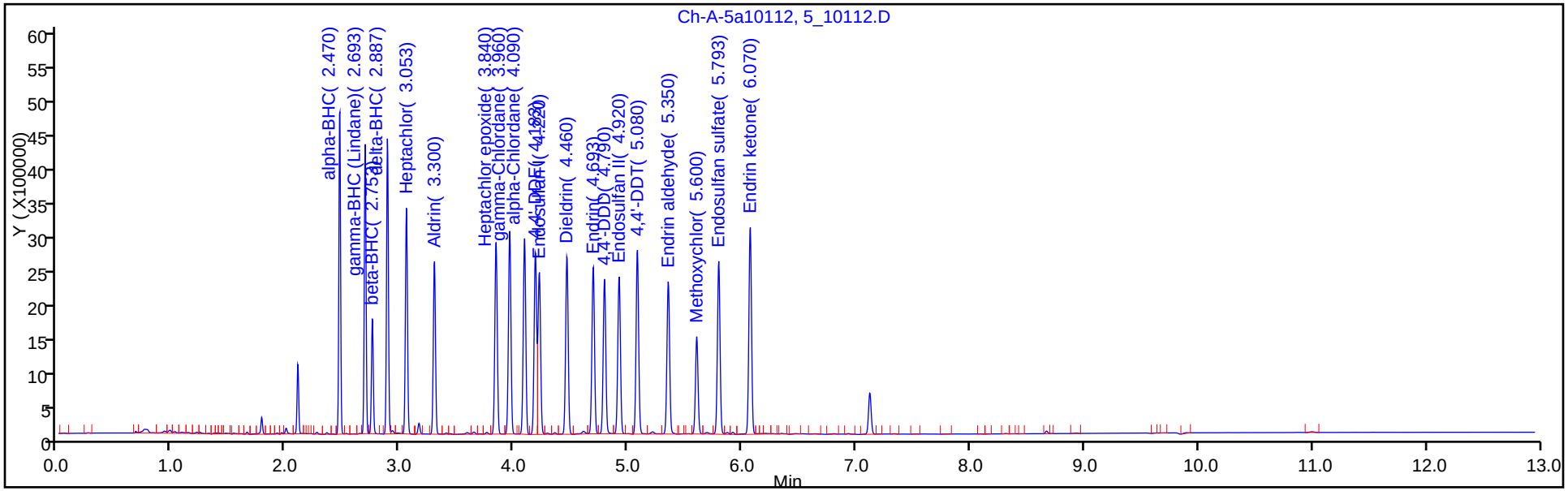
Report Date: 12-May-2014 12:38:09 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

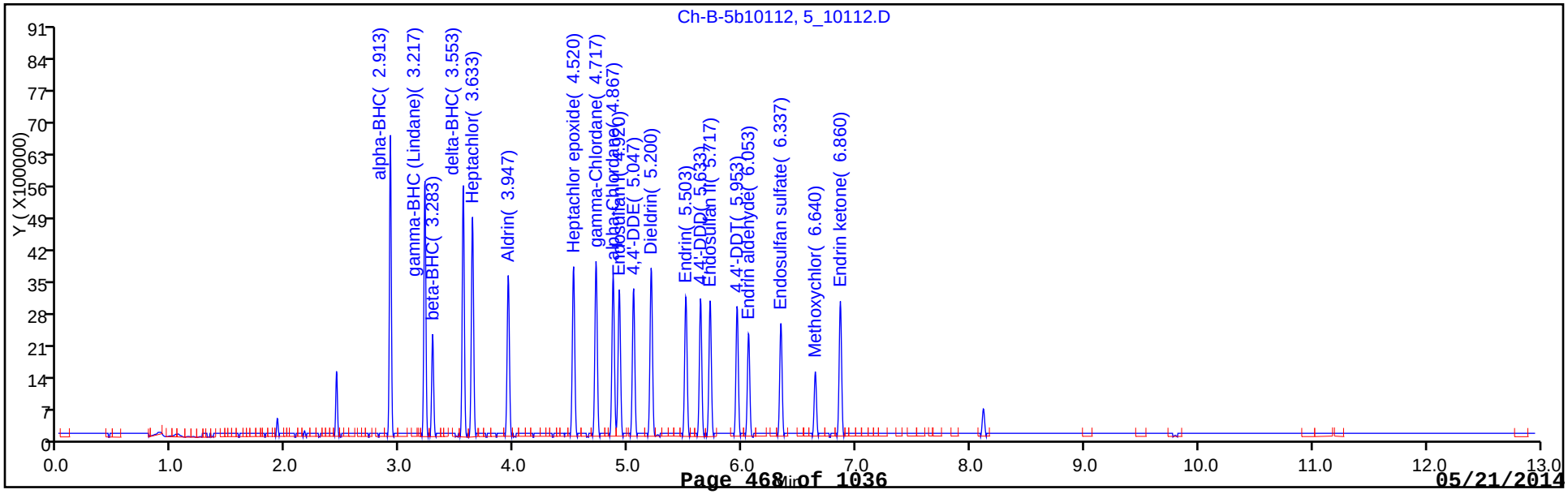
Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10112.D

Injection Date:	09-May-2014 10:40:03	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	LCS 480-180803/2-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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.: 480-59386-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 480-180803/3-A

Matrix: Water Lab File ID: 5_10113.D

Analysis Method: 608 Date Collected:

Extraction Method: 3510C Date Extracted: 05/08/2014 07:12

Sample wt/vol: 1000(mL) Date Analyzed: 05/09/2014 10:57

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLPI ID: 0.53(mm)

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

Analysis Batch No.: 181144 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	34		23-120
877-09-8	Tetrachloro-m-xylene	74		36-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10113.D
Lims ID: LCSD 480-180803/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 09-May-2014 10:57:31 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#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:04 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene							
1	2.103	2.103	0.000	1070603	0.0200	0.0147	
2	2.443	2.443	0.000	1626669	0.0200	0.0179	
						RPD = 19.51	
$ 2 DCB Decachlorobiphenyl							
1	7.117	7.117	0.000	507431	0.0200	0.006824	
2	8.113	8.113	0.000	900448	0.0200	0.0128	
						RPD = 60.98	
4 alpha-BHC							
1	2.470	2.470	0.000	5004896	0.0500	0.0387	
2	2.913	2.913	0.000	7642260	0.0500	0.0495	
						RPD = 24.30	
6 gamma-BHC (Lindane)							
1	2.693	2.693	0.000	4738918	0.0500	0.0410	
2	3.217	3.217	0.000	6967530	0.0500	0.0502	
						RPD = 20.03	
7 beta-BHC							
1	2.757	2.757	0.000	1923994	0.0500	0.0440	
2	3.283	3.283	0.000	2850631	0.0500	0.0528	
						RPD = 18.18	
8 delta-BHC							
1	2.887	2.890	-0.003	4926290	0.0500	0.0420	
2	3.553	3.553	0.000	7163907	0.0500	0.0507	
						RPD = 18.72	
9 Heptachlor							
1	3.053	3.053	0.000	4093490	0.0500	0.0432	
2	3.633	3.633	0.000	6518611	0.0500	0.0495	
						RPD = 13.64	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
10 Aldrin							
1	3.300	3.300	0.000	3558508	0.0500	0.0402	
2	3.947	3.947	0.000	5324708	0.0500	0.0412	
						RPD = 2.58	
13 Heptachlor epoxide							
1	3.840	3.840	0.000	4201557	0.0500	0.0483	
2	4.520	4.520	0.000	5618414	0.0500	0.0514	
						RPD = 6.29	
14 gamma-Chlordane							
1	3.960	3.960	0.000	4479268	0.0500	0.0432	
2	4.717	4.717	0.000	5712923	0.0500	0.0479	
						RPD = 10.27	
15 alpha-Chlordane							
1	4.090	4.090	0.000	4338470	0.0500	0.0432	
2	4.867	4.867	0.000	5291093	0.0500	0.0475	
						RPD = 9.45	
16 4,4'-DDE							
1	4.183	4.187	-0.004	4112626	0.0500	0.0424	
2	5.047	5.047	0.000	4743158	0.0500	0.0446	
						RPD = 5.21	
18 Endosulfan I							
1	4.220	4.220	0.000	3686902	0.0500	0.0435	
2	4.920	4.920	0.000	4998785	0.0500	0.0512	
						RPD = 16.35	
19 Dieldrin							
1	4.460	4.460	0.000	4064483	0.0500	0.0456	
2	5.200	5.200	0.000	5671001	0.0500	0.0510	
						RPD = 11.25	
20 Endrin							
1	4.693	4.693	0.000	3842701	0.0500	0.0538	
2	5.503	5.503	0.000	4835594	0.0500	0.0551	
						RPD = 2.49	
22 4,4'-DDD							
1	4.790	4.793	-0.003	3461101	0.0500	0.0493	
2	5.633	5.633	0.000	4390680	0.0500	0.0498	
						RPD = 1.08	
23 Endosulfan II							
1	4.920	4.920	0.000	3717141	0.0500	0.0528	
2	5.717	5.717	0.000	4514655	0.0500	0.0502	
						RPD = 4.92	
26 4,4'-DDT							
1	5.077	5.080	-0.003	4042593	0.0500	0.0518	
2	5.953	5.953	0.000	4067142	0.0500	0.0447	
						RPD = 14.79	
28 Endrin aldehyde							
1	5.350	5.350	0.000	3696795	0.0500	0.0545	
2	6.053	6.053	0.000	3533988	0.0500	0.0513	
						RPD = 6.01	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
29 Methoxychlor							
1	5.600	5.600	0.000	2189817	0.0500	0.0516	
2	6.640	6.640	0.000	2131319	0.0500	0.0527	
						RPD = 2.06	
30 Endosulfan sulfate							
1	5.790	5.790	0.000	4100332	0.0500	0.0465	
2	6.337	6.337	0.000	3846848	0.0500	0.0483	
						RPD = 3.70	
31 Endrin ketone							
1	6.067	6.067	0.000	4887907	0.0500	0.0473	
2	6.860	6.860	0.000	4542878	0.0500	0.0500	
						RPD = 5.50	

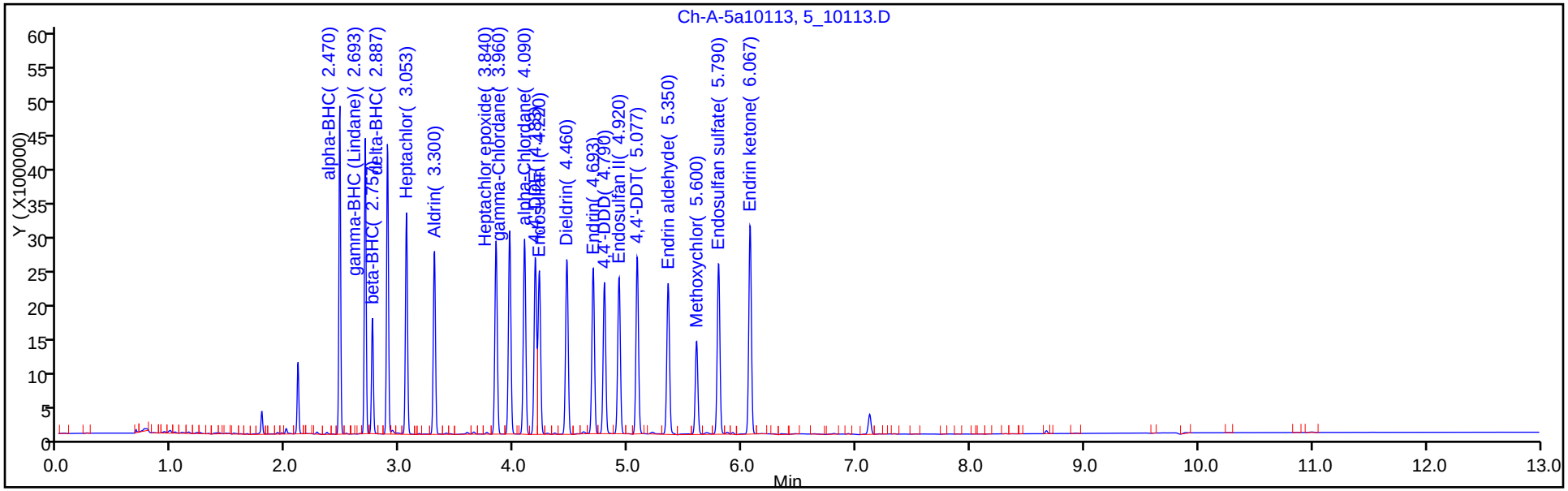
Report Date: 12-May-2014 12:38:11 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

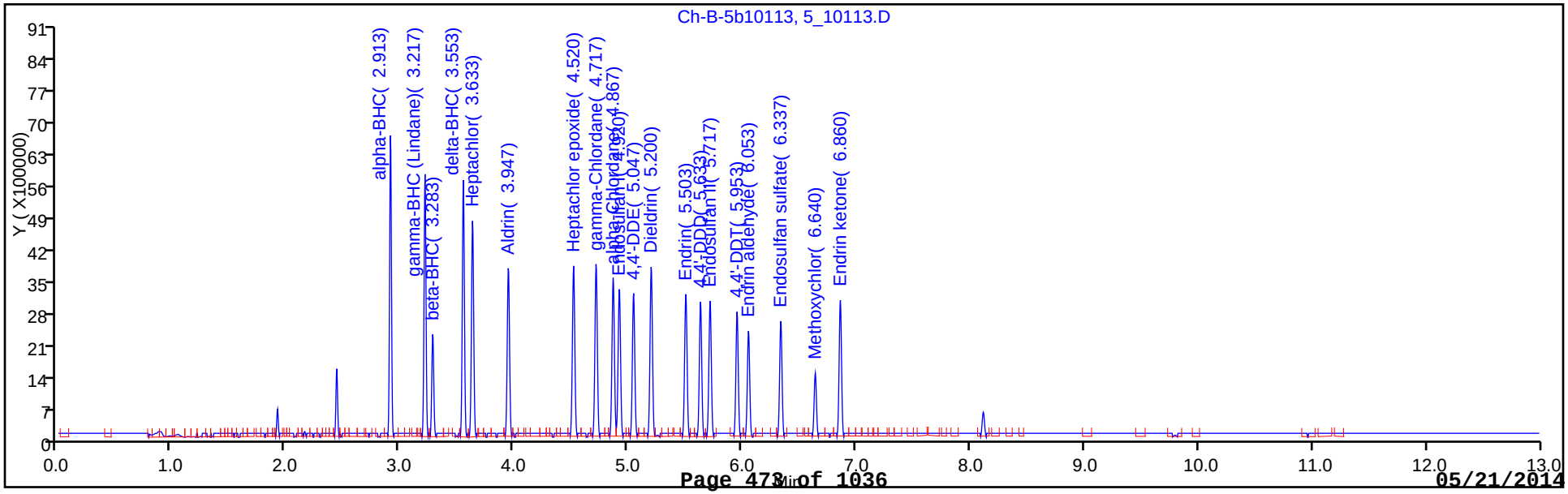
Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10113.D

Injection Date:	09-May-2014 10:57:31	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	LCSD 480-180803/3-A			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest 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.: 480-59386-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 480-180803/3-A

Matrix: Water | Lab File ID: 5_10113.D

Analysis Method: 608 | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/08/2014 07:12

Sample wt/vol: 1000(mL) | Date Analyzed: 05/09/2014 10:57

Con. Extract Vol.: 10(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.: 181144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	0.498		0.050	0.0092
72-55-9	4,4'-DDE	0.446		0.050	0.012
50-29-3	4,4'-DDT	0.447		0.050	0.011
309-00-2	Aldrin	0.412		0.050	0.0066
319-84-6	alpha-BHC	0.495		0.050	0.0066
319-85-7	beta-BHC	0.528		0.050	0.025
319-86-8	delta-BHC	0.507		0.050	0.010
60-57-1	Dieldrin	0.510		0.050	0.0098
959-98-8	Endosulfan I	0.512		0.050	0.011
33213-65-9	Endosulfan II	0.502		0.050	0.012
1031-07-8	Endosulfan sulfate	0.483		0.050	0.016
72-20-8	Endrin	0.551		0.050	0.014
7421-93-4	Endrin aldehyde	0.513		0.050	0.016
58-89-9	gamma-BHC (Lindane)	0.502		0.050	0.0060
76-44-8	Heptachlor	0.495		0.050	0.0085
1024-57-3	Heptachlor epoxide	0.514		0.050	0.0053

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	64		23-120
877-09-8	Tetrachloro-m-xylene	90		36-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\5_10113.D
Lims ID: LCSD 480-180803/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 09-May-2014 10:57:31 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#, CN10520009
Operator ID: buftchrom Instrument ID: HP6890-5

Method: \\Bufchrom\ChromData\HP6890-05\20140509-31941.b\8081-5.m
Limit Group: GC - 608 Pest ICAL
Last Update: 12-May-2014 12:38:04 Calib Date: 27-Mar-2014 19:29:41
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20140326-30487.b\5__7098.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK027

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
$ 1 Tetrachloro-m-xylene							
1	2.103	2.103	0.000	1070603	0.0200	0.0147	
2	2.443	2.443	0.000	1626669	0.0200	0.0179	
						RPD = 19.51	
$ 2 DCB Decachlorobiphenyl							
1	7.117	7.117	0.000	507431	0.0200	0.006824	
2	8.113	8.113	0.000	900448	0.0200	0.0128	
						RPD = 60.98	
4 alpha-BHC							
1	2.470	2.470	0.000	5004896	0.0500	0.0387	
2	2.913	2.913	0.000	7642260	0.0500	0.0495	
						RPD = 24.30	
6 gamma-BHC (Lindane)							
1	2.693	2.693	0.000	4738918	0.0500	0.0410	
2	3.217	3.217	0.000	6967530	0.0500	0.0502	
						RPD = 20.03	
7 beta-BHC							
1	2.757	2.757	0.000	1923994	0.0500	0.0440	
2	3.283	3.283	0.000	2850631	0.0500	0.0528	
						RPD = 18.18	
8 delta-BHC							
1	2.887	2.890	-0.003	4926290	0.0500	0.0420	
2	3.553	3.553	0.000	7163907	0.0500	0.0507	
						RPD = 18.72	
9 Heptachlor							
1	3.053	3.053	0.000	4093490	0.0500	0.0432	
2	3.633	3.633	0.000	6518611	0.0500	0.0495	
						RPD = 13.64	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
10 Aldrin							
1	3.300	3.300	0.000	3558508	0.0500	0.0402	
2	3.947	3.947	0.000	5324708	0.0500	0.0412	
						RPD = 2.58	
13 Heptachlor epoxide							
1	3.840	3.840	0.000	4201557	0.0500	0.0483	
2	4.520	4.520	0.000	5618414	0.0500	0.0514	
						RPD = 6.29	
14 gamma-Chlordane							
1	3.960	3.960	0.000	4479268	0.0500	0.0432	
2	4.717	4.717	0.000	5712923	0.0500	0.0479	
						RPD = 10.27	
15 alpha-Chlordane							
1	4.090	4.090	0.000	4338470	0.0500	0.0432	
2	4.867	4.867	0.000	5291093	0.0500	0.0475	
						RPD = 9.45	
16 4,4'-DDE							
1	4.183	4.187	-0.004	4112626	0.0500	0.0424	
2	5.047	5.047	0.000	4743158	0.0500	0.0446	
						RPD = 5.21	
18 Endosulfan I							
1	4.220	4.220	0.000	3686902	0.0500	0.0435	
2	4.920	4.920	0.000	4998785	0.0500	0.0512	
						RPD = 16.35	
19 Dieldrin							
1	4.460	4.460	0.000	4064483	0.0500	0.0456	
2	5.200	5.200	0.000	5671001	0.0500	0.0510	
						RPD = 11.25	
20 Endrin							
1	4.693	4.693	0.000	3842701	0.0500	0.0538	
2	5.503	5.503	0.000	4835594	0.0500	0.0551	
						RPD = 2.49	
22 4,4'-DDD							
1	4.790	4.793	-0.003	3461101	0.0500	0.0493	
2	5.633	5.633	0.000	4390680	0.0500	0.0498	
						RPD = 1.08	
23 Endosulfan II							
1	4.920	4.920	0.000	3717141	0.0500	0.0528	
2	5.717	5.717	0.000	4514655	0.0500	0.0502	
						RPD = 4.92	
26 4,4'-DDT							
1	5.077	5.080	-0.003	4042593	0.0500	0.0518	
2	5.953	5.953	0.000	4067142	0.0500	0.0447	
						RPD = 14.79	
28 Endrin aldehyde							
1	5.350	5.350	0.000	3696795	0.0500	0.0545	
2	6.053	6.053	0.000	3533988	0.0500	0.0513	
						RPD = 6.01	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/ul	OnCol Amt ng/ul	Flags
29 Methoxychlor							
1	5.600	5.600	0.000	2189817	0.0500	0.0516	
2	6.640	6.640	0.000	2131319	0.0500	0.0527	
						RPD = 2.06	
30 Endosulfan sulfate							
1	5.790	5.790	0.000	4100332	0.0500	0.0465	
2	6.337	6.337	0.000	3846848	0.0500	0.0483	
						RPD = 3.70	
31 Endrin ketone							
1	6.067	6.067	0.000	4887907	0.0500	0.0473	
2	6.860	6.860	0.000	4542878	0.0500	0.0500	
						RPD = 5.50	

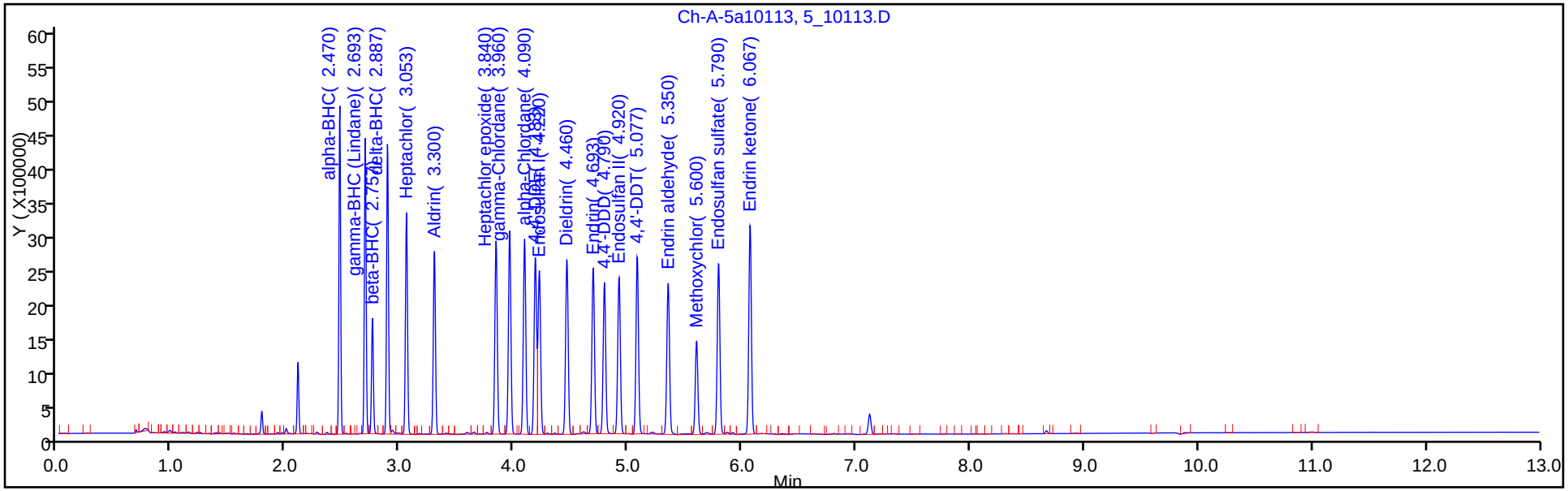
Report Date: 12-May-2014 12:38:11 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

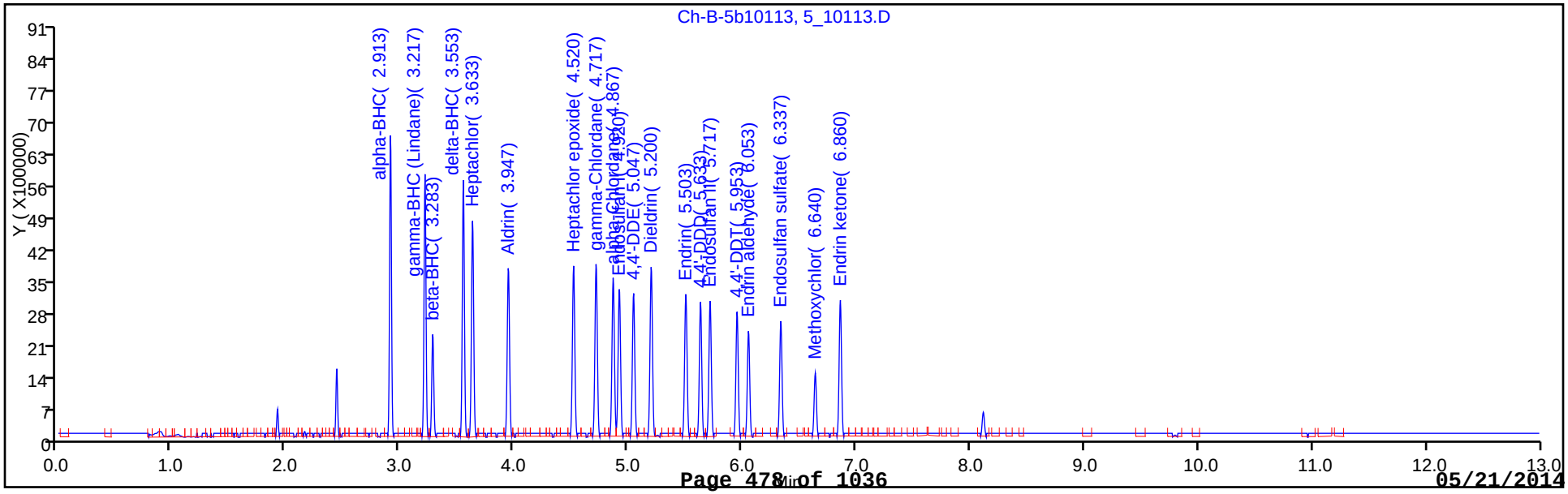
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Injection Date:	09-May-2014 10:57:31	Instrument ID:	HP6890-5	Operator ID:	buftchrom
Lims ID:	LCSD 480-180803/3-A			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-5	Limit Group:	GC - 608 Pest ICAL		

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.: 480-59386-1

SDG No.:

Instrument ID: HP6890-5 Start Date: 03/26/2014 13:21

Analysis Batch Number: 172071 End Date: 03/27/2014 19:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD 480-172071/6 IC		03/26/2014 13:21	1	5__7073.D	RTX-CLPI 0.53(mm)
STD 480-172071/6 IC		03/26/2014 13:21	1	5__7073.D	RTX-CLPII 0.53(mm)
STD 480-172071/7 IC		03/26/2014 13:39	1	5__7074.D	RTX-CLPI 0.53(mm)
STD 480-172071/7 IC		03/26/2014 13:39	1	5__7074.D	RTX-CLPII 0.53(mm)
STD 480-172071/8 IC		03/26/2014 13:56	1	5__7075.D	RTX-CLPI 0.53(mm)
STD 480-172071/8 IC		03/26/2014 13:56	1	5__7075.D	RTX-CLPII 0.53(mm)
STD 480-172071/9 IC		03/26/2014 14:14	1	5__7076.D	RTX-CLPI 0.53(mm)
STD 480-172071/9 IC		03/26/2014 14:14	1	5__7076.D	RTX-CLPII 0.53(mm)
STD 480-172071/10 IC		03/26/2014 14:32	1	5__7077.D	RTX-CLPI 0.53(mm)
STD 480-172071/10 IC		03/26/2014 14:32	1	5__7077.D	RTX-CLPII 0.53(mm)
ICV 480-172071/11		03/26/2014 14:49	1		RTX-CLPI 0.53(mm)
ICV 480-172071/11		03/26/2014 14:49	1		RTX-CLPII 0.53(mm)
STD 480-172071/15 IC		03/27/2014 14:46	1	5__7082.D	RTX-CLPI 0.53(mm)
STD 480-172071/15 IC		03/27/2014 14:46	1	5__7082.D	RTX-CLPII 0.53(mm)
STD 480-172071/16 IC		03/27/2014 15:04	1	5__7083.D	RTX-CLPI 0.53(mm)
STD 480-172071/16 IC		03/27/2014 15:04	1	5__7083.D	RTX-CLPII 0.53(mm)
STD 480-172071/17 IC		03/27/2014 15:22	1	5__7084.D	RTX-CLPI 0.53(mm)
STD 480-172071/17 IC		03/27/2014 15:22	1	5__7084.D	RTX-CLPII 0.53(mm)
STD 480-172071/18 IC		03/27/2014 15:39	1	5__7085.D	RTX-CLPI 0.53(mm)
STD 480-172071/18 IC		03/27/2014 15:39	1	5__7085.D	RTX-CLPII 0.53(mm)
STD 480-172071/19 IC		03/27/2014 15:57	1	5__7086.D	RTX-CLPI 0.53(mm)
STD 480-172071/19 IC		03/27/2014 15:57	1	5__7086.D	RTX-CLPII 0.53(mm)
ICV 480-172071/20		03/27/2014 16:15	1		RTX-CLPI 0.53(mm)
ICV 480-172071/20		03/27/2014 16:15	1		RTX-CLPII 0.53(mm)
STD 480-172071/21 IC		03/27/2014 16:32	1		RTX-CLPI 0.53(mm)
STD 480-172071/21 IC		03/27/2014 16:32	1		RTX-CLPII 0.53(mm)
STD 480-172071/22 IC		03/27/2014 16:50	1		RTX-CLPI 0.53(mm)
STD 480-172071/22 IC		03/27/2014 16:50	1		RTX-CLPII 0.53(mm)
STD 480-172071/23 IC		03/27/2014 17:08	1		RTX-CLPI 0.53(mm)
STD 480-172071/23 IC		03/27/2014 17:08	1		RTX-CLPII 0.53(mm)
STD 480-172071/24 IC		03/27/2014 17:25	1		RTX-CLPI 0.53(mm)
STD 480-172071/24 IC		03/27/2014 17:25	1		RTX-CLPII 0.53(mm)
STD 480-172071/25 IC		03/27/2014 17:43	1		RTX-CLPI 0.53(mm)
STD 480-172071/25 IC		03/27/2014 17:43	1		RTX-CLPII 0.53(mm)
ICV 480-172071/26		03/27/2014 18:01	1		RTX-CLPI 0.53(mm)
ICV 480-172071/26		03/27/2014 18:01	1		RTX-CLPII 0.53(mm)
STD 480-172071/27 IC		03/27/2014 18:19	1	5__7094.D	RTX-CLPI 0.53(mm)
STD 480-172071/27 IC		03/27/2014 18:19	1	5__7094.D	RTX-CLPII 0.53(mm)
STD 480-172071/28 IC		03/27/2014 18:36	1	5__7095.D	RTX-CLPI 0.53(mm)
STD 480-172071/28 IC		03/27/2014 18:36	1	5__7095.D	RTX-CLPII 0.53(mm)
STD 480-172071/29 IC		03/27/2014 18:54	1	5__7096.D	RTX-CLPI 0.53(mm)
STD 480-172071/29 IC		03/27/2014 18:54	1	5__7096.D	RTX-CLPII 0.53(mm)
STD 480-172071/30 IC		03/27/2014 19:12	1	5__7097.D	RTX-CLPI 0.53(mm)
STD 480-172071/30 IC		03/27/2014 19:12	1	5__7097.D	RTX-CLPII 0.53(mm)
STD 480-172071/31 IC		03/27/2014 19:29	1	5__7098.D	RTX-CLPI 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: HP6890-5 Start Date: 03/26/2014 13:21

Analysis Batch Number: 172071 End Date: 03/27/2014 19:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD 480-172071/31 IC		03/27/2014 19:29	1	5__7098.D	RTX-CLPII 0.53(mm)
ICV 480-172071/32		03/27/2014 19:47	1		RTX-CLPI 0.53(mm)
ICV 480-172071/32		03/27/2014 19:47	1		RTX-CLPII 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: HP6890-5 Start Date: 05/09/2014 09:36

Analysis Batch Number: 181144 End Date: 05/09/2014 16:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 480-181144/3		05/09/2014 09:36	1	5_10109.D	RTX-CLPI 0.53(mm)
PEM 480-181144/3		05/09/2014 09:36	1	5_10109.D	RTX-CLPII 0.53(mm)
CCV 480-181144/4		05/09/2014 09:54	1	5_10110.D	RTX-CLPI 0.53(mm)
CCV 480-181144/4		05/09/2014 09:54	1	5_10110.D	RTX-CLPII 0.53(mm)
MB 480-180803/1-A		05/09/2014 10:22	1	5_10111.D	RTX-CLPI 0.53(mm)
MB 480-180803/1-A		05/09/2014 10:22	1	5_10111.D	RTX-CLPII 0.53(mm)
LCS 480-180803/2-A		05/09/2014 10:40	1	5_10112.D	RTX-CLPI 0.53(mm)
LCS 480-180803/2-A		05/09/2014 10:40	1	5_10112.D	RTX-CLPII 0.53(mm)
LCSD 480-180803/3-A		05/09/2014 10:57	1	5_10113.D	RTX-CLPI 0.53(mm)
LCSD 480-180803/3-A		05/09/2014 10:57	1	5_10113.D	RTX-CLPII 0.53(mm)
ZZZZZ		05/09/2014 13:00	1		RTX-CLPI 0.53(mm)
ZZZZZ		05/09/2014 13:00	1		RTX-CLPII 0.53(mm)
CCV 480-181144/15		05/09/2014 13:17	1	5_10121.D	RTX-CLPI 0.53(mm)
CCV 480-181144/15		05/09/2014 13:17	1	5_10121.D	RTX-CLPII 0.53(mm)
CCV 480-181144/16		05/09/2014 13:35	1	5_10122.D	RTX-CLPI 0.53(mm)
CCV 480-181144/16		05/09/2014 13:35	1	5_10122.D	RTX-CLPII 0.53(mm)
ZZZZZ		05/09/2014 14:26	1		RTX-CLPI 0.53(mm)
ZZZZZ		05/09/2014 14:26	1		RTX-CLPII 0.53(mm)
ZZZZZ		05/09/2014 14:43	1		RTX-CLPI 0.53(mm)
ZZZZZ		05/09/2014 14:43	1		RTX-CLPII 0.53(mm)
ZZZZZ		05/09/2014 15:01	10		RTX-CLPI 0.53(mm)
ZZZZZ		05/09/2014 15:01	10		RTX-CLPII 0.53(mm)
ZZZZZ		05/09/2014 15:18	1		RTX-CLPI 0.53(mm)
ZZZZZ		05/09/2014 15:18	1		RTX-CLPII 0.53(mm)
480-59386-1	PT2-1(L)	05/09/2014 15:36	1	5_10128.D	RTX-CLPI 0.53(mm)
480-59386-1	PT2-1(L)	05/09/2014 15:36	1	5_10128.D	RTX-CLPII 0.53(mm)
CCV 480-181144/23		05/09/2014 15:53	1	5_10129.D	RTX-CLPI 0.53(mm)
CCV 480-181144/23		05/09/2014 15:53	1	5_10129.D	RTX-CLPII 0.53(mm)
CCV 480-181144/24		05/09/2014 16:11	1	5_10130.D	RTX-CLPI 0.53(mm)
CCV 480-181144/24		05/09/2014 16:11	1	5_10130.D	RTX-CLPII 0.53(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Batch Number: 180803 Batch Start Date: 05/08/14 07:12 Batch Analyst: Ziemer, Michael C

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	GrossWeight	TareWeight	InitialAmount	FinalAmount	O_8081/82surr 00059
MB 480-180803/1		3510C, 608		7 SU			1000 mL	10 mL	1 mL
LCS 480-180803/2		3510C, 608		7 SU			1000 mL	10 mL	1 mL
LCSD 480-180803/3		3510C, 608		7 SU			1000 mL	10 mL	1 mL
480-59386-F-1	PT2-1(L)	3510C, 608	T	6 SU	001556.4 g	503.4 g	1053 mL	10 mL	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	O8081pestspik 00021					
MB 480-180803/1		3510C, 608							
LCS 480-180803/2		3510C, 608		1 mL					
LCSD 480-180803/3		3510C, 608		1 mL					
480-59386-F-1	PT2-1(L)	3510C, 608	T						

Batch Notes	
Balance ID	14552245
Person's name who did the concentration	MZ, MRB, LF
Exchange Solvent Lot #	0000070764
Exchange Solvent Name	Hexane
Na2SO4 Lot Number	27864002
Prep Solvent Lot #	0000073967
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	180 mL
Person's name who did the prep	MZ, MRB
Person's name who witnessed reagent drop	MZ
Analyst who added reagent	MZ
Person who performed Spike	MZ
Person who witnessed spiking	MZ

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.: 480-59386-1

SDG No.:

Batch Number: 180803 Batch Start Date: 05/08/14 07:12 Batch Analyst: Ziemer, Michael C

Batch Method: 3510C Batch End Date:

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 608 PCBs

Polychlorinated Biphenyls (PCBs) (GC) by Method 608

FORM II
PESTICIDES/PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-5 ID: 0.53 (mm) GC Column (2): ZB-35 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
PT2-1(L)	480-59386-1	83	101	43	53
	MB 480-180802/1-A	95	128	75	80
	LCS 480-180802/2-A	98	121	61	72
	LCSD 480-180802/3-A	93	120	61	72

	QC LIMITS
TCX = Tetrachloro-m-xylene	25-151
DCB = DCB Decachlorobiphenyl	10-158

Column to be used to flag recovery values

FORM II 608

FORM III
PESTICIDES/PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 7_326_087.D

Lab ID: LCS 480-180802/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
PCB-1016	1.00	0.949	95	40-142	
PCB-1260	1.00	1.12	112	34-150	

Column to be used to flag recovery and RPD values

FORM III 608

FORM III
PESTICIDES/PCBS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 7_326_088.D

Lab ID: LCSD 480-180802/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	1.00	0.875	87	8	30	40-142	
PCB-1260	1.00	1.03	103	8	30	34-150	

Column to be used to flag recovery and RPD values

FORM III 608

FORM IV
PESTICIDES/PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: MB 480-180802/1-A

Matrix: Water Date Extracted: 05/08/2014 07:02

Lab File ID:(1) 7_326_086.D Lab File ID:(2) 7_326_086.D

Date Analyzed:(1) 05/09/2014 09:12 Date Analyzed:(2) 05/09/2014 09:12

Instrument ID:(1) HP6890-7 Instrument ID:(2) HP6890-7

GC Column:(1) ZB-5 ID: 0.53(mm) GC Column:(2) ZB-35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-180802/2-A	05/09/2014 09:28	05/09/2014 09:28
	LCSD 480-180802/3-A	05/09/2014 09:44	05/09/2014 09:44
PT2-1(L)	480-59386-1	05/09/2014 13:42	05/09/2014 13:42

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-180802/2-A

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 05/09/2014 09:28 Date Analyzed (2): 05/09/2014 09:28

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.70	2.67	2.73	0.939	0.949	12.7
		2	2.78	2.75	2.81	0.946		
		3	2.84	2.81	2.87	0.980		
		4	2.96	2.93	2.99	0.932		
	2	1	2.18	2.15	2.21	1.03	1.08	
		2	2.48	2.46	2.52	1.10		
		3	2.60	2.57	2.63	1.06		
		4	2.69	2.66	2.72	1.12		
PCB-1260	1	1	4.64	4.62	4.68	1.24	1.12	3.0
		2	4.83	4.80	4.86	1.16		
		3	5.03	5.00	5.06	1.09		
		4	5.27	5.24	5.30	0.980		
	2	1	4.63	4.61	4.67	1.08	1.09	
		2	4.70	4.68	4.74	1.06		
		3	4.77	4.75	4.81	1.14		
		4	5.10	5.08	5.14	1.07		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 480-180802/3-A

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 05/09/2014 09:44 Date Analyzed (2): 05/09/2014 09:44

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.70	2.67	2.73	0.875	0.875	15.8
		2	2.78	2.75	2.81	0.874		
		3	2.84	2.81	2.87	0.888		
		4	2.96	2.93	2.99	0.861		
	2	1	2.18	2.15	2.21	0.984	1.02	
		2	2.48	2.46	2.52	1.04		
		3	2.60	2.57	2.63	1.01		
		4	2.69	2.66	2.72	1.07		
PCB-1260	1	1	4.64	4.62	4.68	1.13	1.03	1.1
		2	4.83	4.80	4.86	1.07		
		3	5.03	5.00	5.06	1.02		
		4	5.27	5.24	5.30	0.909		
	2	1	4.63	4.61	4.67	1.01	1.02	
		2	4.70	4.68	4.74	1.00		
		3	4.77	4.75	4.81	1.07		
		4	5.10	5.08	5.14	1.00		

FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-59386-1

SDG No.:

Client Sample ID: PT2-1(L) | Lab Sample ID: 480-59386-1

Matrix: Water | Lab File ID: 7_326_103.D

Analysis Method: 608 | Date Collected: 05/06/2014 14:45

Extraction Method: 3510C | Date Extracted: 05/08/2014 07:02

Sample wt/vol: 1054.4(mL) | Date Analyzed: 05/09/2014 13:42

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

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

Analysis Batch No.: 181106 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.057	0.036
11104-28-2	PCB-1221	ND		0.057	0.036
11141-16-5	PCB-1232	ND		0.057	0.036
53469-21-9	PCB-1242	ND		0.057	0.036
12672-29-6	PCB-1248	ND		0.057	0.036
11097-69-1	PCB-1254	ND		0.057	0.029
11096-82-5	PCB-1260	ND		0.057	0.029

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	43		10-158
877-09-8	Tetrachloro-m-xylene	83		25-151

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_103.D
Lims ID: 480-59386-D-1-A Lab Sample ID: 480-59386-1
Client ID: PT2-1(L)
Sample Type: Client
Inject. Date: 09-May-2014 13:42:33 ALS Bottle#: 0 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7

Method: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 12-May-2014 06:37:52 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK014

First Level Reviewer: michalej Date: 12-May-2014 06:37:52

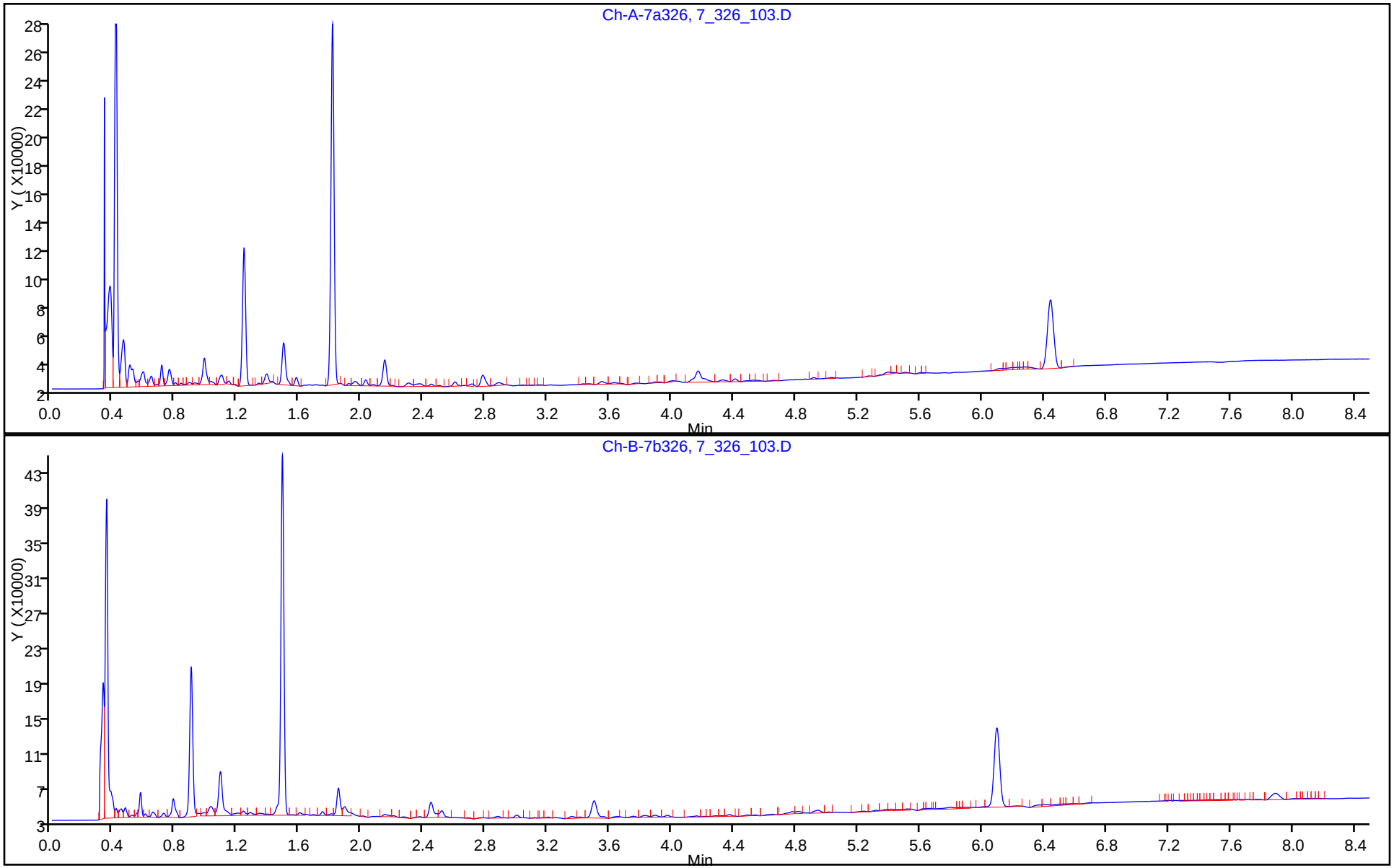
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.811	1.812	-0.001	355756	0.0165	
2	1.488	1.488	0.000	550610	0.0202	
					RPD = 19.83	
$ 12 DCB Decachlorobiphenyl						
1	6.443	6.441	0.001	133351	0.008529	
2	6.097	6.098	-0.001	229150	0.0105	
					RPD = 20.85	

Report Date: 12-May-2014 06:37:52 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_103.D

Injection Date:	09-May-2014 13:42:33	Instrument ID:	HP6890-7	Operator ID:	buftchrom
Lims ID:	480-59386-D-1-A	Lab Sample ID:	480-59386-1	Worklist Smp#:	35
Client ID:	PT2-1(L)				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Client Sample ID: PT2-1(L) Lab Sample ID: 480-59386-1

Matrix: Water Lab File ID: 7_326_103.D

Analysis Method: 608 Date Collected: 05/06/2014 14:45

Extraction Method: 3510C Date Extracted: 05/08/2014 07:02

Sample wt/vol: 1054.4(mL) Date Analyzed: 05/09/2014 13:42

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.: 181106 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	53		10-158
877-09-8	Tetrachloro-m-xylene	101		25-151

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_103.D
Lims ID: 480-59386-D-1-A Lab Sample ID: 480-59386-1
Client ID: PT2-1(L)
Sample Type: Client
Inject. Date: 09-May-2014 13:42:33 ALS Bottle#: 0 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7

Method: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 12-May-2014 06:37:52 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK014

First Level Reviewer: michalej Date: 12-May-2014 06:37:52

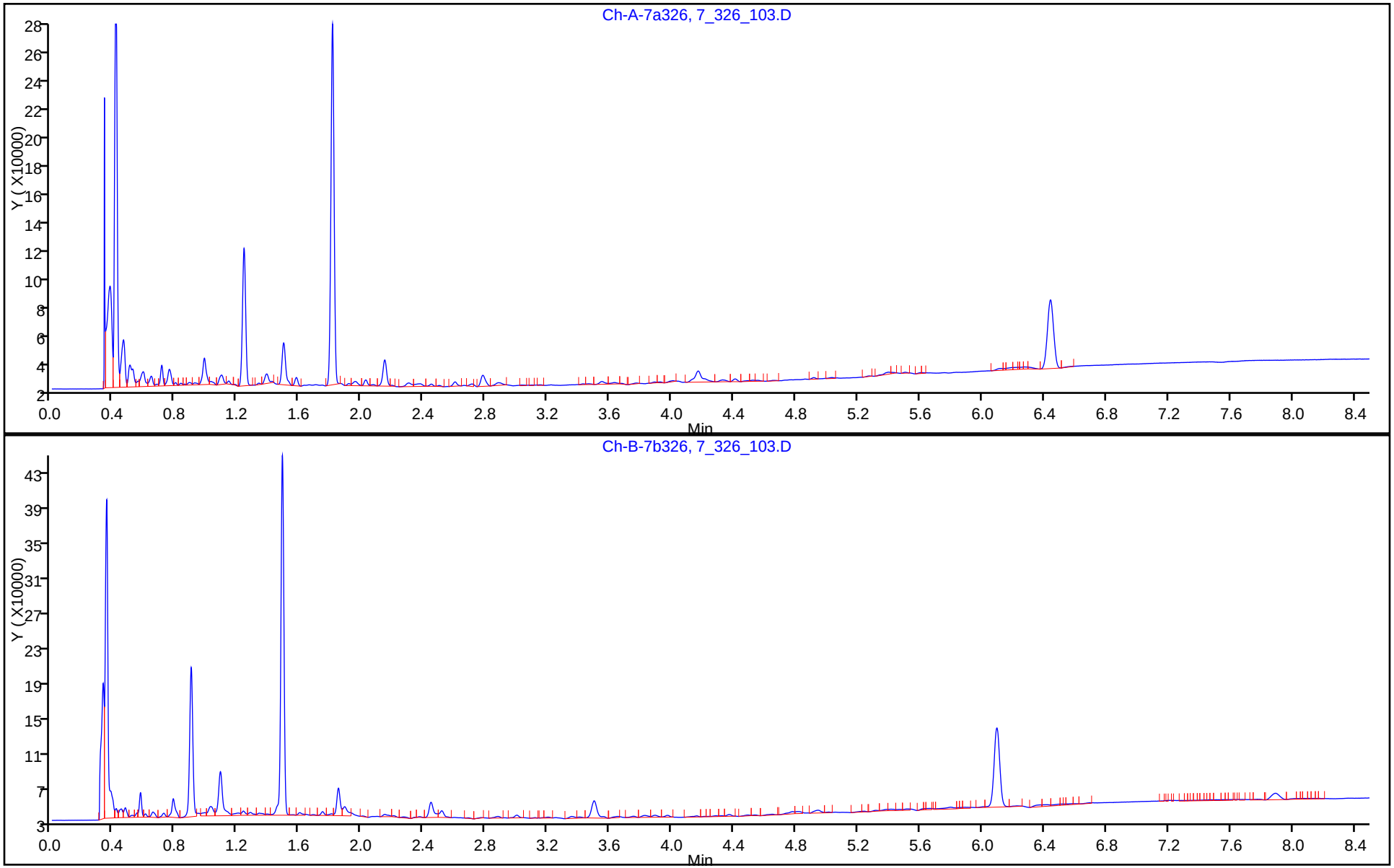
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.811	1.812	-0.001	355756	0.0165	
2	1.488	1.488	0.000	550610	0.0202	
					RPD = 19.83	
$ 12 DCB Decachlorobiphenyl						
1	6.443	6.441	0.001	133351	0.008529	
2	6.097	6.098	-0.001	229150	0.0105	
					RPD = 20.85	

Report Date: 12-May-2014 06:37:52 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_103.D

Injection Date:	09-May-2014 13:42:33	Instrument ID:	HP6890-7	Operator ID:	buftchrom
Lims ID:	480-59386-D-1-A	Lab Sample ID:	480-59386-1	Worklist Smp#:	35
Client ID:	PT2-1(L)				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 06:43 Calibration End Date: 12/03/2013 08:18 Calibration ID: 16348

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-155278/1	7_305_003.D
Level 2	STD2 480-155278/2	7_305_004.D
Level 3	STD3 480-155278/3	7_305_005.D
Level 4	STD4 480-155278/4	7_305_006.D
Level 5	STD5 480-155278/5	7_305_007.D
Level 6	STD6 480-155278/6	7_305_008.D
Level 7	STD7 480-155278/7	7_305_009.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	2.851	2.851	2.851	2.851	2.850	2.850	2.850				2.820 - 2.880	2.851
PCB-1016 Peak 2	2.933	2.933	2.933	2.933	2.933	2.933	2.933				2.903 - 2.963	2.933
PCB-1016 Peak 3	2.993	2.993	2.993	2.993	2.993	2.993	2.993				2.963 - 3.023	2.993
PCB-1016 Peak 4	3.110	3.111	3.111	3.111	3.110	3.110	3.109				3.079 - 3.139	3.110
PCB-1260 Peak 1	4.808	4.810	4.809	4.810	4.808	4.809	4.809				4.779 - 4.839	4.809
PCB-1260 Peak 2	4.996	4.997	4.997	4.997	4.995	4.997	4.997				4.967 - 5.027	4.997
PCB-1260 Peak 3	5.198	5.198	5.200	5.198	5.199	5.199	5.198				5.168 - 5.228	5.199
PCB-1260 Peak 4	5.438	5.437	5.435	5.437	5.435	5.435	5.437				5.407 - 5.467	5.436
Tetrachloro-m-xylene	+++++	1.941	1.942	1.942	1.941	1.941	1.941				5.038 - 5.098	1.941
DCB Decachlorobiphenyl	+++++	6.718	6.719	6.720	6.718	6.718	6.719				6.659 - 6.779	6.719

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 06:43 Calibration End Date: 12/03/2013 08:18 Calibration ID: 16348

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-155278/1	7_305_003.D
Level 2	STD2 480-155278/2	7_305_004.D
Level 3	STD3 480-155278/3	7_305_005.D
Level 4	STD4 480-155278/4	7_305_006.D
Level 5	STD5 480-155278/5	7_305_007.D
Level 6	STD6 480-155278/6	7_305_008.D
Level 7	STD7 480-155278/7	7_305_009.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	1903350 1572608	1712600 1535424	1691120 1606806	1667340	Ave		1669892.57				7.3		10.0			
PCB-1016 Peak 2	761950 582198	667880 561596	655150 588353	626165	Ave		634756.000				11.0	*	10.0			
PCB-1016 Peak 3	458550 388992	422020 375699	429700 400465	403850	Ave		411325.143				6.7		10.0			
PCB-1016 Peak 4	453850 348016	413480 330788	404490 345000	379930	Ave		382222.000				12.0	*	10.0			
PCB-1260 Peak 1	495600 615330	584920 581146	642340 654641	619055	Ave		599004.500				8.8		10.0			
PCB-1260 Peak 2	537800 611900	553760 578656	620260 655592	608055	Ave		595146.071				6.9		10.0			
PCB-1260 Peak 3	1677650 1590924	1540600 1550436	1607850 1736543	1640315	Ave		1620616.86				4.3		10.0			
PCB-1260 Peak 4	821500 824884	788480 819226	873180 875224	851940	Ave		836347.643				3.8		10.0			
Tetrachloro-m-xylene	+++++ 21553360	21083200 20991240	21570800 22006780	21874000	Ave		21513230.0				1.9		10.0			
DCB Decachlorobiphenyl	+++++ 14703280	16332000 14375480	17105600 14451820	16845400	Ave		15635596.7				8.1		10.0			

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

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 06:43 Calibration End Date: 12/03/2013 08:18 Calibration ID: 16348

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-155278/1	7_305_003.D
Level 2	STD2 480-155278/2	7_305_004.D
Level 3	STD3 480-155278/3	7_305_005.D
Level 4	STD4 480-155278/4	7_305_006.D
Level 5	STD5 480-155278/5	7_305_007.D
Level 6	STD6 480-155278/6	7_305_008.D
Level 7	STD7 480-155278/7	7_305_009.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	38067 1535424	85630 3213612	169112	333468	786304	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	Ave	15239 561596	33394 1176706	65515	125233	291099	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	Ave	9171 375699	21101 800930	42970	80770	194496	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	Ave	9077 330788	20674 690000	40449	75986	174008	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	Ave	9912 581146	29246 1309281	64234	123811	307665	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	Ave	10756 578656	27688 1311183	62026	121611	305950	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	Ave	33553 1550436	77030 3473086	160785	328063	795462	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	Ave	16430 819226	39424 1750447	87318	170388	412442	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	Ave	+++++ 524781	26354 1100339	53927	109370	269417	+++++ 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	Ave	+++++ 359387	20415 722591	42764	84227	183791	+++++ 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_003.D
Lims ID: STD1 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 03-Dec-2013 06:43:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub1

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 24-Dec-2013 10:56:22 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK006

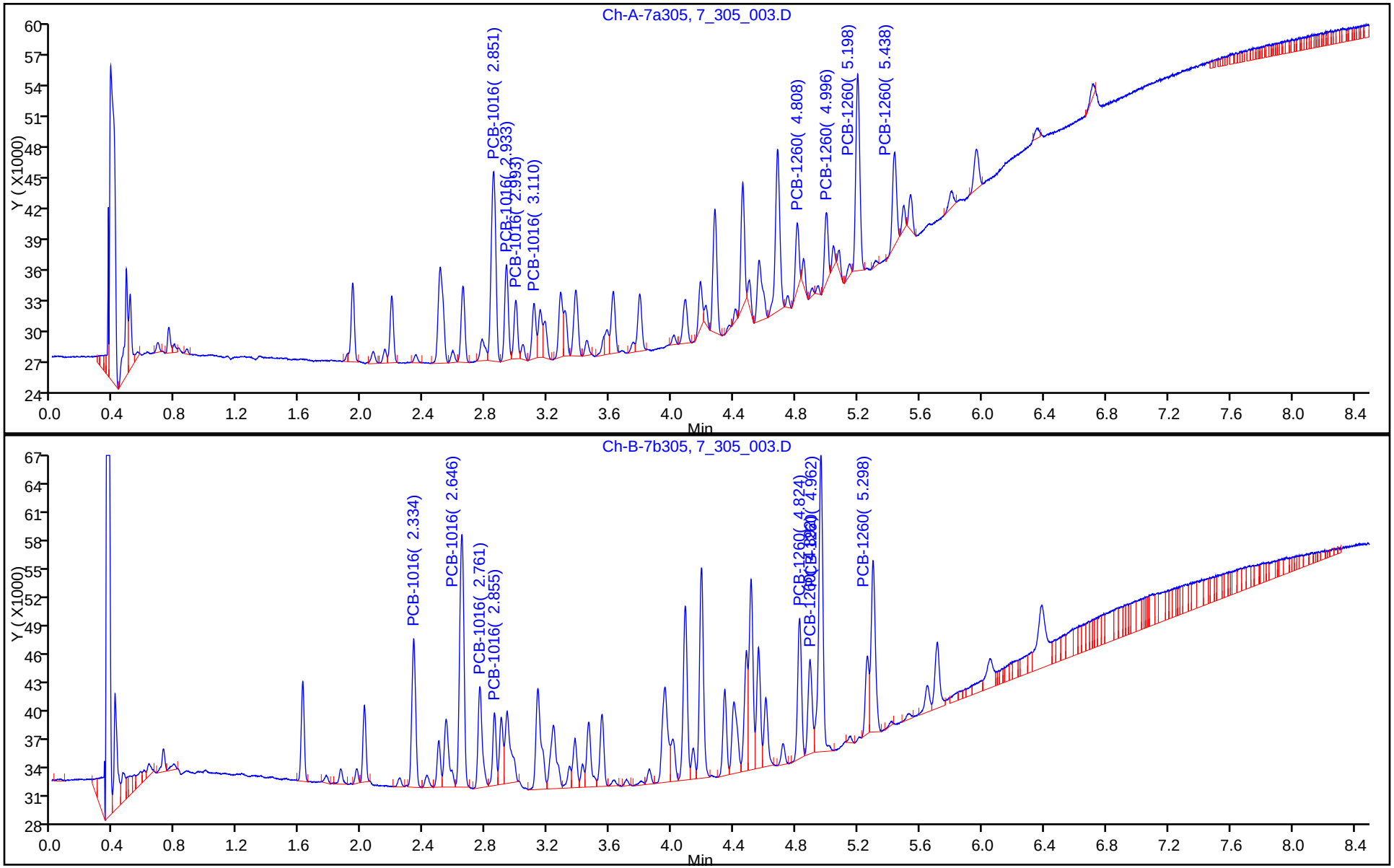
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
6 PCB-1016						
1	2.851	2.850	0.001	38067	0.0227	
1	2.933	2.933	0.0	15239	0.0237	
1	2.993	2.993	0.0	9171	0.0222	
1	3.110	3.109	0.001	9077	0.0234	
		Average of Peak Amounts =			0.0230	
2	2.334	2.333	0.001	26681	0.0233	
2	2.646	2.645	0.001	51337	0.0220	
2	2.761	2.760	0.001	19891	0.0228	
2	2.855	2.854	0.001	11795	0.0223	
		Average of Peak Amounts =			0.0226	
					RPD = 1.58	
9 PCB-1260						
1	4.808	4.809	-0.001	9912	0.0168	
1	4.996	4.997	-0.001	10756	0.0184	
1	5.198	5.198	0.0	33553	0.0210	
1	5.438	5.437	0.001	16430	0.0198	
		Average of Peak Amounts =			0.0190	
2	4.824	4.823	0.001	25056	0.0217	
2	4.892	4.892	0.0	18300	0.0217	
2	4.962	4.961	0.001	58658	0.0217	
2	5.298	5.298	0.0	34288	0.0211	
		Average of Peak Amounts =			0.0216	
					RPD = 12.72	
$ 3 Tetrachloro-m-xylene						
1	1.941	5.068	-3.127	11355	0.000530	
2	1.619	1.618	0.001	13944	0.000514	
					RPD = 3.08	
$ 12 DCB Decachlorobiphenyl						
1	6.713	6.719	-0.006	2312	0.000146	
2	6.387	6.386	0.001	27843	0.001269	
					RPD = 158.81	

Report Date: 24-Dec-2013 10:56:23 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_003.D

Injection Date:	03-Dec-2013 06:43:00	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	STD1	Lab Sample ID:		Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_004.D
Lims ID: STD2 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 03-Dec-2013 06:58:55 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub1

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 24-Dec-2013 10:56:25 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK006

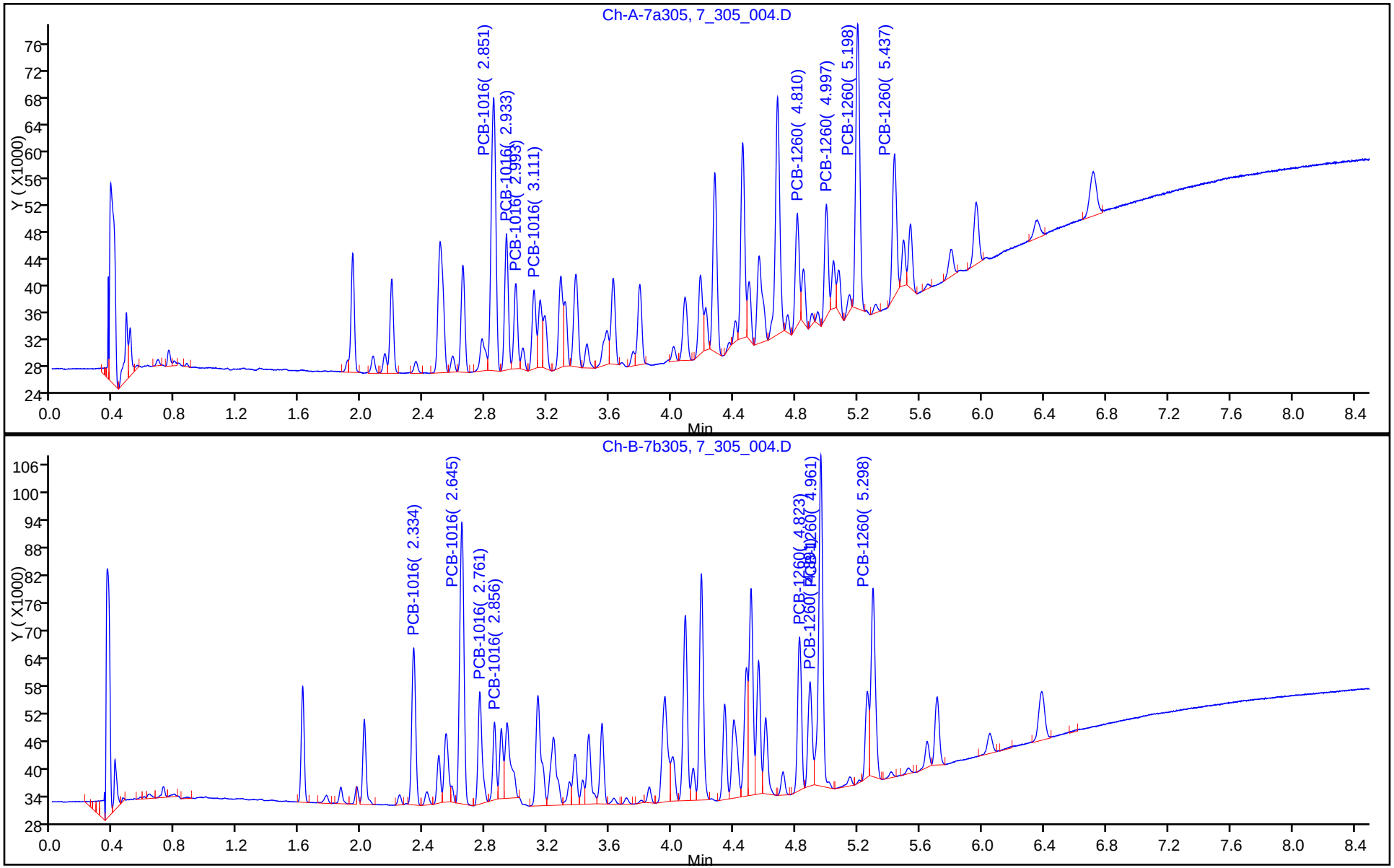
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
6 PCB-1016						
1	2.851	2.850	0.001	85630	0.0510	
1	2.933	2.933	0.0	33394	0.0520	
1	2.993	2.993	0.001	21101	0.0511	
1	3.111	3.109	0.002	20674	0.0532	
		Average of Peak Amounts =			0.0518	
2	2.334	2.333	0.001	59267	0.0517	
2	2.645	2.645	0.0	115796	0.0497	
2	2.761	2.760	0.001	43723	0.0502	
2	2.856	2.854	0.002	25010	0.0474	
		Average of Peak Amounts =			0.0497	
					RPD = 4.06	
9 PCB-1260						
1	4.810	4.809	0.001	29246	0.0496	
1	4.997	4.997	0.0	27688	0.0473	
1	5.198	5.198	0.0	77030	0.0481	
1	5.437	5.437	0.0	39424	0.0475	
		Average of Peak Amounts =			0.0481	
2	4.823	4.823	0.0	57345	0.0497	
2	4.891	4.892	-0.001	41607	0.0494	
2	4.961	4.961	0.0	134077	0.0496	
2	5.298	5.298	0.0	79049	0.0487	
		Average of Peak Amounts =			0.0493	
					RPD = 2.49	
$ 3 Tetrachloro-m-xylene						
1	1.941	5.068	-3.127	26354	0.001231	
2	1.618	1.618	0.0	33386	0.001231	
					RPD = 0.03	
$ 12 DCB Decachlorobiphenyl						
1	6.718	6.719	-0.001	20415	0.001286	
2	6.386	6.386	0.0	28683	0.001307	
					RPD = 1.62	

Report Date: 24-Dec-2013 10:56:26 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_004.D

Injection Date:	03-Dec-2013 06:58:55	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	STD2	Lab Sample ID:		Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_005.D
Lims ID: std3 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 03-Dec-2013 07:14:50 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub1

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 24-Dec-2013 10:56:28 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK006

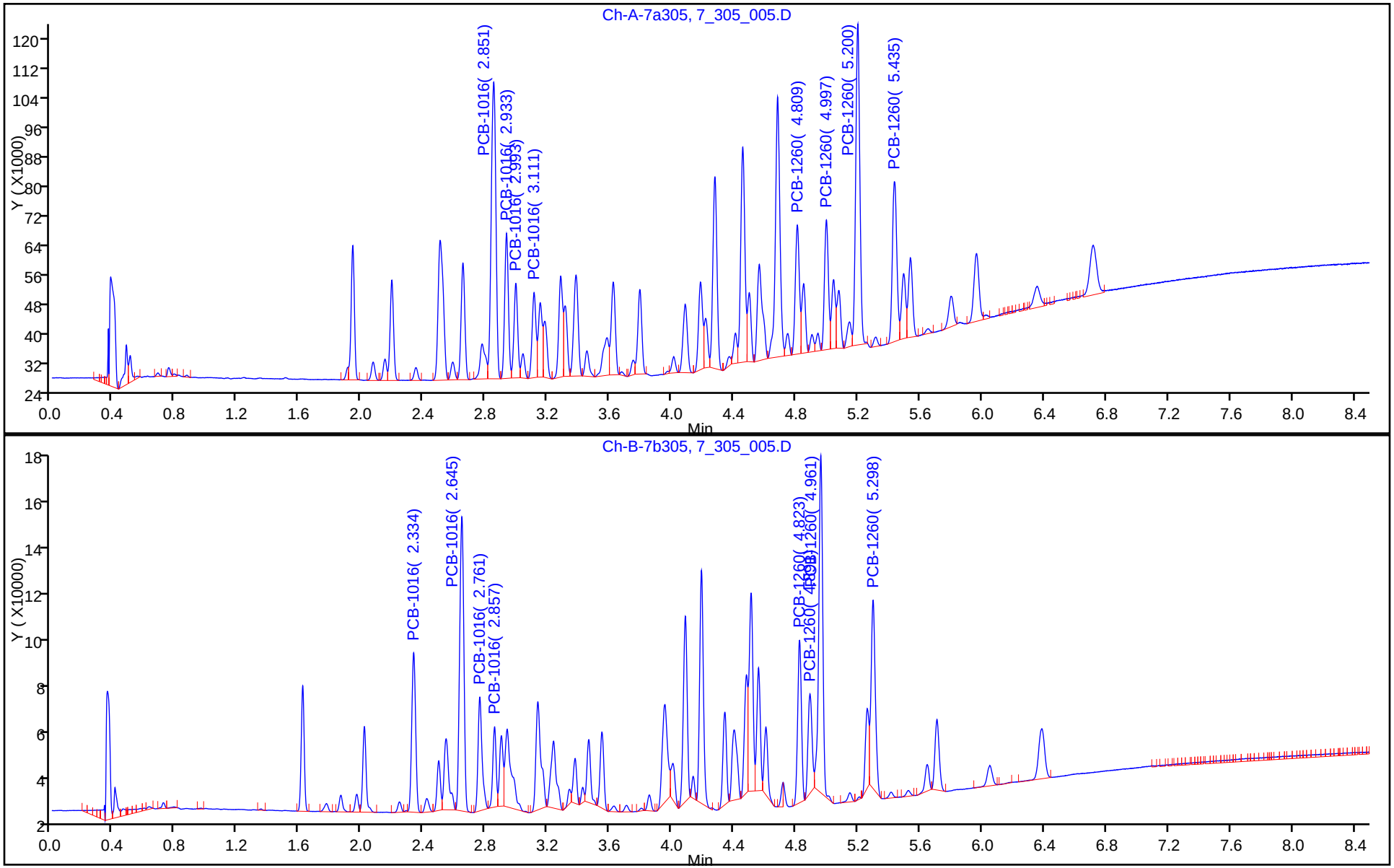
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
6 PCB-1016						
1	2.851	2.850	0.001	169112	0.1006	
1	2.933	2.933	0.001	65515	0.1020	
1	2.993	2.993	0.001	42970	0.1040	
1	3.111	3.109	0.002	40449	0.1041	
		Average of Peak Amounts =			0.1027	
2	2.334	2.333	0.001	115799	0.1011	
2	2.645	2.645	0.0	230326	0.0989	
2	2.761	2.760	0.001	85698	0.0983	
2	2.857	2.854	0.003	49581	0.0939	
		Average of Peak Amounts =			0.0981	
					RPD = 4.62	
9 PCB-1260						
1	4.809	4.809	0.0	64234	0.1089	
1	4.997	4.997	0.0	62026	0.1060	
1	5.200	5.198	0.002	160785	0.1004	
1	5.435	5.437	-0.002	87318	0.1052	
		Average of Peak Amounts =			0.1051	
2	4.823	4.823	0.0	113524	0.0983	
2	4.891	4.892	-0.001	74862	0.0889	
2	4.961	4.961	0.0	251647	0.0931	
2	5.298	5.298	0.0	150718	0.0928	
		Average of Peak Amounts =			0.0933	
					RPD = 11.94	
$ 3 Tetrachloro-m-xylene						
1	1.942	5.068	-3.126	53927	0.002518	
2	1.618	1.618	0.0	69242	0.002553	
					RPD = 1.38	
$ 12 DCB Decachlorobiphenyl						
1	6.719	6.719	0.0	42764	0.002694	
2	6.387	6.386	0.001	56494	0.002575	
					RPD = 4.51	

Report Date: 24-Dec-2013 10:56:29 Chrom Revision: 2.1 15-Oct-2013 07:52:24

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Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_005.D

Injection Date:	03-Dec-2013 07:14:50	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	std3	Lab Sample ID:		Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_006.D
Lims ID: STD4 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 03-Dec-2013 07:30:36 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub1

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 24-Dec-2013 10:56:31 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK006

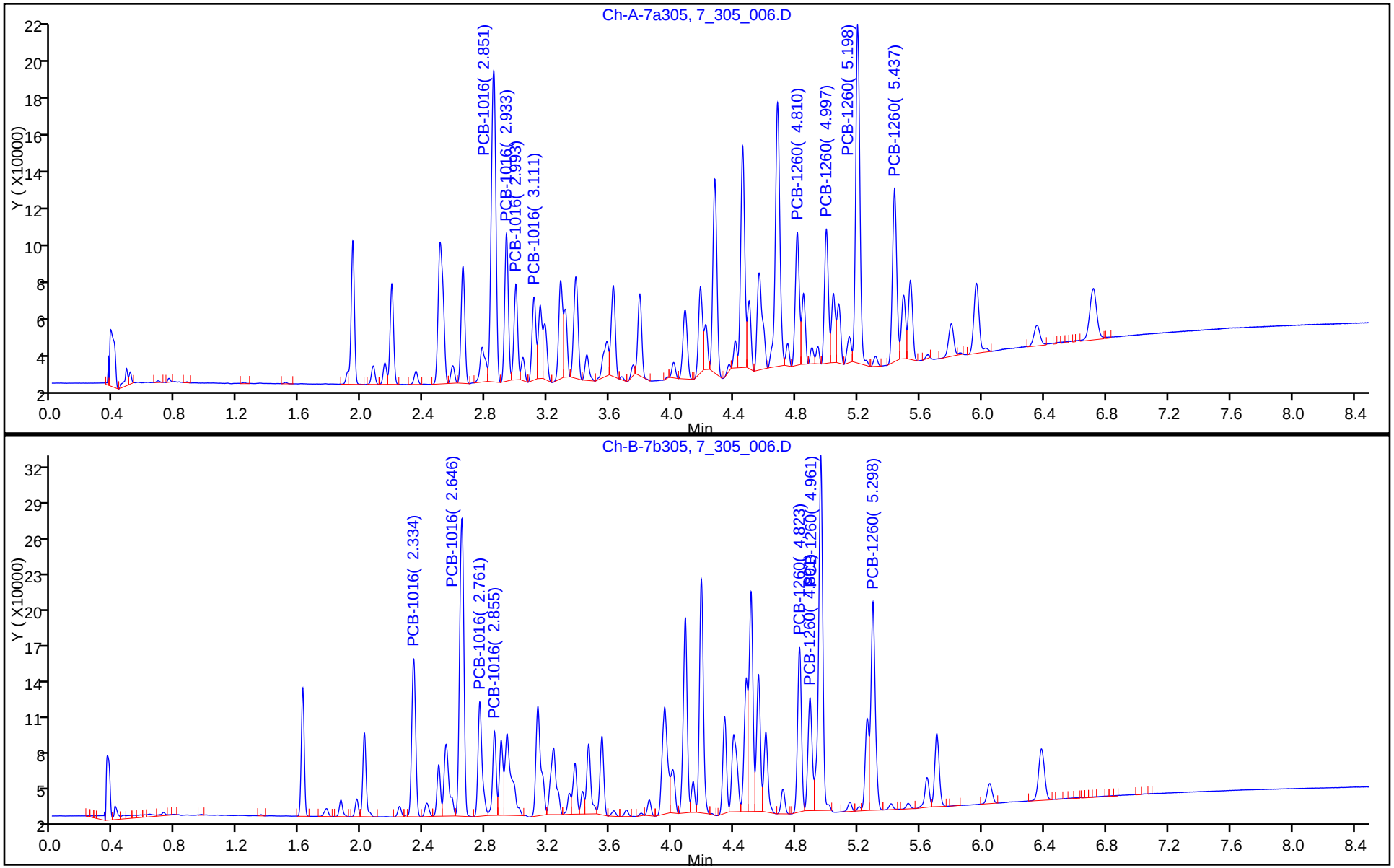
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
6 PCB-1016						
1	2.851	2.850	0.001	333468	0.1984	
1	2.933	2.933	0.0	125233	0.1949	
1	2.993	2.993	0.001	80770	0.1955	
1	3.111	3.109	0.002	75986	0.1956	
		Average of Peak Amounts =			0.1961	
2	2.334	2.333	0.001	228643	0.1995	
2	2.646	2.645	0.001	469942	0.2018	
2	2.761	2.760	0.001	175722	0.2016	
2	2.855	2.854	0.001	110025	0.2083	
		Average of Peak Amounts =			0.2028	
					RPD = 3.37	
9 PCB-1260						
1	4.810	4.809	0.001	123811	0.2099	
1	4.997	4.997	0.0	121611	0.2079	
1	5.198	5.198	0.0	328063	0.2049	
1	5.437	5.437	0.0	170388	0.2053	
		Average of Peak Amounts =			0.2070	
2	4.823	4.823	0.0	233161	0.2019	
2	4.891	4.892	-0.001	176846	0.2101	
2	4.961	4.961	0.0	551262	0.2040	
2	5.298	5.298	0.0	339018	0.2088	
		Average of Peak Amounts =			0.2062	
					RPD = 0.39	
$ 3 Tetrachloro-m-xylene						
1	1.942	5.068	-3.126	109370	0.005107	
2	1.619	1.618	0.001	140115	0.005166	
					RPD = 1.15	
$ 12 DCB Decachlorobiphenyl						
1	6.720	6.719	0.001	84227	0.005307	
2	6.383	6.386	-0.003	112796	0.005141	
					RPD = 3.17	

Report Date: 24-Dec-2013 10:56:31 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_006.D

Injection Date:	03-Dec-2013 07:30:36	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	STD4	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_007.D
Lims ID: STD5 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 03-Dec-2013 07:46:26 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub1

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 24-Dec-2013 10:56:34 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK006

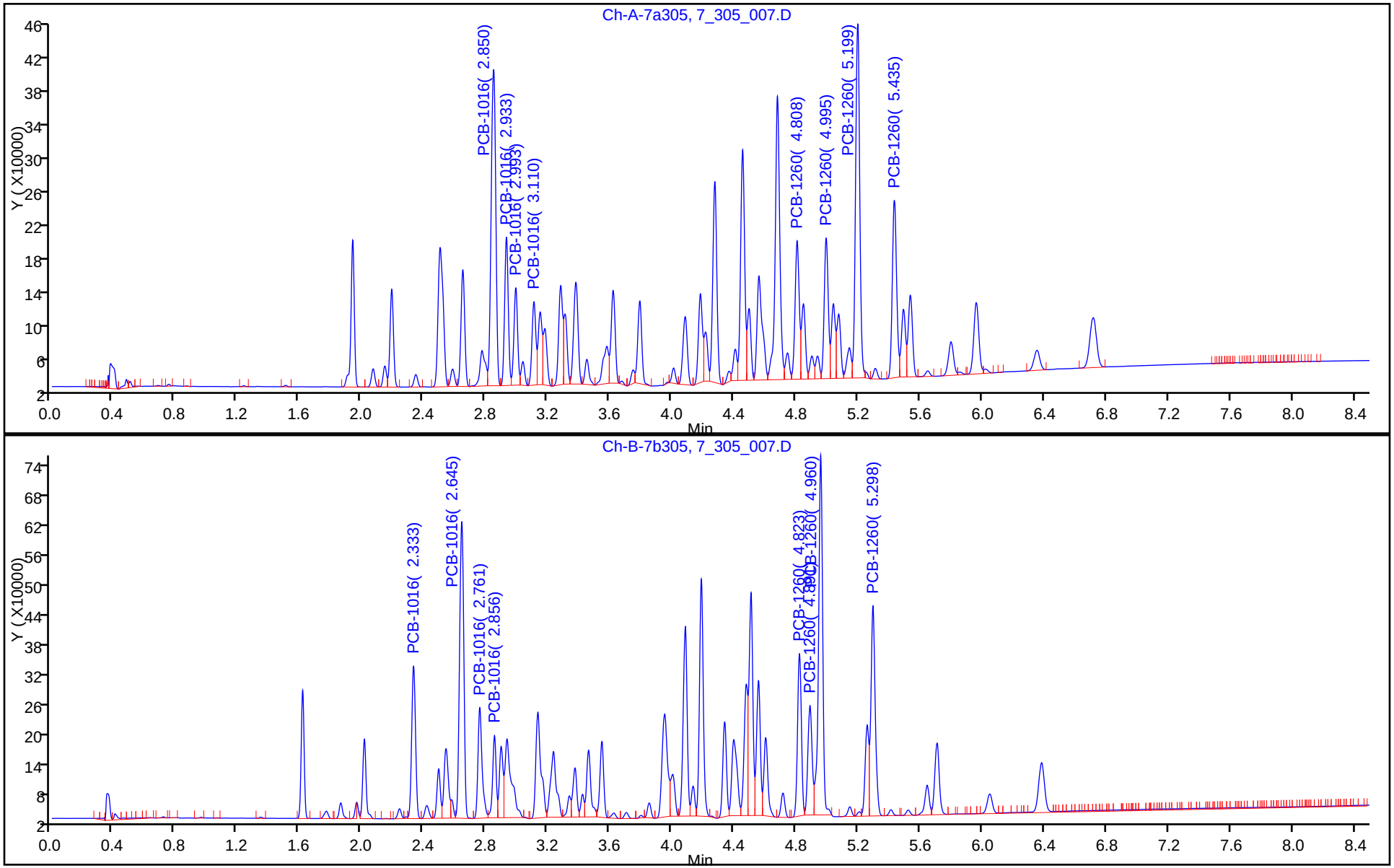
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
6 PCB-1016						
1	2.850	2.850	0.0	786304	0.4679	
1	2.933	2.933	0.0	291099	0.4531	
1	2.993	2.993	0.0	194496	0.4708	
1	3.110	3.109	0.001	174008	0.4480	
		Average of Peak Amounts =			0.4599	
2	2.333	2.333	0.0	525013	0.4582	
2	2.645	2.645	0.0	1120688	0.4813	
2	2.761	2.760	0.001	411562	0.4723	
2	2.856	2.854	0.002	260099	0.4925	
		Average of Peak Amounts =			0.4761	
					RPD = 3.45	
9 PCB-1260						
1	4.808	4.809	-0.001	307665	0.5217	
1	4.995	4.997	-0.002	305950	0.5229	
1	5.199	5.198	0.001	795462	0.4968	
1	5.435	5.437	-0.002	412442	0.4970	
		Average of Peak Amounts =			0.5096	
2	4.823	4.823	-0.001	557212	0.4825	
2	4.891	4.892	-0.001	418060	0.4966	
2	4.960	4.961	-0.001	1334042	0.4937	
2	5.298	5.298	0.0	812116	0.5002	
		Average of Peak Amounts =			0.4933	
					RPD = 3.26	
$ 3 Tetrachloro-m-xylene						
1	1.941	5.068	-3.127	269417	0.0126	
2	1.618	1.618	0.0	334933	0.0123	
					RPD = 1.86	
$ 12 DCB Decachlorobiphenyl						
1	6.718	6.719	-0.001	183791	0.0116	
2	6.385	6.386	-0.001	271144	0.0124	
					RPD = 6.67	

Report Date: 24-Dec-2013 10:56:35 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_007.D

Injection Date:	03-Dec-2013 07:46:26	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	STD5	Lab Sample ID:		Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_008.D
Lims ID: STD6 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 03-Dec-2013 08:02:18 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub1

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 24-Dec-2013 10:56:36 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK006

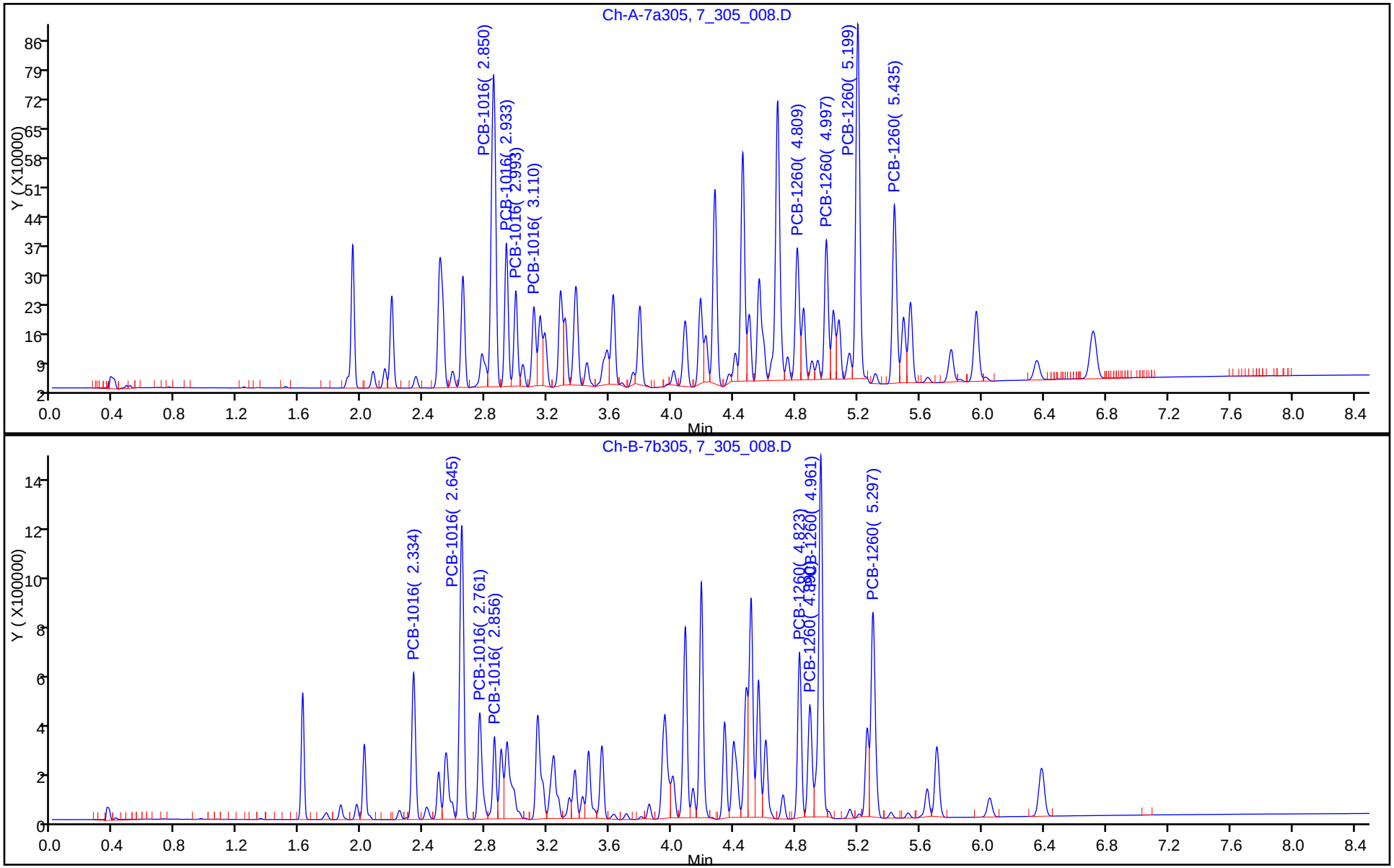
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
6 PCB-1016						
1	2.850	2.850	0.0	1535424	0.9137	
1	2.933	2.933	0.0	561596	0.8741	
1	2.993	2.993	0.001	375699	0.9094	
1	3.110	3.109	0.001	330788	0.8516	
		Average of Peak Amounts =			0.8872	
2	2.334	2.333	0.001	1004203	0.8764	
2	2.645	2.645	0.0	2192491	0.9417	
2	2.761	2.760	0.001	801044	0.9192	
2	2.856	2.854	0.002	512585	0.9706	
		Average of Peak Amounts =			0.9270	
					RPD = 4.38	
9 PCB-1260						
1	4.809	4.809	0.0	581146	0.9854	
1	4.997	4.997	0.0	578656	0.9890	
1	5.199	5.198	0.001	1550436	0.9682	
1	5.435	5.437	-0.002	819226	0.9872	
		Average of Peak Amounts =			0.9825	
2	4.823	4.823	0.0	1113465	0.9642	
2	4.890	4.892	-0.002	834660	0.99	
2	4.961	4.961	0.0	2658362	0.9837	
2	5.297	5.298	-0.001	1619753	1.00	
		Average of Peak Amounts =			0.9843	
					RPD = 0.18	
$ 3 Tetrachloro-m-xylene						
1	1.941	5.068	-3.127	524781	0.0245	
2	1.618	1.618	0.0	659498	0.0243	
					RPD = 0.77	
$ 12 DCB Decachlorobiphenyl						
1	6.718	6.719	-0.001	359387	0.0226	
2	6.384	6.386	-0.002	497838	0.0227	
					RPD = 0.22	

Report Date: 24-Dec-2013 10:56:37 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_008.D

Injection Date:	03-Dec-2013 08:02:18	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	STD6	Lab Sample ID:		Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_009.D
Lims ID: STD7 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Dec-2013 08:18:14 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub1

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 24-Dec-2013 10:56:39 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK006

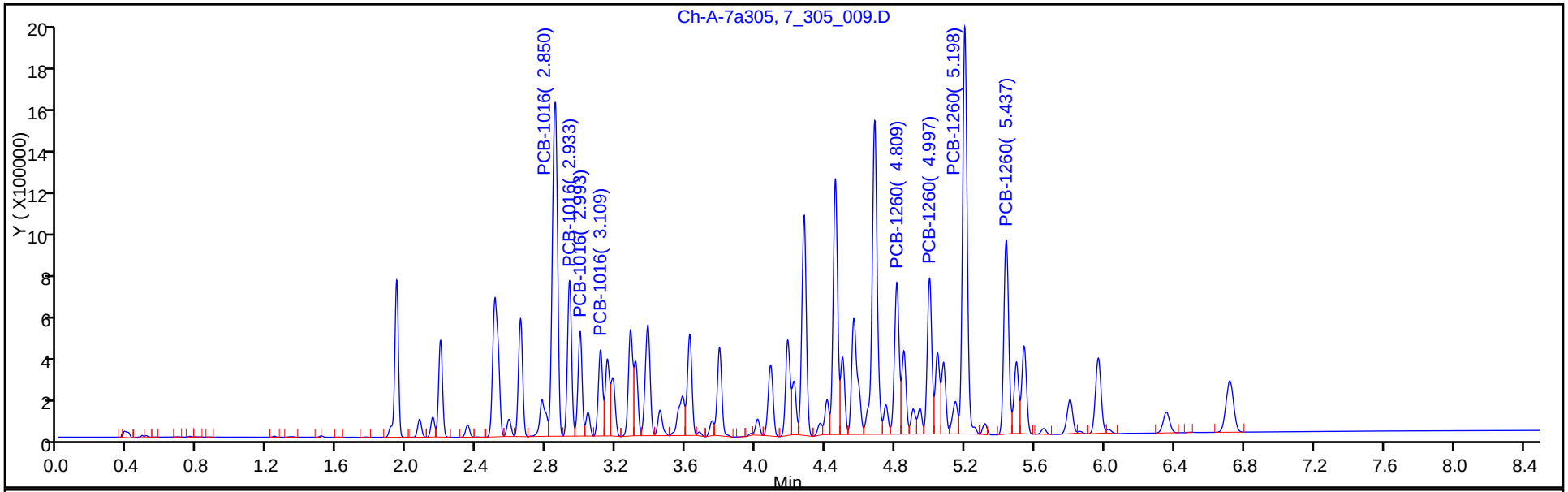
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
6 PCB-1016						
1	2.850	2.850	0.0	3213612	1.92	E
1	2.933	2.933	0.0	1176706	1.85	E
1	2.993	2.993	0.0	800930	1.95	E
1	3.109	3.109	0.0	690000	1.81	E
		Average of Peak Amounts =			1.88	
2	2.333	2.333	0.0	2046883	1.81	E
2	2.645	2.645	0.0	4602848	1.98	E
2	2.760	2.760	0.0	1681844	1.94	E
2	2.854	2.854	0.0	1100002	2.07	E
		Average of Peak Amounts =			1.95	
					RPD = 3.57	
9 PCB-1260						
1	4.809	4.809	0.0	1309281	2.19	E
1	4.997	4.997	0.0	1311183	2.20	E
1	5.198	5.198	0.0	3473086	2.14	E
1	5.437	5.437	0.0	1750447	2.09	E
		Average of Peak Amounts =			2.16	
2	4.823	4.823	0.0	2397816	2.07	E
2	4.892	4.892	0.0	1803628	2.12	E
2	4.961	4.961	0.0	5790019	2.12	E
2	5.298	5.298	0.0	3521358	2.14	E
		Average of Peak Amounts =			2.11	
					RPD = 2.05	
$ 3 Tetrachloro-m-xylene						
1	1.941	1.941	0.0	1100339	0.0511	
2	1.618	1.618	0.0	1406915	0.0516	
					RPD = 0.79	
$ 12 DCB Decachlorobiphenyl						
1	6.719	6.719	0.0	722591	0.0462	
2	6.386	6.386	0.0	1053268	0.0483	
					RPD = 4.46	

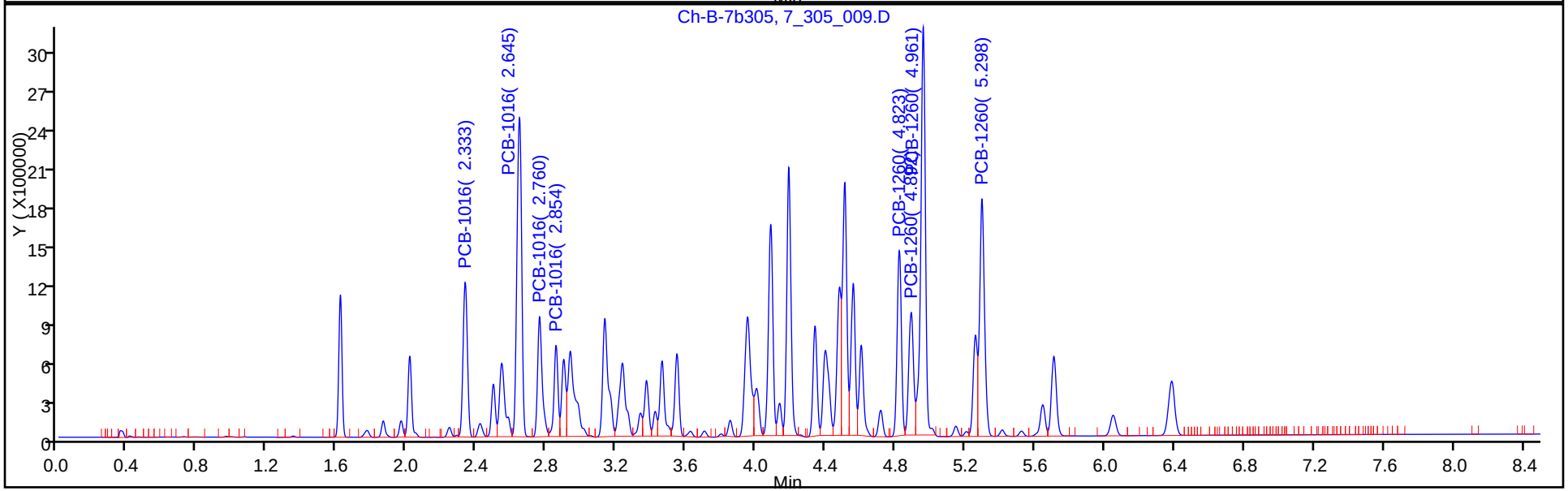
Report Date: 24-Dec-2013 10:56:40 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_009.D

Injection Date:	03-Dec-2013 08:18:14	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	STD7	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		





FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 06:43 Calibration End Date: 12/03/2013 08:18 Calibration ID: 16349

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-155278/1	7_305_003.D
Level 2	STD2 480-155278/2	7_305_004.D
Level 3	STD3 480-155278/3	7_305_005.D
Level 4	STD4 480-155278/4	7_305_006.D
Level 5	STD5 480-155278/5	7_305_007.D
Level 6	STD6 480-155278/6	7_305_008.D
Level 7	STD7 480-155278/7	7_305_009.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	2.334	2.334	2.334	2.334	2.333	2.334	2.333				2.303 - 2.363	2.334
PCB-1016 Peak 2	2.646	2.645	2.645	2.646	2.645	2.645	2.645				2.615 - 2.675	2.645
PCB-1016 Peak 3	2.761	2.761	2.761	2.761	2.761	2.761	2.760				2.730 - 2.790	2.761
PCB-1016 Peak 4	2.855	2.856	2.857	2.855	2.856	2.856	2.854				2.824 - 2.884	2.856
PCB-1260 Peak 1	4.824	4.823	4.823	4.823	4.823	4.823	4.823				4.793 - 4.853	4.823
PCB-1260 Peak 2	4.892	4.891	4.891	4.891	4.891	4.890	4.892				4.862 - 4.922	4.891
PCB-1260 Peak 3	4.962	4.961	4.961	4.961	4.960	4.961	4.961				4.931 - 4.991	4.961
PCB-1260 Peak 4	5.298	5.298	5.298	5.298	5.298	5.297	5.298				5.268 - 5.328	5.298
Tetrachloro-m-xylene	+++++	1.618	1.618	1.619	1.618	1.618	1.618				1.588 - 1.648	1.618
DCB Decachlorobiphenyl	+++++	6.386	6.387	6.383	6.385	6.384	6.386				6.326 - 6.446	6.385

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 06:43 Calibration End Date: 12/03/2013 08:18 Calibration ID: 16349

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-155278/1	7_305_003.D
Level 2	STD2 480-155278/2	7_305_004.D
Level 3	STD3 480-155278/3	7_305_005.D
Level 4	STD4 480-155278/4	7_305_006.D
Level 5	STD5 480-155278/5	7_305_007.D
Level 6	STD6 480-155278/6	7_305_008.D
Level 7	STD7 480-155278/7	7_305_009.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	1334050 1050026	1185340 1004203	1157990 1023442	1143215	Ave		1128323.64				10.0		10.0			
PCB-1016 Peak 2	2566850 2241376	2315920 2192491	2303260 2301424	2349710	Ave		2324433.00				5.1		10.0			
PCB-1016 Peak 3	994550 823124	874460 801044	856980 840922	878610	Ave		867098.571				7.2		10.0			
PCB-1016 Peak 4	589750 520198	500200 512585	495810 550001	550125	Ave		531238.429				6.3		10.0			
PCB-1260 Peak 1	1252800 1114424	1146900 1113465	1135240 1198908	1165805	Ave		1161077.43				4.3		10.0			
PCB-1260 Peak 2	915000 836120	832140 834660	748620 901814	884230	Ave		850369.143				6.6		10.0			
PCB-1260 Peak 3	2932900 2668084	2681540 2658362	2516470 2895010	2756310	Ave		2729810.79				5.3		10.0			
PCB-1260 Peak 4	1714400 1624232	1580980 1619753	1507180 1760679	1695090	Ave		1643187.71				5.3		10.0			
Tetrachloro-m-xylene	+++++ 26794640	26708800 26379920	27696800 28138300	28023000	Ave		27290243.3				2.8		10.0			
DCB Decachlorobiphenyl	+++++ 21691520	22946400 19913520	22597600 21065360	22559200	Ave		21795600.0				5.3		10.0			

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

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 06:43 Calibration End Date: 12/03/2013 08:18 Calibration ID: 16349

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-155278/1	7_305_003.D
Level 2	STD2 480-155278/2	7_305_004.D
Level 3	STD3 480-155278/3	7_305_005.D
Level 4	STD4 480-155278/4	7_305_006.D
Level 5	STD5 480-155278/5	7_305_007.D
Level 6	STD6 480-155278/6	7_305_008.D
Level 7	STD7 480-155278/7	7_305_009.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	26681 1004203	59267 2046883	115799	228643	525013	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	Ave	51337 2192491	115796 4602848	230326	469942	1120688	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	Ave	19891 801044	43723 1681844	85698	175722	411562	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	Ave	11795 512585	25010 1100002	49581	110025	260099	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	Ave	25056 1113465	57345 2397816	113524	233161	557212	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	Ave	18300 834660	41607 1803628	74862	176846	418060	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	Ave	58658 2658362	134077 5790019	251647	551262	1334042	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	Ave	34288 1619753	79049 3521358	150718	339018	812116	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	Ave	+++++ 659498	33386 1406915	69242	140115	334933	+++++ 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	Ave	+++++ 497838	28683 1053268	56494	112796	271144	+++++ 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_003.D
Lims ID: STD1 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 03-Dec-2013 06:43:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub1

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 24-Dec-2013 10:56:22 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK006

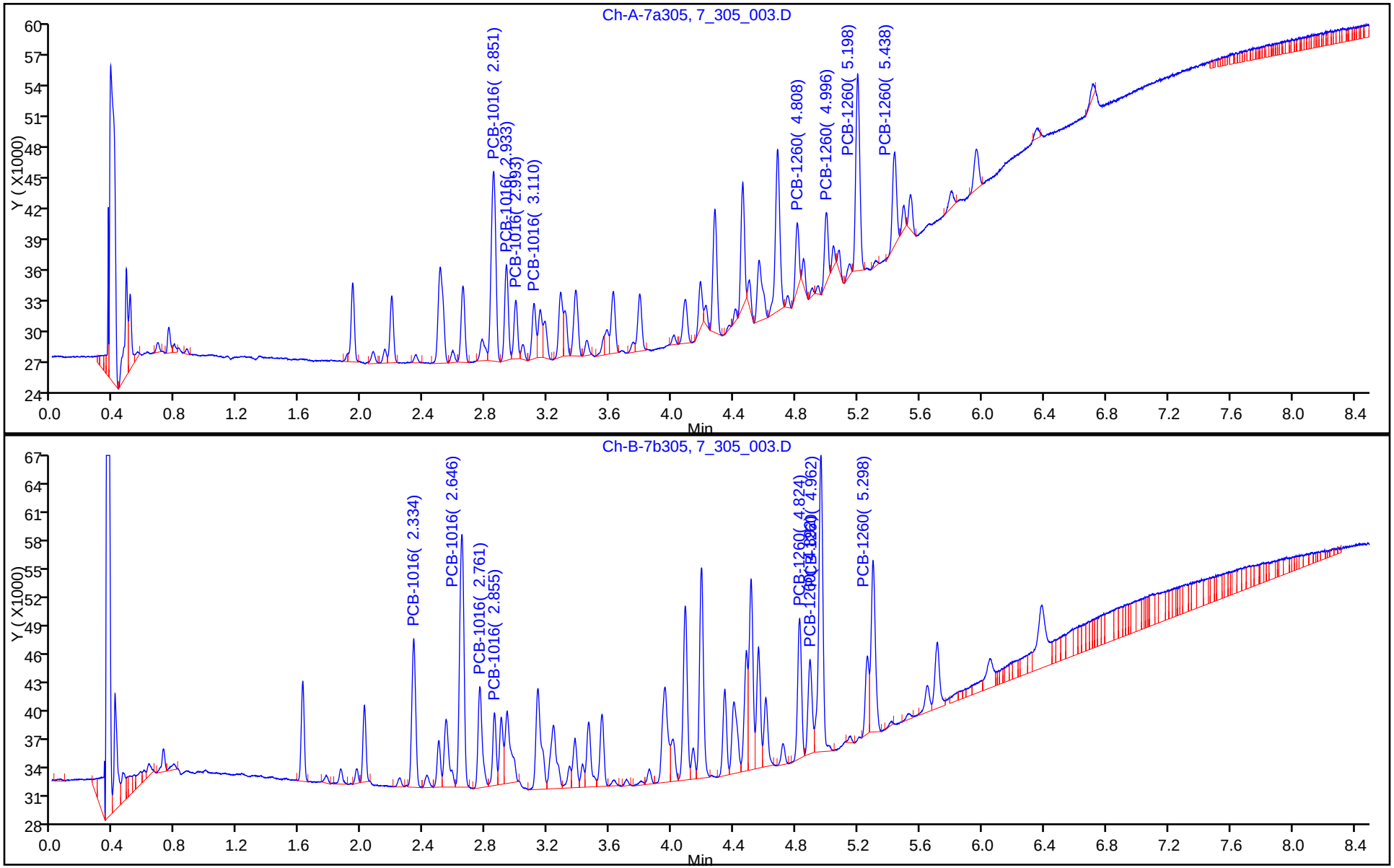
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
6 PCB-1016						
1	2.851	2.850	0.001	38067	0.0227	
1	2.933	2.933	0.0	15239	0.0237	
1	2.993	2.993	0.0	9171	0.0222	
1	3.110	3.109	0.001	9077	0.0234	
		Average of Peak Amounts =			0.0230	
2	2.334	2.333	0.001	26681	0.0233	
2	2.646	2.645	0.001	51337	0.0220	
2	2.761	2.760	0.001	19891	0.0228	
2	2.855	2.854	0.001	11795	0.0223	
		Average of Peak Amounts =			0.0226	
					RPD = 1.58	
9 PCB-1260						
1	4.808	4.809	-0.001	9912	0.0168	
1	4.996	4.997	-0.001	10756	0.0184	
1	5.198	5.198	0.0	33553	0.0210	
1	5.438	5.437	0.001	16430	0.0198	
		Average of Peak Amounts =			0.0190	
2	4.824	4.823	0.001	25056	0.0217	
2	4.892	4.892	0.0	18300	0.0217	
2	4.962	4.961	0.001	58658	0.0217	
2	5.298	5.298	0.0	34288	0.0211	
		Average of Peak Amounts =			0.0216	
					RPD = 12.72	
$ 3 Tetrachloro-m-xylene						
1	1.941	5.068	-3.127	11355	0.000530	
2	1.619	1.618	0.001	13944	0.000514	
					RPD = 3.08	
$ 12 DCB Decachlorobiphenyl						
1	6.713	6.719	-0.006	2312	0.000146	
2	6.387	6.386	0.001	27843	0.001269	
					RPD = 158.81	

Report Date: 24-Dec-2013 10:56:24 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_003.D

Injection Date:	03-Dec-2013 06:43:00	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	STD1	Lab Sample ID:		Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_004.D
Lims ID: STD2 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 03-Dec-2013 06:58:55 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub1

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 24-Dec-2013 10:56:25 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK006

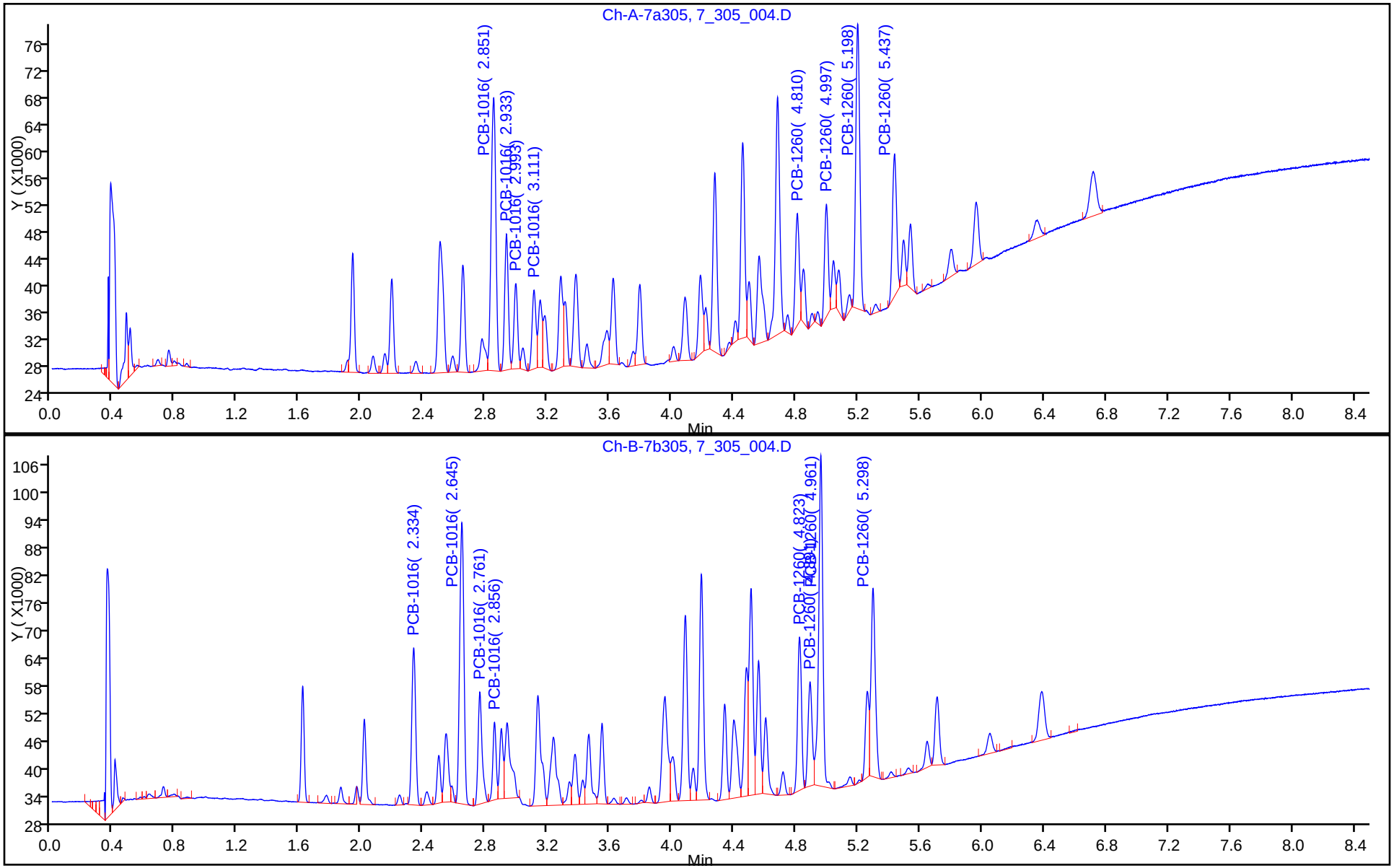
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
6 PCB-1016						
1	2.851	2.850	0.001	85630	0.0510	
1	2.933	2.933	0.0	33394	0.0520	
1	2.993	2.993	0.001	21101	0.0511	
1	3.111	3.109	0.002	20674	0.0532	
		Average of Peak Amounts =			0.0518	
2	2.334	2.333	0.001	59267	0.0517	
2	2.645	2.645	0.0	115796	0.0497	
2	2.761	2.760	0.001	43723	0.0502	
2	2.856	2.854	0.002	25010	0.0474	
		Average of Peak Amounts =			0.0497	
					RPD = 4.06	
9 PCB-1260						
1	4.810	4.809	0.001	29246	0.0496	
1	4.997	4.997	0.0	27688	0.0473	
1	5.198	5.198	0.0	77030	0.0481	
1	5.437	5.437	0.0	39424	0.0475	
		Average of Peak Amounts =			0.0481	
2	4.823	4.823	0.0	57345	0.0497	
2	4.891	4.892	-0.001	41607	0.0494	
2	4.961	4.961	0.0	134077	0.0496	
2	5.298	5.298	0.0	79049	0.0487	
		Average of Peak Amounts =			0.0493	
					RPD = 2.49	
$ 3 Tetrachloro-m-xylene						
1	1.941	5.068	-3.127	26354	0.001231	
2	1.618	1.618	0.0	33386	0.001231	
					RPD = 0.03	
$ 12 DCB Decachlorobiphenyl						
1	6.718	6.719	-0.001	20415	0.001286	
2	6.386	6.386	0.0	28683	0.001307	
					RPD = 1.62	

Report Date: 24-Dec-2013 10:56:26 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_004.D

Injection Date:	03-Dec-2013 06:58:55	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	STD2	Lab Sample ID:		Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_005.D
Lims ID: std3 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 03-Dec-2013 07:14:50 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub1

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 24-Dec-2013 10:56:28 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK006

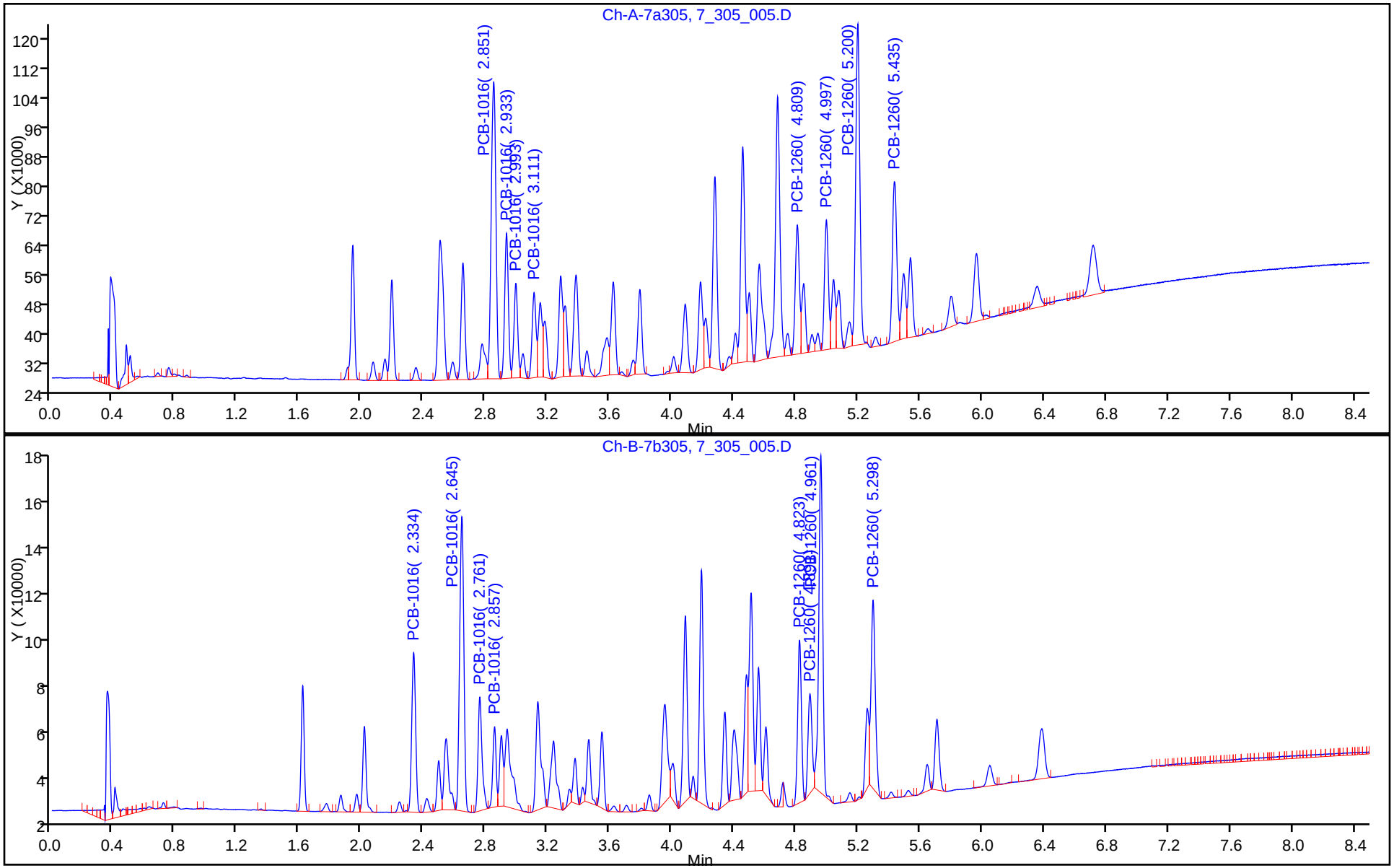
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
6 PCB-1016						
1	2.851	2.850	0.001	169112	0.1006	
1	2.933	2.933	0.001	65515	0.1020	
1	2.993	2.993	0.001	42970	0.1040	
1	3.111	3.109	0.002	40449	0.1041	
		Average of Peak Amounts =			0.1027	
2	2.334	2.333	0.001	115799	0.1011	
2	2.645	2.645	0.0	230326	0.0989	
2	2.761	2.760	0.001	85698	0.0983	
2	2.857	2.854	0.003	49581	0.0939	
		Average of Peak Amounts =			0.0981	
					RPD = 4.62	
9 PCB-1260						
1	4.809	4.809	0.0	64234	0.1089	
1	4.997	4.997	0.0	62026	0.1060	
1	5.200	5.198	0.002	160785	0.1004	
1	5.435	5.437	-0.002	87318	0.1052	
		Average of Peak Amounts =			0.1051	
2	4.823	4.823	0.0	113524	0.0983	
2	4.891	4.892	-0.001	74862	0.0889	
2	4.961	4.961	0.0	251647	0.0931	
2	5.298	5.298	0.0	150718	0.0928	
		Average of Peak Amounts =			0.0933	
					RPD = 11.94	
$ 3 Tetrachloro-m-xylene						
1	1.942	5.068	-3.126	53927	0.002518	
2	1.618	1.618	0.0	69242	0.002553	
					RPD = 1.38	
$ 12 DCB Decachlorobiphenyl						
1	6.719	6.719	0.0	42764	0.002694	
2	6.387	6.386	0.001	56494	0.002575	
					RPD = 4.54	

Report Date: 24-Dec-2013 10:56:29 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_005.D

Injection Date:	03-Dec-2013 07:14:50	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	std3	Lab Sample ID:		Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_006.D
Lims ID: STD4 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 03-Dec-2013 07:30:36 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub1

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 24-Dec-2013 10:56:31 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK006

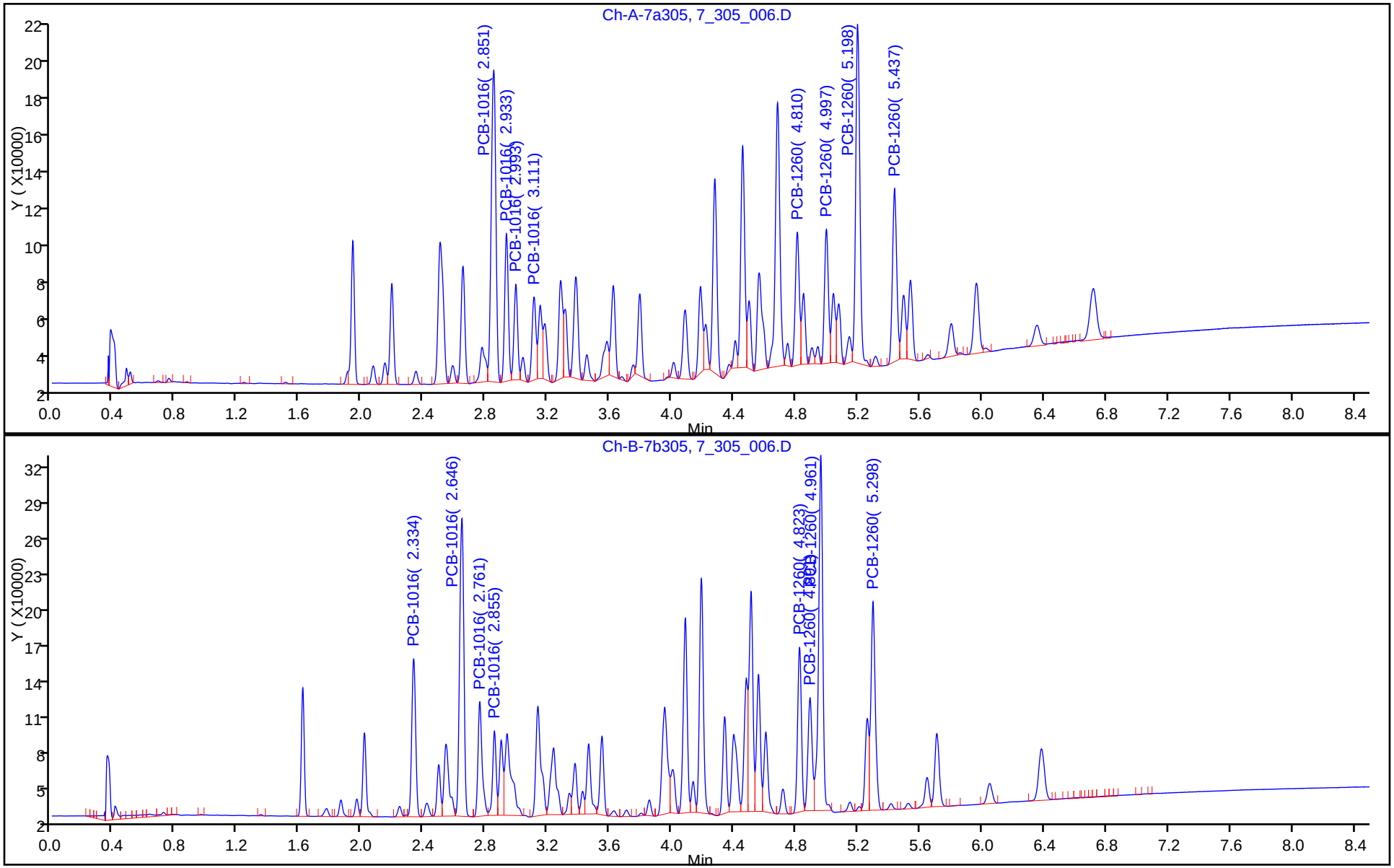
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
6 PCB-1016						
1	2.851	2.850	0.001	333468	0.1984	
1	2.933	2.933	0.0	125233	0.1949	
1	2.993	2.993	0.001	80770	0.1955	
1	3.111	3.109	0.002	75986	0.1956	
		Average of Peak Amounts =			0.1961	
2	2.334	2.333	0.001	228643	0.1995	
2	2.646	2.645	0.001	469942	0.2018	
2	2.761	2.760	0.001	175722	0.2016	
2	2.855	2.854	0.001	110025	0.2083	
		Average of Peak Amounts =			0.2028	
					RPD = 3.37	
9 PCB-1260						
1	4.810	4.809	0.001	123811	0.2099	
1	4.997	4.997	0.0	121611	0.2079	
1	5.198	5.198	0.0	328063	0.2049	
1	5.437	5.437	0.0	170388	0.2053	
		Average of Peak Amounts =			0.2070	
2	4.823	4.823	0.0	233161	0.2019	
2	4.891	4.892	-0.001	176846	0.2101	
2	4.961	4.961	0.0	551262	0.2040	
2	5.298	5.298	0.0	339018	0.2088	
		Average of Peak Amounts =			0.2062	
					RPD = 0.39	
$ 3 Tetrachloro-m-xylene						
1	1.942	5.068	-3.126	109370	0.005107	
2	1.619	1.618	0.001	140115	0.005166	
					RPD = 1.15	
$ 12 DCB Decachlorobiphenyl						
1	6.720	6.719	0.001	84227	0.005307	
2	6.383	6.386	-0.003	112796	0.005141	
					RPD = 3.17	

Report Date: 24-Dec-2013 10:56:32 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_006.D

Injection Date:	03-Dec-2013 07:30:36	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	STD4	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_007.D
Lims ID: STD5 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 03-Dec-2013 07:46:26 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub1

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 24-Dec-2013 10:56:34 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK006

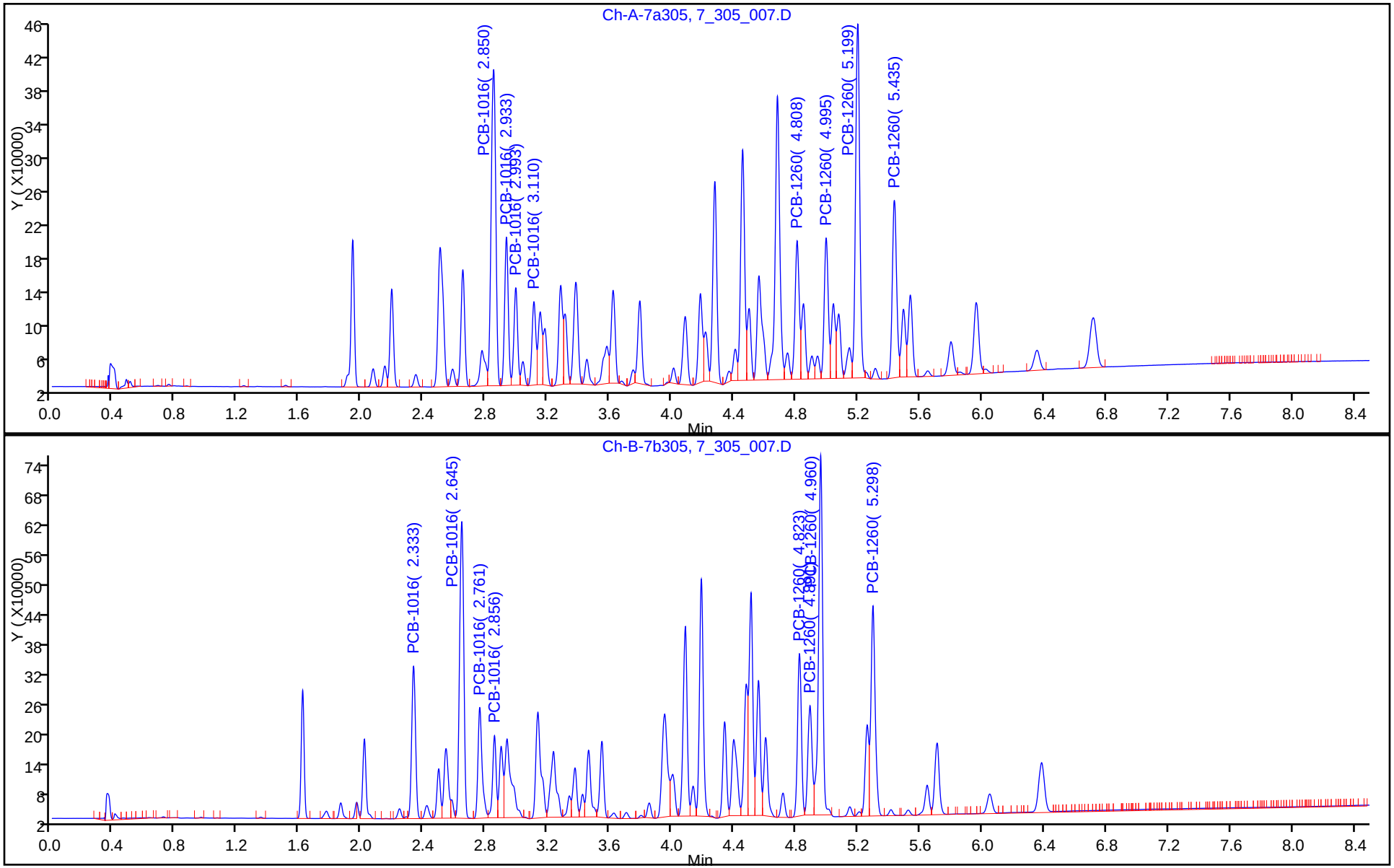
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
6 PCB-1016						
1	2.850	2.850	0.0	786304	0.4679	
1	2.933	2.933	0.0	291099	0.4531	
1	2.993	2.993	0.0	194496	0.4708	
1	3.110	3.109	0.001	174008	0.4480	
		Average of Peak Amounts =			0.4599	
2	2.333	2.333	0.0	525013	0.4582	
2	2.645	2.645	0.0	1120688	0.4813	
2	2.761	2.760	0.001	411562	0.4723	
2	2.856	2.854	0.002	260099	0.4925	
		Average of Peak Amounts =			0.4761	
					RPD = 3.45	
9 PCB-1260						
1	4.808	4.809	-0.001	307665	0.5217	
1	4.995	4.997	-0.002	305950	0.5229	
1	5.199	5.198	0.001	795462	0.4968	
1	5.435	5.437	-0.002	412442	0.4970	
		Average of Peak Amounts =			0.5096	
2	4.823	4.823	-0.001	557212	0.4825	
2	4.891	4.892	-0.001	418060	0.4966	
2	4.960	4.961	-0.001	1334042	0.4937	
2	5.298	5.298	0.0	812116	0.5002	
		Average of Peak Amounts =			0.4933	
					RPD = 3.26	
$ 3 Tetrachloro-m-xylene						
1	1.941	5.068	-3.127	269417	0.0126	
2	1.618	1.618	0.0	334933	0.0123	
					RPD = 1.86	
$ 12 DCB Decachlorobiphenyl						
1	6.718	6.719	-0.001	183791	0.0116	
2	6.385	6.386	-0.001	271144	0.0124	

Report Date: 24-Dec-2013 10:56:35 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_007.D

Injection Date:	03-Dec-2013 07:46:26	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	STD5	Lab Sample ID:		Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_008.D
Lims ID: STD6 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 03-Dec-2013 08:02:18 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub1

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 24-Dec-2013 10:56:36 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK006

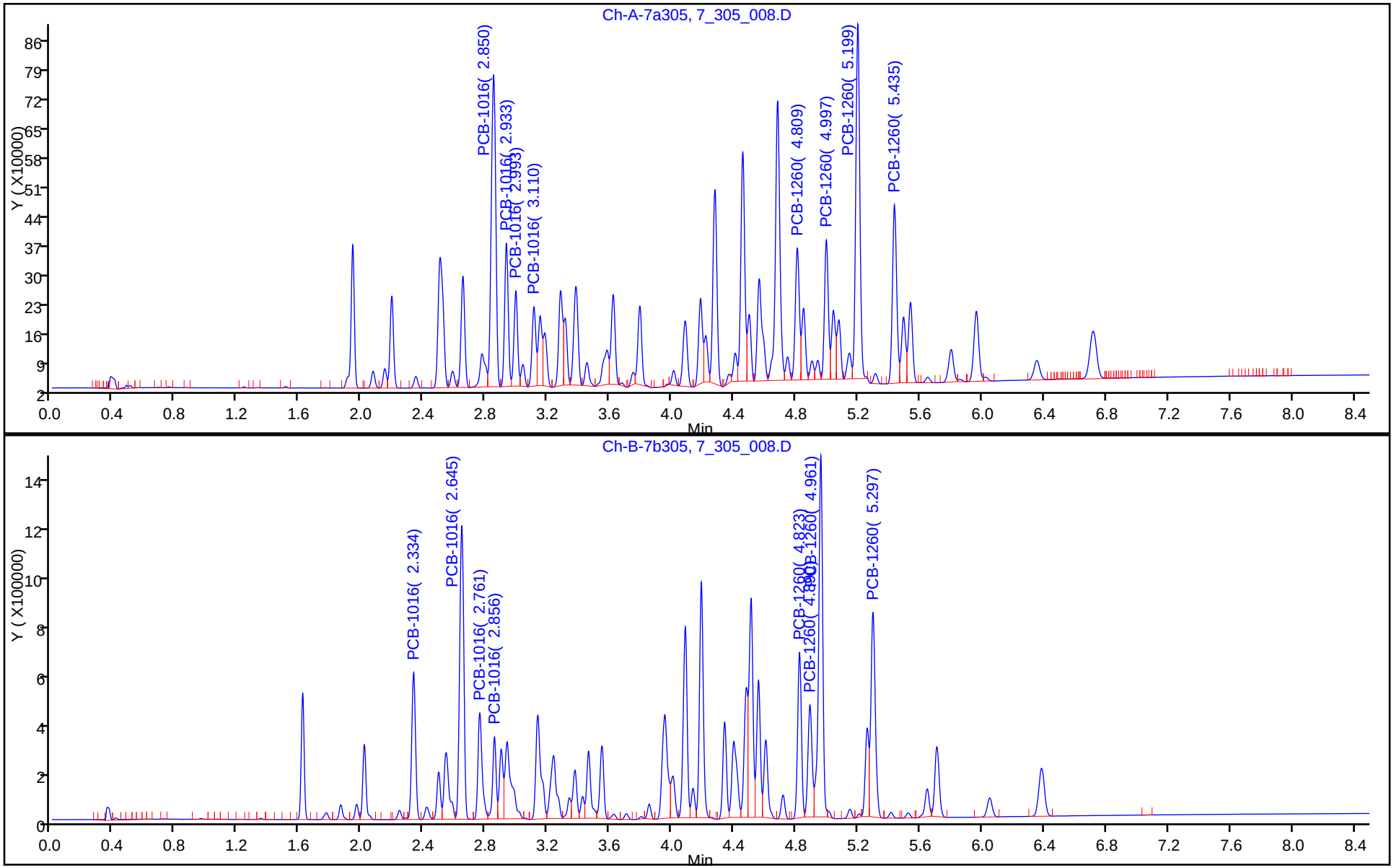
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
6 PCB-1016						
1	2.850	2.850	0.0	1535424	0.9137	
1	2.933	2.933	0.0	561596	0.8741	
1	2.993	2.993	0.001	375699	0.9094	
1	3.110	3.109	0.001	330788	0.8516	
		Average of Peak Amounts =			0.8872	
2	2.334	2.333	0.001	1004203	0.8764	
2	2.645	2.645	0.0	2192491	0.9417	
2	2.761	2.760	0.001	801044	0.9192	
2	2.856	2.854	0.002	512585	0.9706	
		Average of Peak Amounts =			0.9270	
					RPD = 4.38	
9 PCB-1260						
1	4.809	4.809	0.0	581146	0.9854	
1	4.997	4.997	0.0	578656	0.9890	
1	5.199	5.198	0.001	1550436	0.9682	
1	5.435	5.437	-0.002	819226	0.9872	
		Average of Peak Amounts =			0.9825	
2	4.823	4.823	0.0	1113465	0.9642	
2	4.890	4.892	-0.002	834660	0.99	
2	4.961	4.961	0.0	2658362	0.9837	
2	5.297	5.298	-0.001	1619753	1.00	
		Average of Peak Amounts =			0.9843	
					RPD = 0.18	
$ 3 Tetrachloro-m-xylene						
1	1.941	5.068	-3.127	524781	0.0245	
2	1.618	1.618	0.0	659498	0.0243	
					RPD = 0.77	
$ 12 DCB Decachlorobiphenyl						
1	6.718	6.719	-0.001	359387	0.0226	
2	6.384	6.386	-0.002	497838	0.0227	
					RPD = 0.44	

Report Date: 24-Dec-2013 10:56:38 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_008.D

Injection Date:	03-Dec-2013 08:02:18	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	STD6	Lab Sample ID:		Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_009.D
Lims ID: STD7 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Dec-2013 08:18:14 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub1

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 24-Dec-2013 10:56:39 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK006

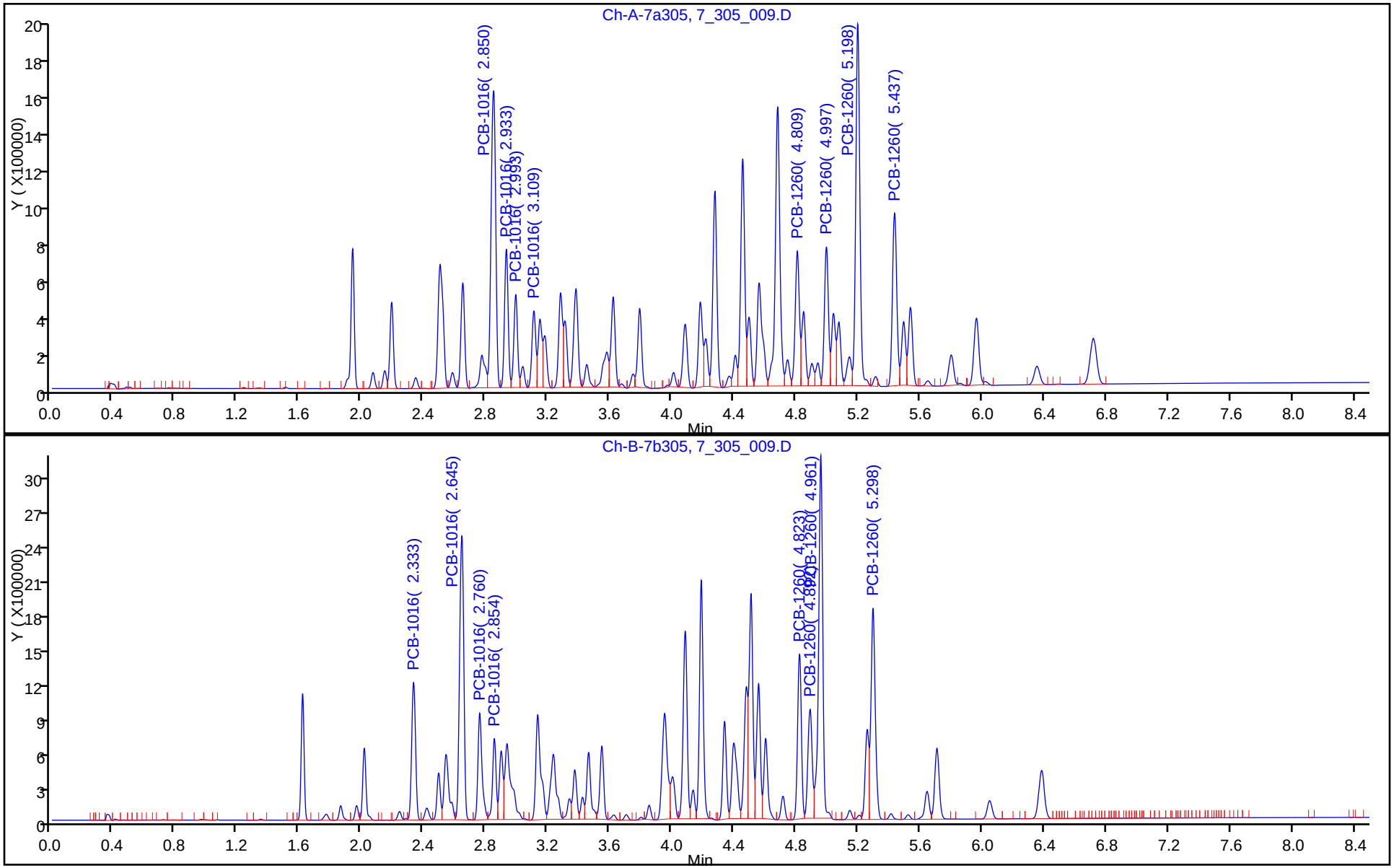
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
6 PCB-1016						
1	2.850	2.850	0.0	3213612	1.92	E
1	2.933	2.933	0.0	1176706	1.85	E
1	2.993	2.993	0.0	800930	1.95	E
1	3.109	3.109	0.0	690000	1.81	E
		Average of Peak Amounts =			1.88	
2	2.333	2.333	0.0	2046883	1.81	E
2	2.645	2.645	0.0	4602848	1.98	E
2	2.760	2.760	0.0	1681844	1.94	E
2	2.854	2.854	0.0	1100002	2.07	E
		Average of Peak Amounts =			1.95	
					RPD = 3.57	
9 PCB-1260						
1	4.809	4.809	0.0	1309281	2.19	E
1	4.997	4.997	0.0	1311183	2.20	E
1	5.198	5.198	0.0	3473086	2.14	E
1	5.437	5.437	0.0	1750447	2.09	E
		Average of Peak Amounts =			2.16	
2	4.823	4.823	0.0	2397816	2.07	E
2	4.892	4.892	0.0	1803628	2.12	E
2	4.961	4.961	0.0	5790019	2.12	E
2	5.298	5.298	0.0	3521358	2.14	E
		Average of Peak Amounts =			2.11	
					RPD = 2.05	
$ 3 Tetrachloro-m-xylene						
1	1.941	1.941	0.0	1100339	0.0511	
2	1.618	1.618	0.0	1406915	0.0516	
					RPD = 0.79	
$ 12 DCB Decachlorobiphenyl						
1	6.719	6.719	0.0	722591	0.0462	
2	6.386	6.386	0.0	1053268	0.0483	
					RPD = 4.45	

Report Date: 24-Dec-2013 10:56:40 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_009.D

Injection Date:	03-Dec-2013 08:18:14	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	STD7	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 08:49 Calibration End Date: 12/03/2013 08:49 Calibration ID: 16360

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-155278/8	7_305_011.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.508										1.478 - 1.538	1.508
PCB-1221 Peak 2	1.765										1.735 - 1.795	1.765
PCB-1221 Peak 3	2.074										2.044 - 2.104	2.074
PCB-1221 Peak 4	2.193										2.163 - 2.223	2.193

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 08:49 Calibration End Date: 12/03/2013 08:49 Calibration ID: 16360

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-155278/8	7_305_011.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	147390				Ave		147390.000						10.0			
PCB-1221 Peak 2	50166				Ave		50166.0000						10.0			
PCB-1221 Peak 3	213654				Ave		213654.000						10.0			
PCB-1221 Peak 4	498004				Ave		498004.000						10.0			

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

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 08:49 Calibration End Date: 12/03/2013 08:49 Calibration ID: 16360

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-155278/8	7_305_011.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	73695					0.500				
PCB-1221 Peak 2	Ave	25083					0.500				
PCB-1221 Peak 3	Ave	106827					0.500				
PCB-1221 Peak 4	Ave	249002					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_011.D
Lims ID: std21 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Dec-2013 08:49:56 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub2

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 03-Dec-2013 14:04:31 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK048

First Level Reviewer: michalej Date: 03-Dec-2013 09:18:38

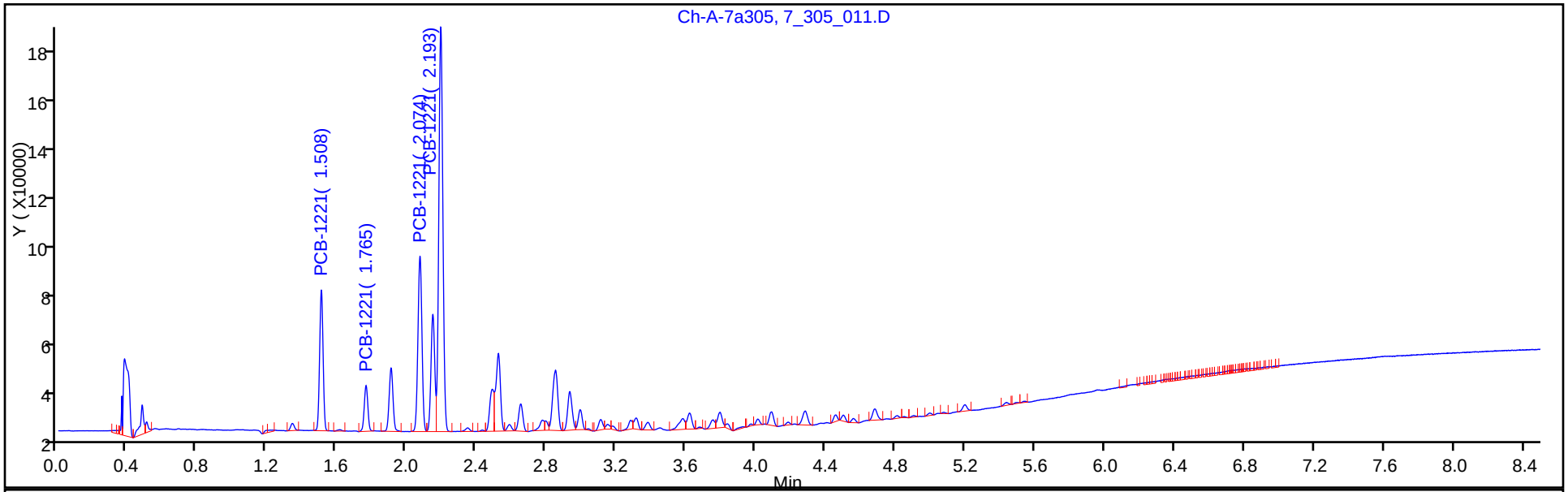
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
2 PCB-1221						
1	1.508	1.508	0.0	73695	0.5000	
1	1.765	1.765	0.0	25083	0.5000	
1	2.074	2.074	0.0	106827	0.5000	
1	2.193	2.193	0.0	249002	0.5000	
		Average of Peak Amounts =			0.5000	
2	1.348	1.348	0.0	92852	0.5000	
2	1.768	1.768	0.0	46647	0.5000	
2	1.865	1.865	0.0	138410	0.5000	
2	2.017	2.017	0.0	293867	0.5000	
		Average of Peak Amounts =			0.5000	
					RPD = 0.00	

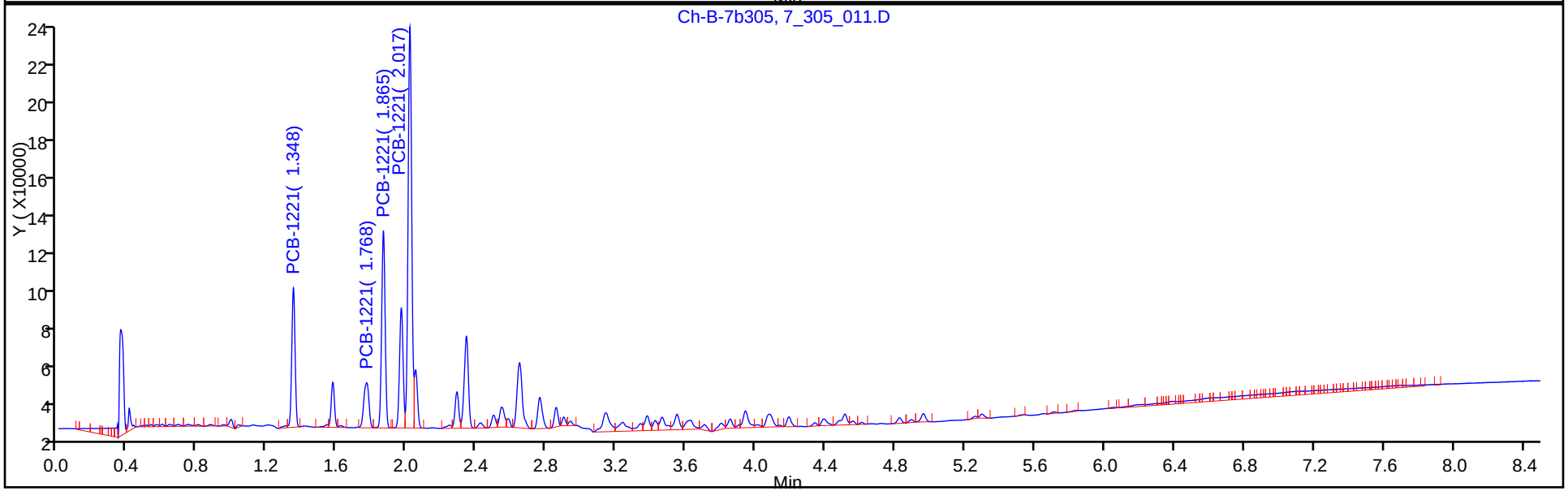
Report Date: 03-Dec-2013 14:04:32 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_011.D

Injection Date:	03-Dec-2013 08:49:56	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	std21	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		





FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 08:49 Calibration End Date: 12/03/2013 08:49 Calibration ID: 16361

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-155278/8	7_305_011.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.348										1.318 - 1.378	1.348
PCB-1221 Peak 2	1.768										1.738 - 1.798	1.768
PCB-1221 Peak 3	1.865										1.835 - 1.895	1.865
PCB-1221 Peak 4	2.017										1.987 - 2.047	2.017

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 08:49 Calibration End Date: 12/03/2013 08:49 Calibration ID: 16361

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-155278/8	7_305_011.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	185704				Ave		185704.000						10.0			
PCB-1221 Peak 2	93294				Ave		93294.0000						10.0			
PCB-1221 Peak 3	276820				Ave		276820.000						10.0			
PCB-1221 Peak 4	587734				Ave		587734.000						10.0			

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

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 08:49 Calibration End Date: 12/03/2013 08:49 Calibration ID: 16361

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-155278/8	7_305_011.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	92852					0.500				
PCB-1221 Peak 2	Ave	46647					0.500				
PCB-1221 Peak 3	Ave	138410					0.500				
PCB-1221 Peak 4	Ave	293867					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_011.D
Lims ID: std21 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Dec-2013 08:49:56 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub2

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 03-Dec-2013 14:04:31 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK048

First Level Reviewer: michalej Date: 03-Dec-2013 09:18:38

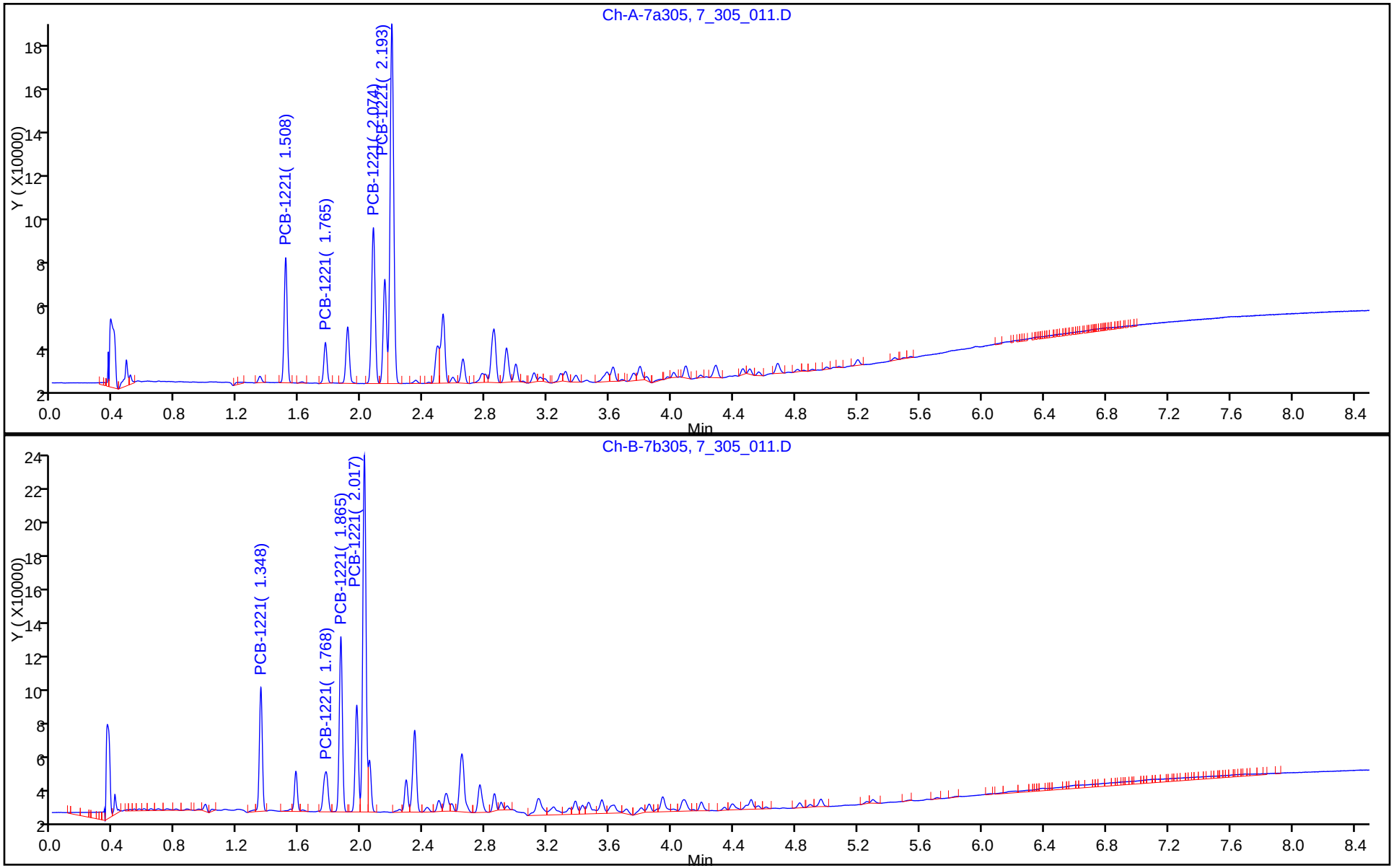
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
2 PCB-1221						
1	1.508	1.508	0.0	73695	0.5000	
1	1.765	1.765	0.0	25083	0.5000	
1	2.074	2.074	0.0	106827	0.5000	
1	2.193	2.193	0.0	249002	0.5000	
		Average of Peak Amounts =			0.5000	
2	1.348	1.348	0.0	92852	0.5000	
2	1.768	1.768	0.0	46647	0.5000	
2	1.865	1.865	0.0	138410	0.5000	
2	2.017	2.017	0.0	293867	0.5000	
		Average of Peak Amounts =			0.5000	
					RPD = 0.00	

Report Date: 03-Dec-2013 14:04:33 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_011.D

Injection Date:	03-Dec-2013 08:49:56	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	std21	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 09:21 Calibration End Date: 12/03/2013 09:21 Calibration ID: 16366

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-155278/11	7_305_013.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	2.194										2.164 - 2.224	2.194
PCB-1232 Peak 2	2.852										2.822 - 2.882	2.852
PCB-1232 Peak 3	2.933										2.903 - 2.963	2.933
PCB-1232 Peak 4	2.994										2.964 - 3.024	2.994

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 09:21 Calibration End Date: 12/03/2013 09:21 Calibration ID: 16366

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-155278/11	7_305_013.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	429436				Ave		429436.000						10.0			
PCB-1232 Peak 2	670896				Ave		670896.000						10.0			
PCB-1232 Peak 3	260686				Ave		260686.000						10.0			
PCB-1232 Peak 4	167312				Ave		167312.000						10.0			

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

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 09:21 Calibration End Date: 12/03/2013 09:21 Calibration ID: 16366

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-155278/11	7_305_013.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	214718					0.500				
PCB-1232 Peak 2	Ave	335448					0.500				
PCB-1232 Peak 3	Ave	130343					0.500				
PCB-1232 Peak 4	Ave	83656					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_013.D
Lims ID: std32 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Dec-2013 09:21:41 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub3

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 03-Dec-2013 14:04:34 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK048

First Level Reviewer: michalej Date: 03-Dec-2013 09:43:24

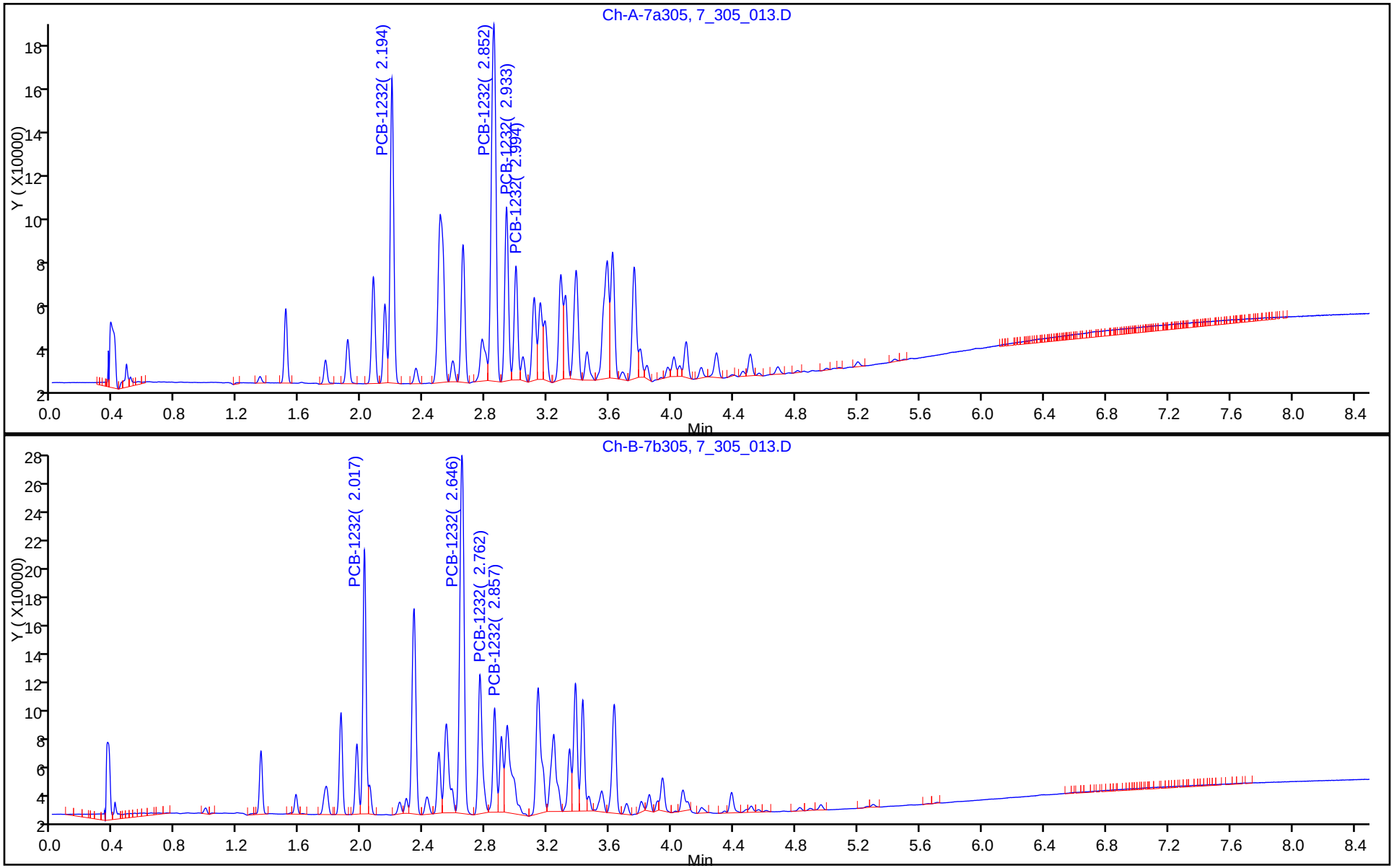
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
5 PCB-1232						
1	2.194	2.194	0.0	214718	0.5000	
1	2.852	2.852	0.0	335448	0.5000	
1	2.933	2.933	0.0	130343	0.5000	
1	2.994	2.994	0.0	83656	0.5000	
		Average of Peak Amounts =			0.5000	
2	2.017	2.017	0.0	260374	0.5000	
2	2.646	2.646	0.0	471062	0.5000	
2	2.762	2.762	0.0	175398	0.5000	
2	2.857	2.857	0.0	110942	0.5000	
		Average of Peak Amounts =			0.5000	
					RPD = 0.00	

Report Date: 03-Dec-2013 14:04:35 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_013.D

Injection Date:	03-Dec-2013 09:21:41	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	std32	Lab Sample ID:		Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 09:21 Calibration End Date: 12/03/2013 09:21 Calibration ID: 16367

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-155278/11	7_305_013.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	2.017										1.987 - 2.047	2.017
PCB-1232 Peak 2	2.646										2.616 - 2.676	2.646
PCB-1232 Peak 3	2.762										2.732 - 2.792	2.762
PCB-1232 Peak 4	2.857										2.827 - 2.887	2.857

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 09:21 Calibration End Date: 12/03/2013 09:21 Calibration ID: 16367

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-155278/11	7_305_013.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	520748				Ave		520748.000						10.0			
PCB-1232 Peak 2	942124				Ave		942124.000						10.0			
PCB-1232 Peak 3	350796				Ave		350796.000						10.0			
PCB-1232 Peak 4	221884				Ave		221884.000						10.0			

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

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 09:21 Calibration End Date: 12/03/2013 09:21 Calibration ID: 16367

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-155278/11	7_305_013.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	260374					0.500				
PCB-1232 Peak 2	Ave	471062					0.500				
PCB-1232 Peak 3	Ave	175398					0.500				
PCB-1232 Peak 4	Ave	110942					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_013.D
Lims ID: std32 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Dec-2013 09:21:41 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub3

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 03-Dec-2013 14:04:34 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK048

First Level Reviewer: michalej Date: 03-Dec-2013 09:43:24

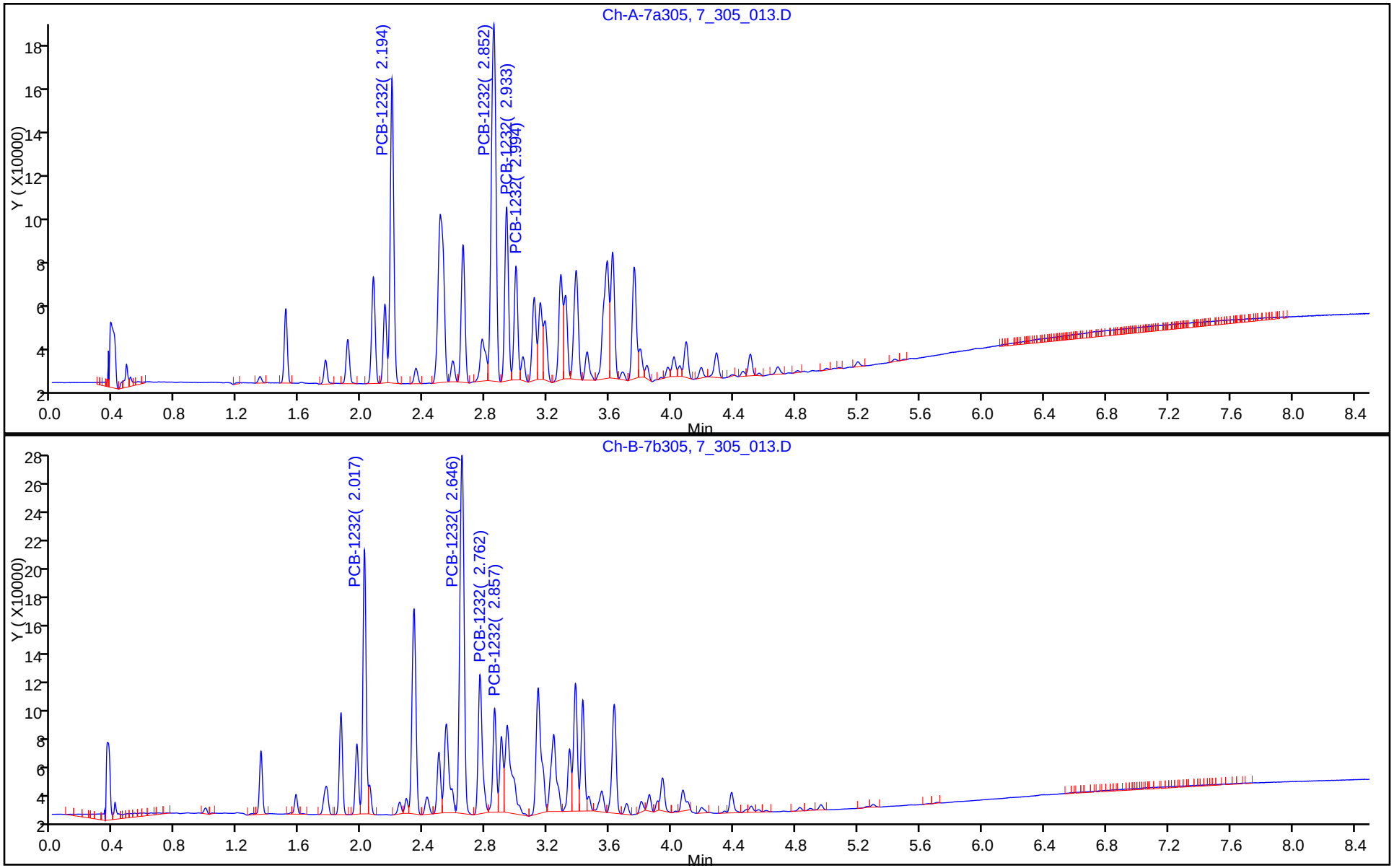
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
5 PCB-1232						
1	2.194	2.194	0.0	214718	0.5000	
1	2.852	2.852	0.0	335448	0.5000	
1	2.933	2.933	0.0	130343	0.5000	
1	2.994	2.994	0.0	83656	0.5000	
		Average of Peak Amounts =			0.5000	
2	2.017	2.017	0.0	260374	0.5000	
2	2.646	2.646	0.0	471062	0.5000	
2	2.762	2.762	0.0	175398	0.5000	
2	2.857	2.857	0.0	110942	0.5000	
		Average of Peak Amounts =			0.5000	
					RPD = 0.00	

Report Date: 03-Dec-2013 14:04:35 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_013.D

Injection Date:	03-Dec-2013 09:21:41	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	std32	Lab Sample ID:		Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 09:53 Calibration End Date: 12/03/2013 09:53 Calibration ID: 16372

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-155278/13	7_305_015.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.507										2.477 - 2.537	2.507
PCB-1242 Peak 2	2.852										2.822 - 2.882	2.852
PCB-1242 Peak 3	2.933										2.903 - 2.963	2.933
PCB-1242 Peak 4	2.994										2.964 - 3.024	2.994

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 09:53 Calibration End Date: 12/03/2013 09:53 Calibration ID: 16372

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-155278/13	7_305_015.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	637752				Ave		637752.000						10.0			
PCB-1242 Peak 2	1271180				Ave		1271180.00						10.0			
PCB-1242 Peak 3	478464				Ave		478464.000						10.0			
PCB-1242 Peak 4	315498				Ave		315498.000						10.0			

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

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 09:53 Calibration End Date: 12/03/2013 09:53 Calibration ID: 16372

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-155278/13	7_305_015.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	318876					0.500				
PCB-1242 Peak 2	Ave	635590					0.500				
PCB-1242 Peak 3	Ave	239232					0.500				
PCB-1242 Peak 4	Ave	157749					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_015.D
Lims ID: std42 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Dec-2013 09:53:25 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub4

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 03-Dec-2013 14:04:37 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK048

First Level Reviewer: michalej Date: 03-Dec-2013 10:10:43

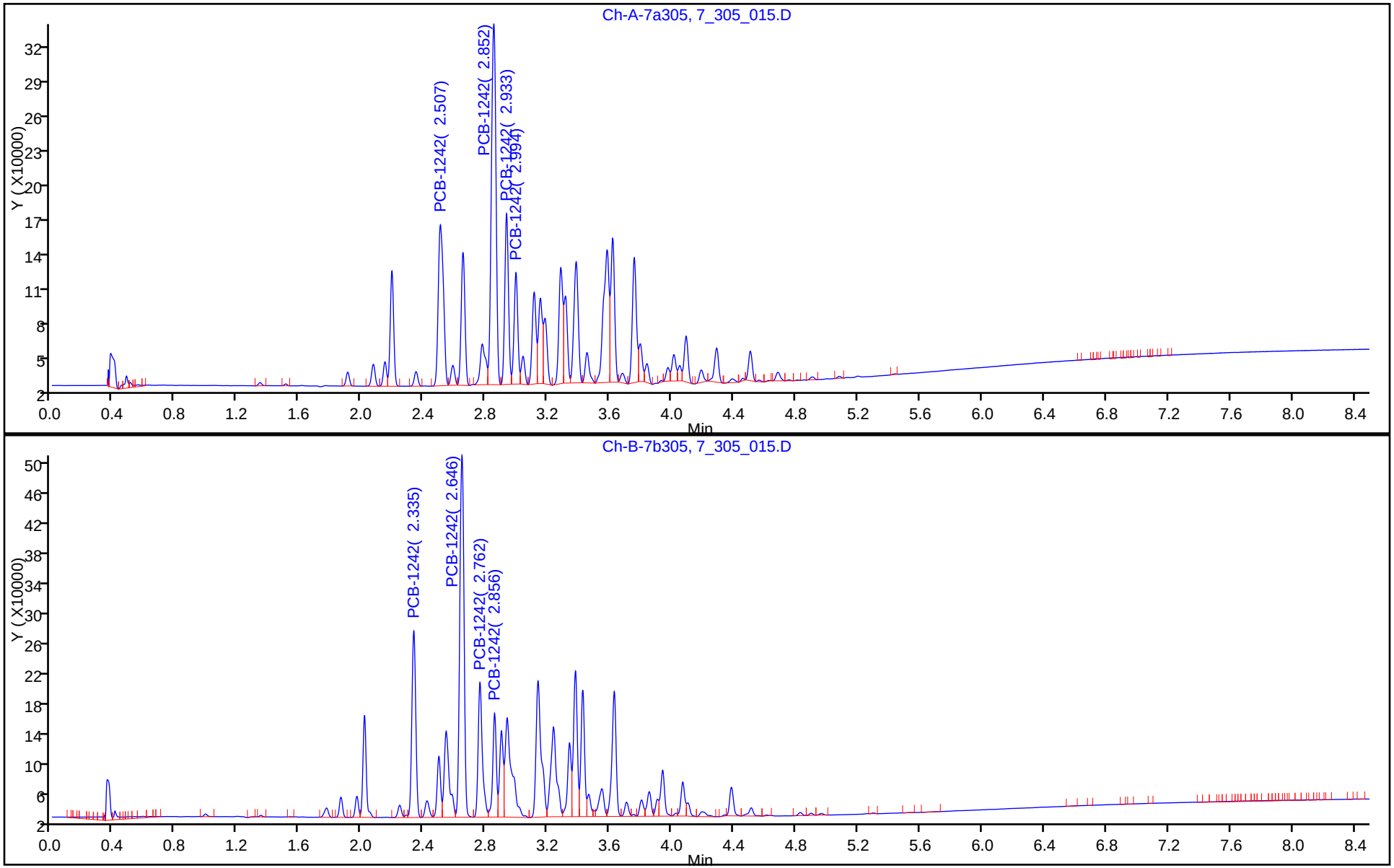
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
4 PCB-1242						
1	2.507	2.507	0.0	318876	0.5000	
1	2.852	2.852	0.0	635590	0.5000	
1	2.933	2.933	0.0	239232	0.5000	
1	2.994	2.994	0.0	157749	0.5000	
		Average of Peak Amounts =			0.5000	
2	2.335	2.335	0.0	430231	0.5000	
2	2.646	2.646	0.0	907589	0.5000	
2	2.762	2.762	0.0	335521	0.5000	
2	2.856	2.856	0.0	219435	0.5000	
		Average of Peak Amounts =			0.5000	
					RPD = 0.00	

Report Date: 03-Dec-2013 14:04:37 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_015.D

Injection Date:	03-Dec-2013 09:53:25	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	std42	Lab Sample ID:		Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 09:53 Calibration End Date: 12/03/2013 09:53 Calibration ID: 16373

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-155278/13	7_305_015.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.335										2.305 - 2.365	2.335
PCB-1242 Peak 2	2.646										2.616 - 2.676	2.646
PCB-1242 Peak 3	2.762										2.732 - 2.792	2.762
PCB-1242 Peak 4	2.856										2.826 - 2.886	2.856

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 09:53 Calibration End Date: 12/03/2013 09:53 Calibration ID: 16373

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-155278/13	7_305_015.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	860462				Ave		860462.000						10.0			
PCB-1242 Peak 2	1815178				Ave		1815178.00						10.0			
PCB-1242 Peak 3	671042				Ave		671042.000						10.0			
PCB-1242 Peak 4	438870				Ave		438870.000						10.0			

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

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 09:53 Calibration End Date: 12/03/2013 09:53 Calibration ID: 16373

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-155278/13	7_305_015.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	430231					0.500				
PCB-1242 Peak 2	Ave	907589					0.500				
PCB-1242 Peak 3	Ave	335521					0.500				
PCB-1242 Peak 4	Ave	219435					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_015.D
Lims ID: std42 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Dec-2013 09:53:25 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub4

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 03-Dec-2013 14:04:37 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK048

First Level Reviewer: michalej Date: 03-Dec-2013 10:10:43

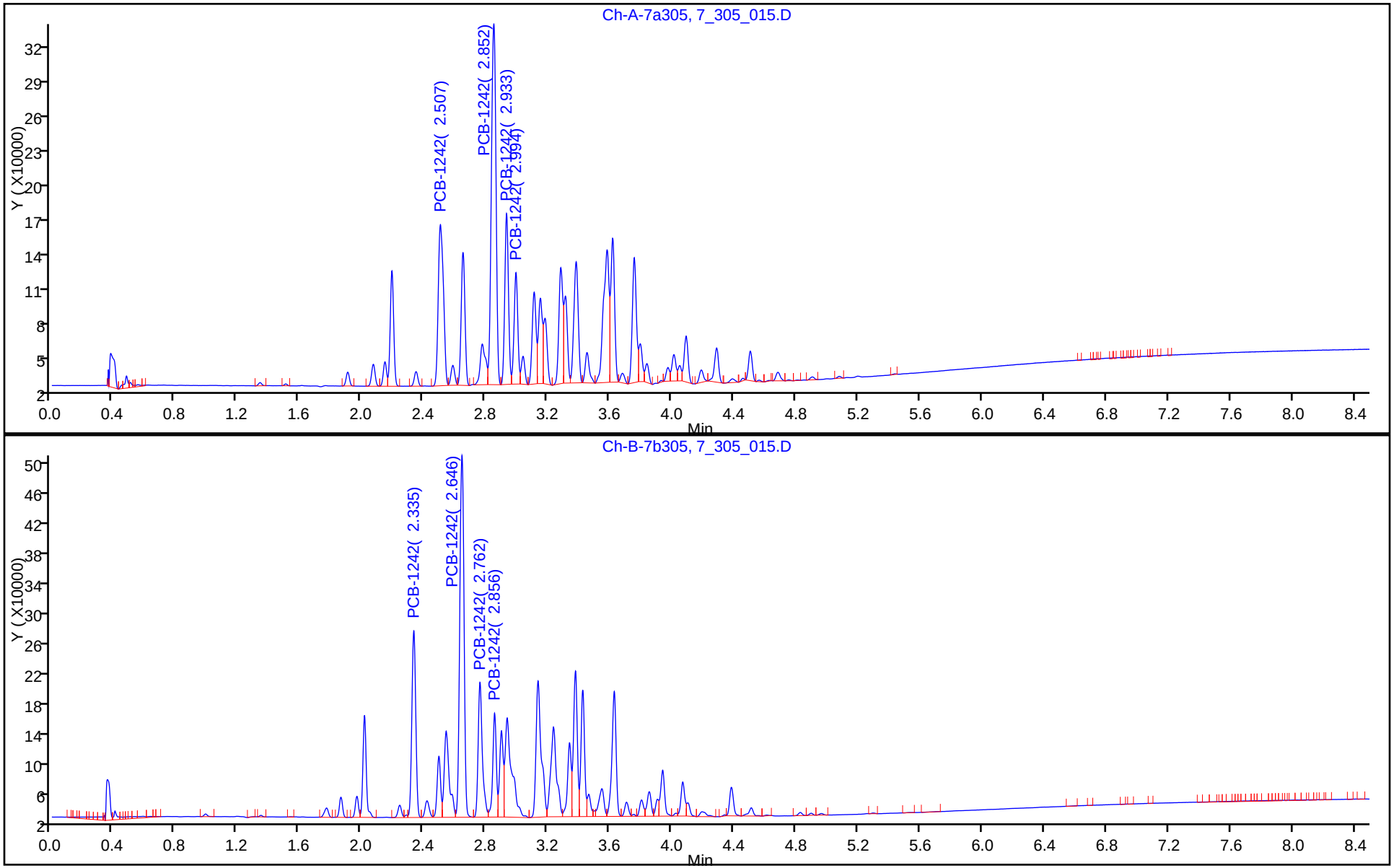
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
4 PCB-1242						
1	2.507	2.507	0.0	318876	0.5000	
1	2.852	2.852	0.0	635590	0.5000	
1	2.933	2.933	0.0	239232	0.5000	
1	2.994	2.994	0.0	157749	0.5000	
		Average of Peak Amounts =			0.5000	
2	2.335	2.335	0.0	430231	0.5000	
2	2.646	2.646	0.0	907589	0.5000	
2	2.762	2.762	0.0	335521	0.5000	
2	2.856	2.856	0.0	219435	0.5000	
		Average of Peak Amounts =			0.5000	
					RPD = 0.00	

Report Date: 03-Dec-2013 14:04:38 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_015.D

Injection Date:	03-Dec-2013 09:53:25	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	std42	Lab Sample ID:		Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 10:25 Calibration End Date: 12/03/2013 10:25 Calibration ID: 16378

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-155278/15	7_305_017.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	3.283										3.253 - 3.313	3.283
PCB-1248 Peak 2	3.381										3.351 - 3.411	3.381
PCB-1248 Peak 3	3.583										3.553 - 3.613	3.583
PCB-1248 Peak 4	3.758										3.728 - 3.788	3.758

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 10:25 Calibration End Date: 12/03/2013 10:25 Calibration ID: 16378

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-155278/15	7_305_017.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	820808				Ave		820808.000						10.0			
PCB-1248 Peak 2	636448				Ave		636448.000						10.0			
PCB-1248 Peak 3	1032886				Ave		1032886.00						10.0			
PCB-1248 Peak 4	631602				Ave		631602.000						10.0			

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

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 10:25 Calibration End Date: 12/03/2013 10:25 Calibration ID: 16378

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-155278/15	7_305_017.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	410404					0.500				
PCB-1248 Peak 2	Ave	318224					0.500				
PCB-1248 Peak 3	Ave	516443					0.500				
PCB-1248 Peak 4	Ave	315801					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_017.D
Lims ID: std48 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Dec-2013 10:25:14 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub5

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 03-Dec-2013 14:04:39 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK048

First Level Reviewer: michalej Date: 03-Dec-2013 10:38:13

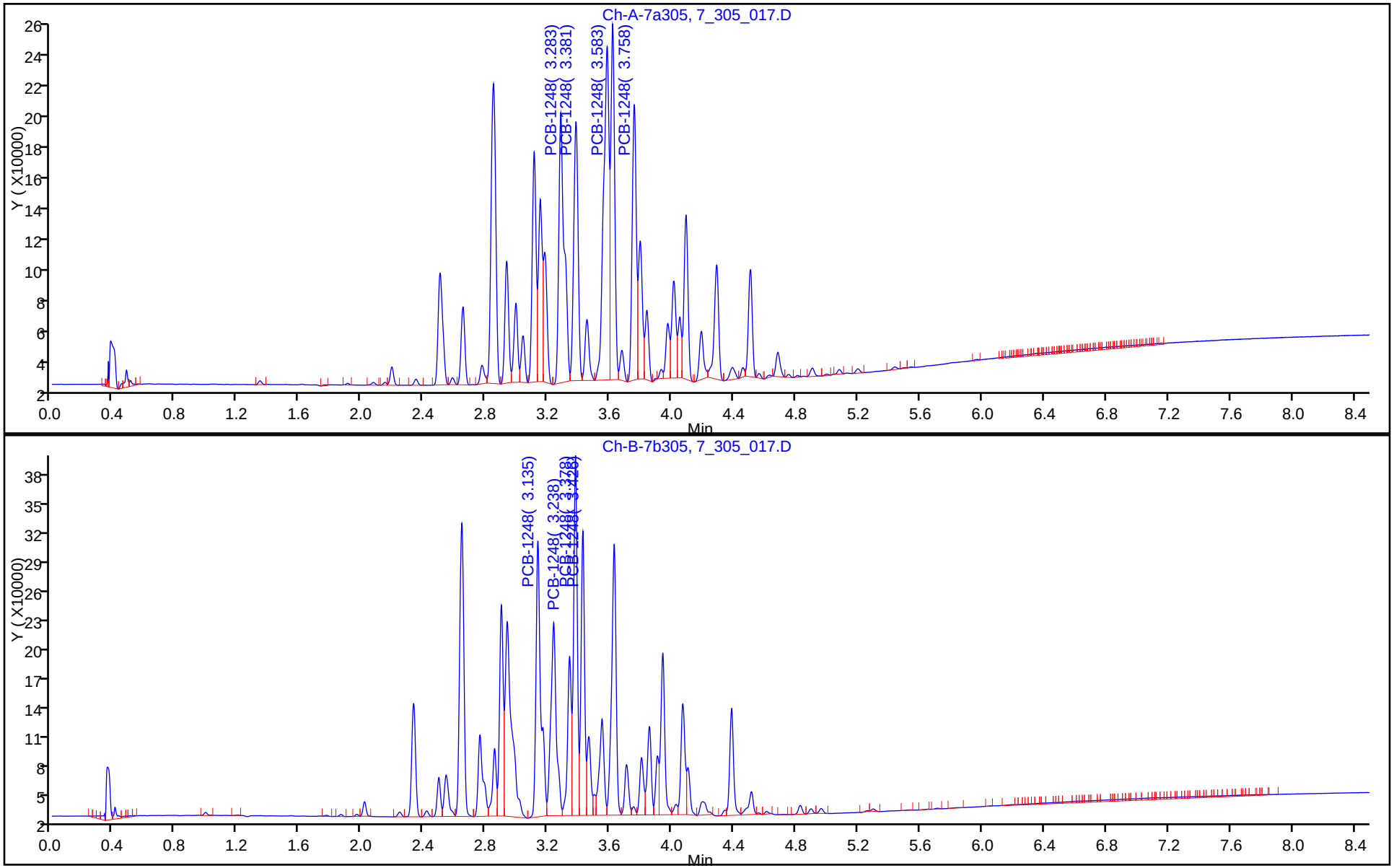
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
7 PCB-1248						
1	3.283	3.283	0.0	410404	0.5000	
1	3.381	3.381	0.0	318224	0.5000	
1	3.583	3.583	0.0	516443	0.5000	
1	3.758	3.758	0.0	315801	0.5000	
		Average of Peak Amounts =			0.5000	
2	3.135	3.135	0.0	596333	0.5000	
2	3.238	3.238	0.0	476454	0.5000	
2	3.378	3.378	0.0	593505	0.5000	
2	3.426	3.426	0.0	454408	0.5000	
		Average of Peak Amounts =			0.5000	
					RPD = 0.00	

Report Date: 03-Dec-2013 14:04:40 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_017.D

Injection Date:	03-Dec-2013 10:25:14	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	std48	Lab Sample ID:		Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 10:25 Calibration End Date: 12/03/2013 10:25 Calibration ID: 16379

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-155278/15	7_305_017.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	3.135										3.105 - 3.165	3.135
PCB-1248 Peak 2	3.238										3.208 - 3.268	3.238
PCB-1248 Peak 3	3.378										3.348 - 3.408	3.378
PCB-1248 Peak 4	3.426										3.396 - 3.456	3.426

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 10:25 Calibration End Date: 12/03/2013 10:25 Calibration ID: 16379

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-155278/15	7_305_017.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	1192666				Ave		1192666.00						10.0			
PCB-1248 Peak 2	952908				Ave		952908.000						10.0			
PCB-1248 Peak 3	1187010				Ave		1187010.00						10.0			
PCB-1248 Peak 4	908816				Ave		908816.000						10.0			

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

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 10:25 Calibration End Date: 12/03/2013 10:25 Calibration ID: 16379

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-155278/15	7_305_017.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	596333					0.500				
PCB-1248 Peak 2	Ave	476454					0.500				
PCB-1248 Peak 3	Ave	593505					0.500				
PCB-1248 Peak 4	Ave	454408					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_017.D
Lims ID: std48 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Dec-2013 10:25:14 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub5

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 03-Dec-2013 14:04:39 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK048

First Level Reviewer: michalej Date: 03-Dec-2013 10:38:13

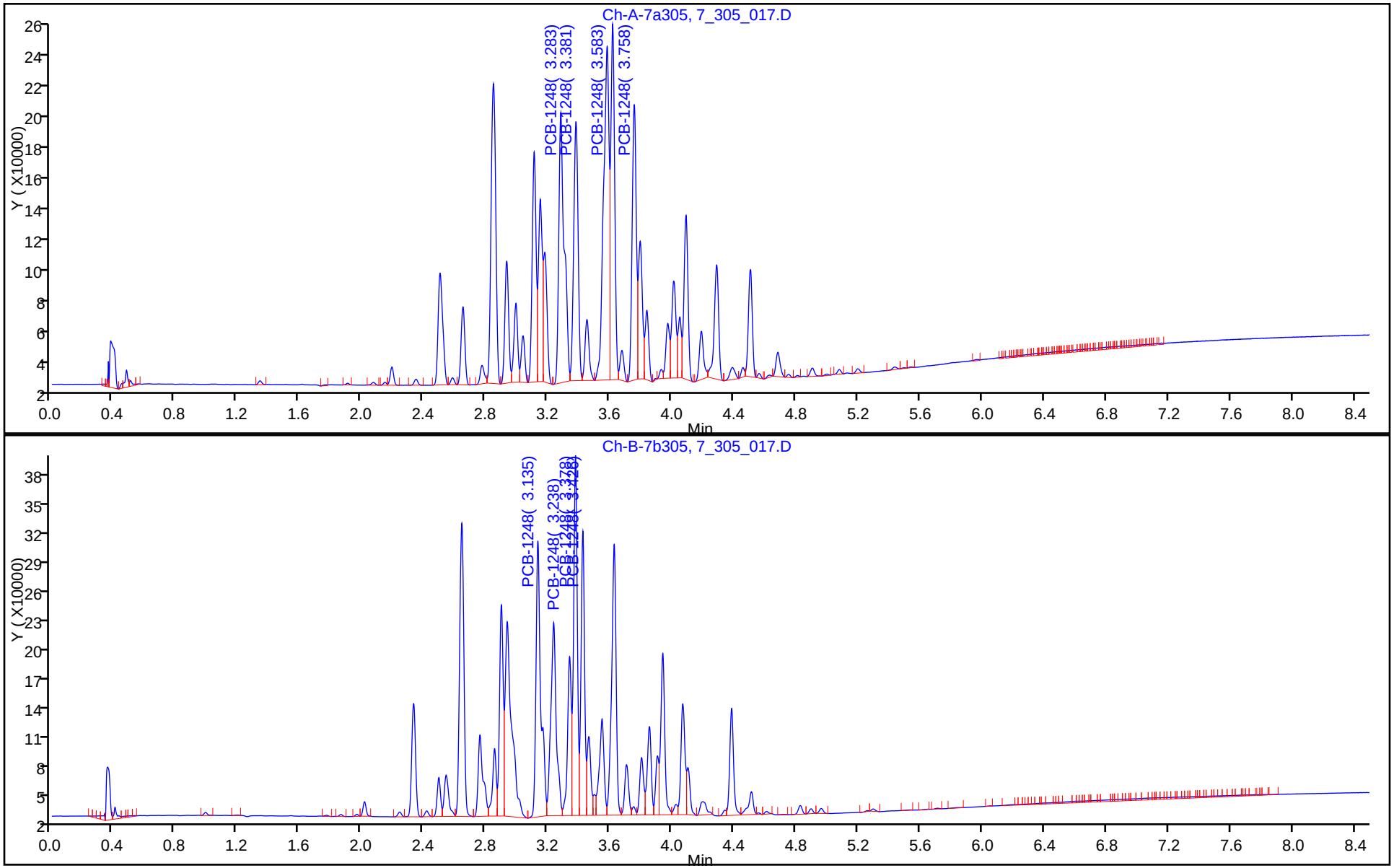
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
7 PCB-1248						
1	3.283	3.283	0.0	410404	0.5000	
1	3.381	3.381	0.0	318224	0.5000	
1	3.583	3.583	0.0	516443	0.5000	
1	3.758	3.758	0.0	315801	0.5000	
		Average of Peak Amounts =			0.5000	
2	3.135	3.135	0.0	596333	0.5000	
2	3.238	3.238	0.0	476454	0.5000	
2	3.378	3.378	0.0	593505	0.5000	
2	3.426	3.426	0.0	454408	0.5000	
		Average of Peak Amounts =			0.5000	
					RPD = 0.00	

Report Date: 03-Dec-2013 14:04:40 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_017.D

Injection Date:	03-Dec-2013 10:25:14	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	std48	Lab Sample ID:		Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 10:56 Calibration End Date: 12/03/2013 10:56 Calibration ID: 16384

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-155278/17	7_305_019.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	4.013										3.983 - 4.043	4.013
PCB-1254 Peak 2	4.092										4.062 - 4.122	4.092
PCB-1254 Peak 3	4.189										4.159 - 4.219	4.189
PCB-1254 Peak 4	4.287										4.257 - 4.317	4.287

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 10:56 Calibration End Date: 12/03/2013 10:56 Calibration ID: 16384

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-155278/17	7_305_019.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	602058				Ave		602058.000						10.0			
PCB-1254 Peak 2	1123966				Ave		1123966.00						10.0			
PCB-1254 Peak 3	207076				Ave		207076.000						10.0			
PCB-1254 Peak 4	1133030				Ave		1133030.00						10.0			

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

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 10:56 Calibration End Date: 12/03/2013 10:56 Calibration ID: 16384

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-155278/17	7_305_019.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	301029					0.500				
PCB-1254 Peak 2	Ave	561983					0.500				
PCB-1254 Peak 3	Ave	103538					0.500				
PCB-1254 Peak 4	Ave	566515					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_019.D
Lims ID: std54 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Dec-2013 10:56:55 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub6

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 03-Dec-2013 14:04:42 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK048

First Level Reviewer: michalej Date: 03-Dec-2013 11:08:34

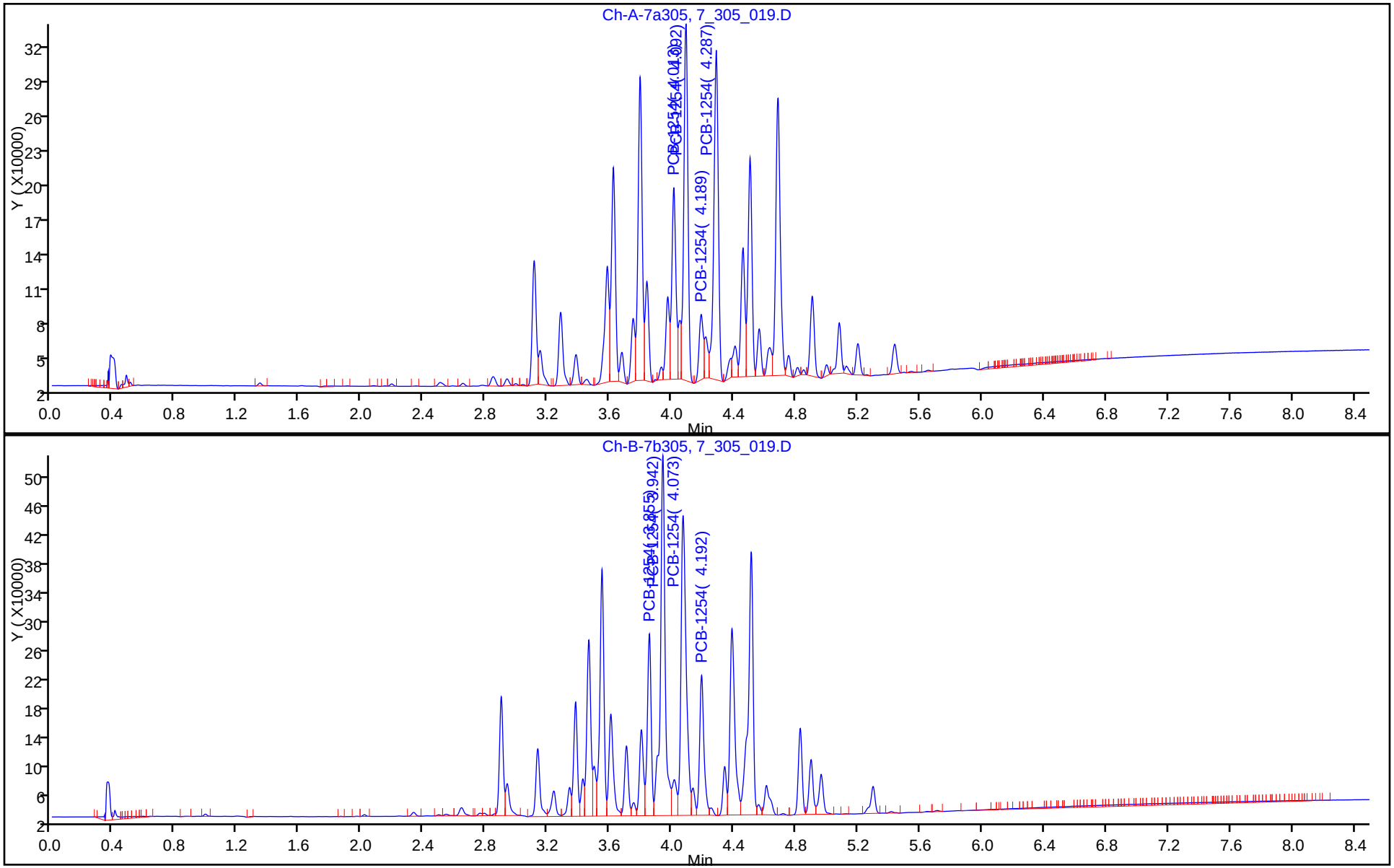
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
8 PCB-1254						
1	4.013	4.013	0.0	301029	0.5000	
1	4.092	4.092	0.0	561983	0.5000	
1	4.189	4.189	0.0	103538	0.5000	
1	4.287	4.287	0.0	566515	0.5000	
		Average of Peak Amounts =			0.5000	
2	3.855	3.855	0.0	429374	0.5000	
2	3.942	3.942	0.0	1058195	0.5000	
2	4.073	4.073	0.0	953577	0.5000	
2	4.192	4.192	0.0	372918	0.5000	
		Average of Peak Amounts =			0.5000	
					RPD = 0.00	

Report Date: 03-Dec-2013 14:04:43 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_019.D

Injection Date:	03-Dec-2013 10:56:55	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	std54	Lab Sample ID:		Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 10:56 Calibration End Date: 12/03/2013 10:56 Calibration ID: 16385

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-155278/17	7_305_019.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	3.855										3.825 - 3.885	3.855
PCB-1254 Peak 2	3.942										3.912 - 3.972	3.942
PCB-1254 Peak 3	4.073										4.043 - 4.103	4.073
PCB-1254 Peak 4	4.192										4.162 - 4.222	4.192

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 10:56 Calibration End Date: 12/03/2013 10:56 Calibration ID: 16385

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-155278/17	7_305_019.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	858748				Ave		858748.000						10.0			
PCB-1254 Peak 2	2116390				Ave		2116390.00						10.0			
PCB-1254 Peak 3	1907154				Ave		1907154.00						10.0			
PCB-1254 Peak 4	745836				Ave		745836.000						10.0			

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

FORM VI
PESTICIDES/PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1 Analy Batch No.: 155278

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 10:56 Calibration End Date: 12/03/2013 10:56 Calibration ID: 16385

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-155278/17	7_305_019.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	429374					0.500				
PCB-1254 Peak 2	Ave	1058195					0.500				
PCB-1254 Peak 3	Ave	953577					0.500				
PCB-1254 Peak 4	Ave	372918					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_019.D
Lims ID: std54 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Dec-2013 10:56:55 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: tchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub6

Method: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 03-Dec-2013 14:04:42 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Detector: Ch-A-7A136
Column 2 : Detector: Ch-B-7b136
Process Host: XAWRK048

First Level Reviewer: michalej Date: 03-Dec-2013 11:08:34

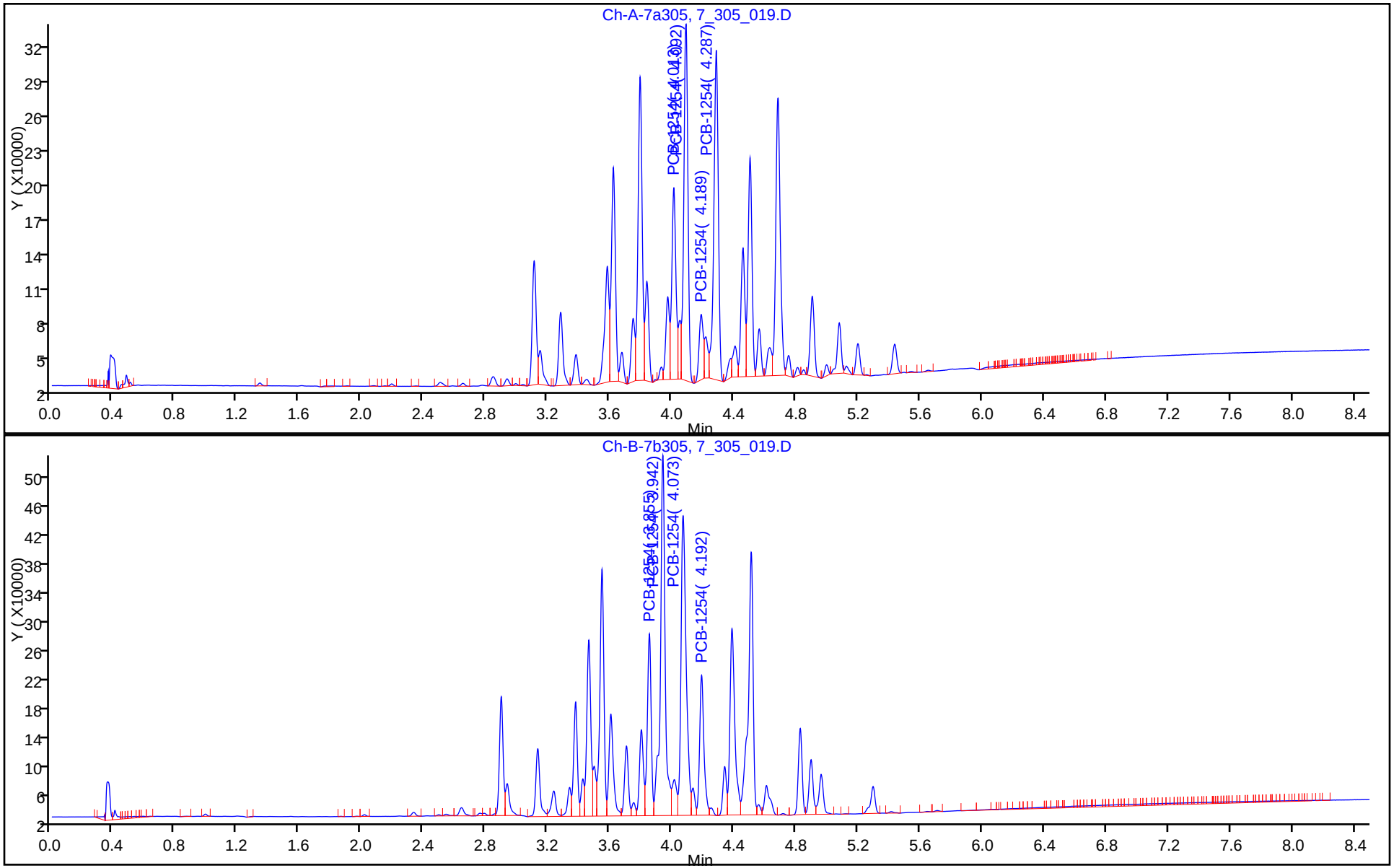
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
8 PCB-1254						
1	4.013	4.013	0.0	301029	0.5000	
1	4.092	4.092	0.0	561983	0.5000	
1	4.189	4.189	0.0	103538	0.5000	
1	4.287	4.287	0.0	566515	0.5000	
		Average of Peak Amounts =			0.5000	
2	3.855	3.855	0.0	429374	0.5000	
2	3.942	3.942	0.0	1058195	0.5000	
2	4.073	4.073	0.0	953577	0.5000	
2	4.192	4.192	0.0	372918	0.5000	
		Average of Peak Amounts =			0.5000	
					RPD = 0.00	

Report Date: 03-Dec-2013 14:04:43 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_019.D

Injection Date:	03-Dec-2013 10:56:55	Instrument ID:	HP6890-7	Operator ID:	tchrom
Lims ID:	std54	Lab Sample ID:		Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181106/38 Calibration Date: 05/09/2014 08:42

Instrument ID: HP6890-7 Calib Start Date: 12/03/2013 06:43

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 12/03/2013 08:18

Lab File ID: 7_326_085.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	1669893	1677244		0.502	0.500	0.4	15.0
PCB-1016 Peak 2	Ave	634756	634282		0.500	0.500	-0.0	15.0
PCB-1016 Peak 3	Ave	411325	434570		0.528	0.500	5.7	15.0
PCB-1016 Peak 4	Ave	382222	388214		0.508	0.500	1.6	15.0
PCB-1260 Peak 1	Ave	599005	680192		0.568	0.500	13.6	15.0
PCB-1260 Peak 2	Ave	595146	657964		0.553	0.500	10.6	15.0
PCB-1260 Peak 3	Ave	1620617	1717466		0.530	0.500	6.0	15.0
PCB-1260 Peak 4	Ave	836348	887084		0.530	0.500	6.1	15.0
Tetrachloro-m-xylene	Ave	21513230	23264333		0.0324	0.0300	8.1	15.0
DCB Decachlorobiphenyl	Ave	15635597	16809467		0.0323	0.0300	7.5	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181106/38 Calibration Date: 05/09/2014 08:42

Instrument ID: HP6890-7 Calib Start Date: 12/03/2013 06:43

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 12/03/2013 08:18

Lab File ID: 7_326_085.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.70	2.67	2.73
PCB-1016 Peak 2	2.78	2.75	2.81
PCB-1016 Peak 3	2.84	2.81	2.87
PCB-1016 Peak 4	2.96	2.93	2.99
PCB-1260 Peak 1	4.65	4.62	4.68
PCB-1260 Peak 2	4.83	4.80	4.86
PCB-1260 Peak 3	5.03	5.00	5.06
PCB-1260 Peak 4	5.27	5.24	5.30
Tetrachloro-m-xylene	1.81	1.78	1.84
DCB Decachlorobiphenyl	6.45	6.39	6.51

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_085.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-May-2014 08:42:29 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub12

Method: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 12-May-2014 06:33:36 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK014

First Level Reviewer: michalej Date: 12-May-2014 06:33:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.811	1.811	0.000	697930	0.0300	0.0324	
2	1.491	1.491	0.000	1114035	0.0300	0.0408	
						RPD = 22.88	
6 PCB-1016							
1	2.703	2.703	0.000	838622	0.5000	0.5022	
1	2.782	2.782	0.000	317141	0.5000	0.4996	
1	2.842	2.842	0.000	217285	0.5000	0.5283	
1	2.960	2.960	0.000	194107	0.5000	0.5078	
		Average of Peak Amounts =				0.5095	
2	2.183	2.183	0.000	630450	0.5000	0.5587	
2	2.487	2.487	0.000	1370277	0.5000	0.5895	
2	2.600	2.600	0.000	502481	0.5000	0.5795	
2	2.692	2.692	0.000	312550	0.5000	0.5883	
		Average of Peak Amounts =				0.5790	
						RPD = 12.78	
9 PCB-1260							
1	4.645	4.645	0.000	340096	0.5000	0.5678	
1	4.831	4.831	0.000	328982	0.5000	0.5528	
1	5.033	5.033	0.000	858733	0.5000	0.5299	
1	5.267	5.267	0.000	443542	0.5000	0.5303	
		Average of Peak Amounts =				0.5452	
2	4.638	4.638	0.000	621109	0.5000	0.5349	
2	4.705	4.705	0.000	487048	0.5000	0.5727	
2	4.775	4.775	0.000	1506395	0.5000	0.5518	
2	5.108	5.108	0.000	874173	0.5000	0.5320	
		Average of Peak Amounts =				0.5479	
						RPD = 0.49	

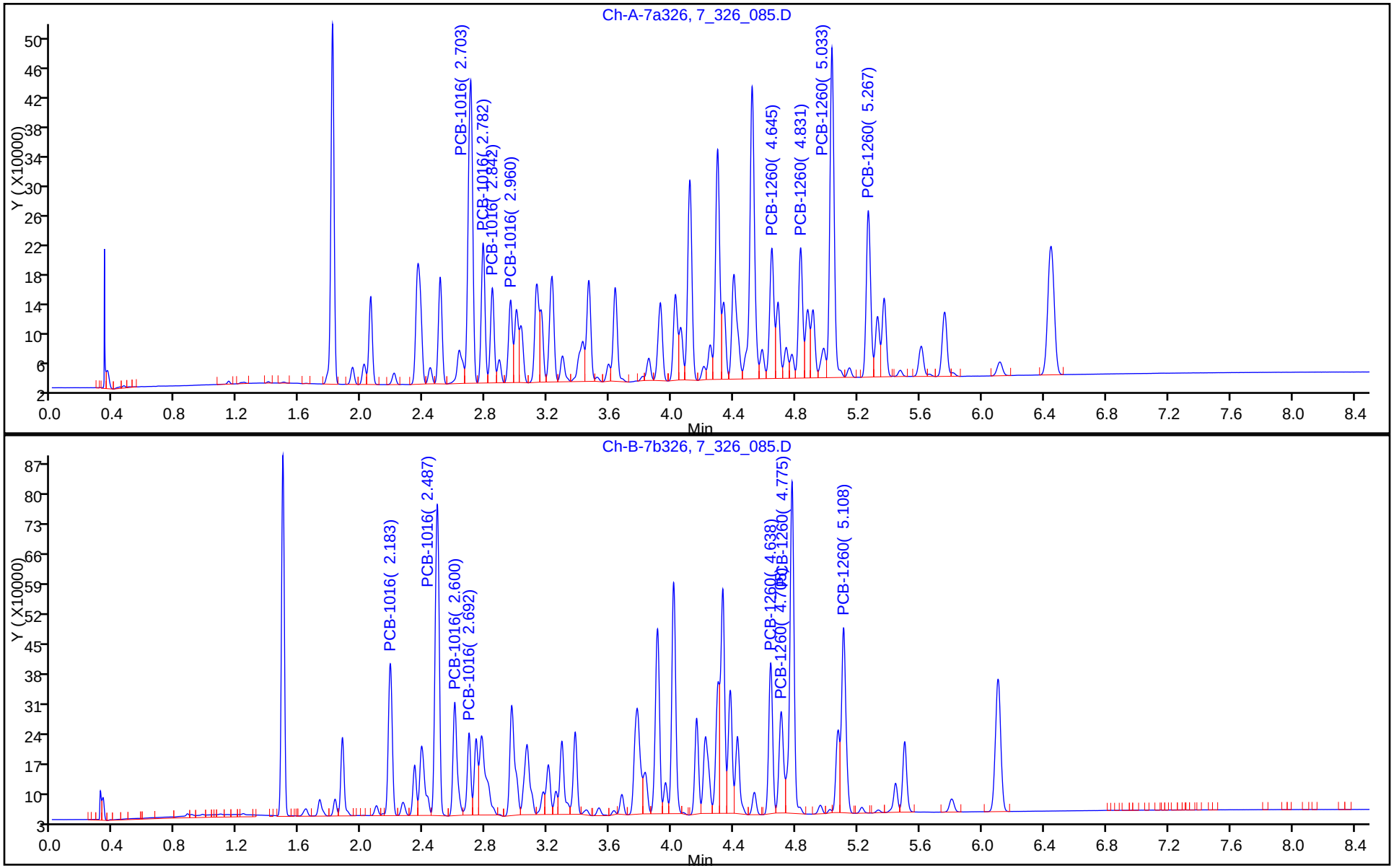
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.446	6.446	0.000	504284	0.0300	0.0323	
2	6.104	6.104	0.000	758008	0.0300	0.0348	
						RPD = 7.54	

Report Date: 12-May-2014 06:33:37 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_085.D

Injection Date:	09-May-2014 08:42:29	Instrument ID:	HP6890-7	Operator ID:	buftchrom
Lims ID:	ccv			Worklist Smp#:	38
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181106/38 Calibration Date: 05/09/2014 08:42

Instrument ID: HP6890-7 Calib Start Date: 12/03/2013 06:43

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 12/03/2013 08:18

Lab File ID: 7_326_085.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	1128324	1260900		0.559	0.500	11.7	15.0
PCB-1016 Peak 2	Ave	2324433	2740554		0.590	0.500	17.9*	15.0
PCB-1016 Peak 3	Ave	867099	1004962		0.579	0.500	15.9*	15.0
PCB-1016 Peak 4	Ave	531238	625100		0.588	0.500	17.7*	15.0
PCB-1260 Peak 1	Ave	1161077	1242218		0.535	0.500	7.0	15.0
PCB-1260 Peak 2	Ave	850369	974096		0.573	0.500	14.5	15.0
PCB-1260 Peak 3	Ave	2729811	3012790		0.552	0.500	10.4	15.0
PCB-1260 Peak 4	Ave	1643188	1748346		0.532	0.500	6.4	15.0
Tetrachloro-m-xylene	Ave	27290243	37134500		0.0408	0.0300	36.1*	15.0
DCB Decachlorobiphenyl	Ave	21795600	25266933		0.0348	0.0300	15.9*	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181106/38 Calibration Date: 05/09/2014 08:42

Instrument ID: HP6890-7 Calib Start Date: 12/03/2013 06:43

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 12/03/2013 08:18

Lab File ID: 7_326_085.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.18	2.15	2.21
PCB-1016 Peak 2	2.49	2.46	2.52
PCB-1016 Peak 3	2.60	2.57	2.63
PCB-1016 Peak 4	2.69	2.66	2.72
PCB-1260 Peak 1	4.64	4.61	4.67
PCB-1260 Peak 2	4.71	4.68	4.74
PCB-1260 Peak 3	4.78	4.75	4.81
PCB-1260 Peak 4	5.11	5.08	5.14
Tetrachloro-m-xylene	1.49	1.46	1.52
DCB Decachlorobiphenyl	6.10	6.04	6.16

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_085.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-May-2014 08:42:29 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub12

Method: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 12-May-2014 06:33:36 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK014

First Level Reviewer: michalej Date: 12-May-2014 06:33:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.811	1.811	0.000	697930	0.0300	0.0324	
2	1.491	1.491	0.000	1114035	0.0300	0.0408	
						RPD = 22.88	
6 PCB-1016							
1	2.703	2.703	0.000	838622	0.5000	0.5022	
1	2.782	2.782	0.000	317141	0.5000	0.4996	
1	2.842	2.842	0.000	217285	0.5000	0.5283	
1	2.960	2.960	0.000	194107	0.5000	0.5078	
		Average of Peak Amounts =				0.5095	
2	2.183	2.183	0.000	630450	0.5000	0.5587	
2	2.487	2.487	0.000	1370277	0.5000	0.5895	
2	2.600	2.600	0.000	502481	0.5000	0.5795	
2	2.692	2.692	0.000	312550	0.5000	0.5883	
		Average of Peak Amounts =				0.5790	
						RPD = 12.78	
9 PCB-1260							
1	4.645	4.645	0.000	340096	0.5000	0.5678	
1	4.831	4.831	0.000	328982	0.5000	0.5528	
1	5.033	5.033	0.000	858733	0.5000	0.5299	
1	5.267	5.267	0.000	443542	0.5000	0.5303	
		Average of Peak Amounts =				0.5452	
2	4.638	4.638	0.000	621109	0.5000	0.5349	
2	4.705	4.705	0.000	487048	0.5000	0.5727	
2	4.775	4.775	0.000	1506395	0.5000	0.5518	
2	5.108	5.108	0.000	874173	0.5000	0.5320	
		Average of Peak Amounts =				0.5479	
						RPD = 0.49	

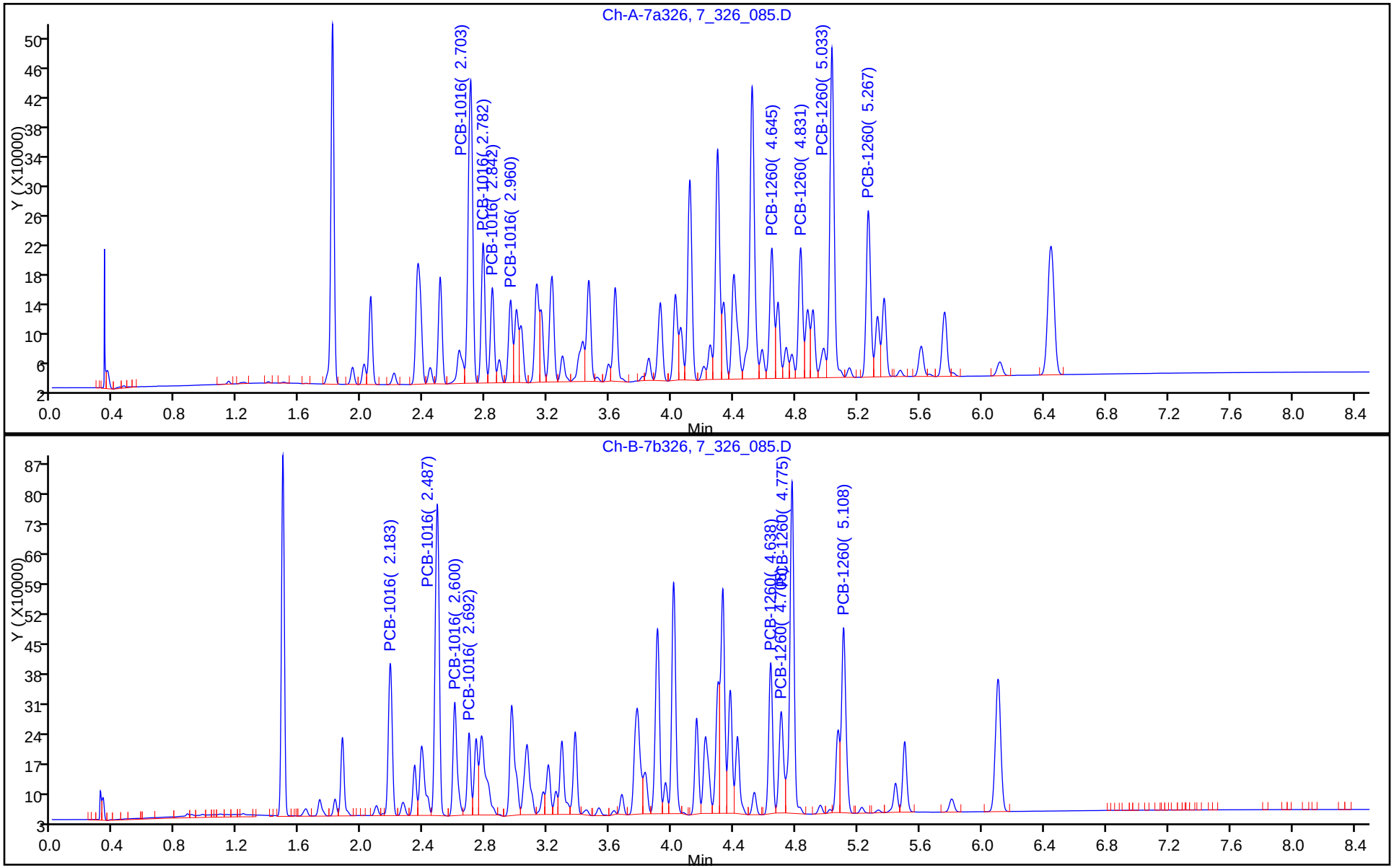
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.446	6.446	0.000	504284	0.0300	0.0323	
2	6.104	6.104	0.000	758008	0.0300	0.0348	
						RPD = 7.54	

Report Date: 12-May-2014 06:33:39 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_085.D

Injection Date:	09-May-2014 08:42:29	Instrument ID:	HP6890-7	Operator ID:	buftchrom
Lims ID:	ccv			Worklist Smp#:	38
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181106/28 Calibration Date: 05/09/2014 11:51

Instrument ID: HP6890-7 Calib Start Date: 12/03/2013 06:43

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 12/03/2013 08:18

Lab File ID: 7_326_096.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	1669893	1602340		0.480	0.500	-4.0	15.0
PCB-1016 Peak 2	Ave	634756	612620		0.483	0.500	-3.5	15.0
PCB-1016 Peak 3	Ave	411325	416682		0.507	0.500	1.3	15.0
PCB-1016 Peak 4	Ave	382222	381712		0.499	0.500	-0.1	15.0
PCB-1260 Peak 1	Ave	599005	621806		0.519	0.500	3.8	15.0
PCB-1260 Peak 2	Ave	595146	622438		0.523	0.500	4.6	15.0
PCB-1260 Peak 3	Ave	1620617	1654672		0.511	0.500	2.1	15.0
PCB-1260 Peak 4	Ave	836348	856674		0.512	0.500	2.4	15.0
Tetrachloro-m-xylene	Ave	21513230	23325500		0.0325	0.0300	8.4	15.0
DCB Decachlorobiphenyl	Ave	15635597	16924500		0.0325	0.0300	8.2	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181106/28 Calibration Date: 05/09/2014 11:51

Instrument ID: HP6890-7 Calib Start Date: 12/03/2013 06:43

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 12/03/2013 08:18

Lab File ID: 7_326_096.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.70	2.67	2.73
PCB-1016 Peak 2	2.78	2.75	2.81
PCB-1016 Peak 3	2.84	2.81	2.87
PCB-1016 Peak 4	2.96	2.93	2.99
PCB-1260 Peak 1	4.64	4.61	4.67
PCB-1260 Peak 2	4.83	4.80	4.86
PCB-1260 Peak 3	5.03	5.00	5.06
PCB-1260 Peak 4	5.27	5.24	5.30
Tetrachloro-m-xylene	1.81	1.78	1.84
DCB Decachlorobiphenyl	6.44	6.38	6.50

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_096.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-May-2014 11:51:21 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub12

Method: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 12-May-2014 06:36:22 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK014

First Level Reviewer: michalej Date: 12-May-2014 06:36:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.812	1.812	0.000	699765	0.0300	0.0325	
2	1.488	1.488	0.000	1124423	0.0300	0.0412	
						RPD = 23.53	
6 PCB-1016							
1	2.701	2.701	0.000	801170	0.5000	0.4798	
1	2.783	2.783	0.000	306310	0.5000	0.4826	
1	2.841	2.841	0.000	208341	0.5000	0.5065	
1	2.958	2.958	0.000	190856	0.5000	0.4993	
		Average of Peak Amounts =				0.4920	
2	2.180	2.180	0.000	598043	0.5000	0.5300	
2	2.483	2.483	0.000	1297579	0.5000	0.5582	
2	2.595	2.595	0.000	476071	0.5000	0.5490	
2	2.687	2.687	0.000	308933	0.5000	0.5815	
		Average of Peak Amounts =				0.5547	
						RPD = 11.97	
9 PCB-1260							
1	4.643	4.643	0.000	310903	0.5000	0.5190	
1	4.829	4.829	0.000	311219	0.5000	0.5229	
1	5.031	5.031	0.000	827336	0.5000	0.5105	
1	5.265	5.265	0.000	428337	0.5000	0.5122	
		Average of Peak Amounts =				0.5162	
2	4.632	4.632	0.000	607630	0.5000	0.5233	
2	4.699	4.699	0.000	473515	0.5000	0.5568	
2	4.769	4.769	0.000	1481043	0.5000	0.5425	
2	5.103	5.103	0.000	862596	0.5000	0.5250	
		Average of Peak Amounts =				0.5369	
						RPD = 3.94	

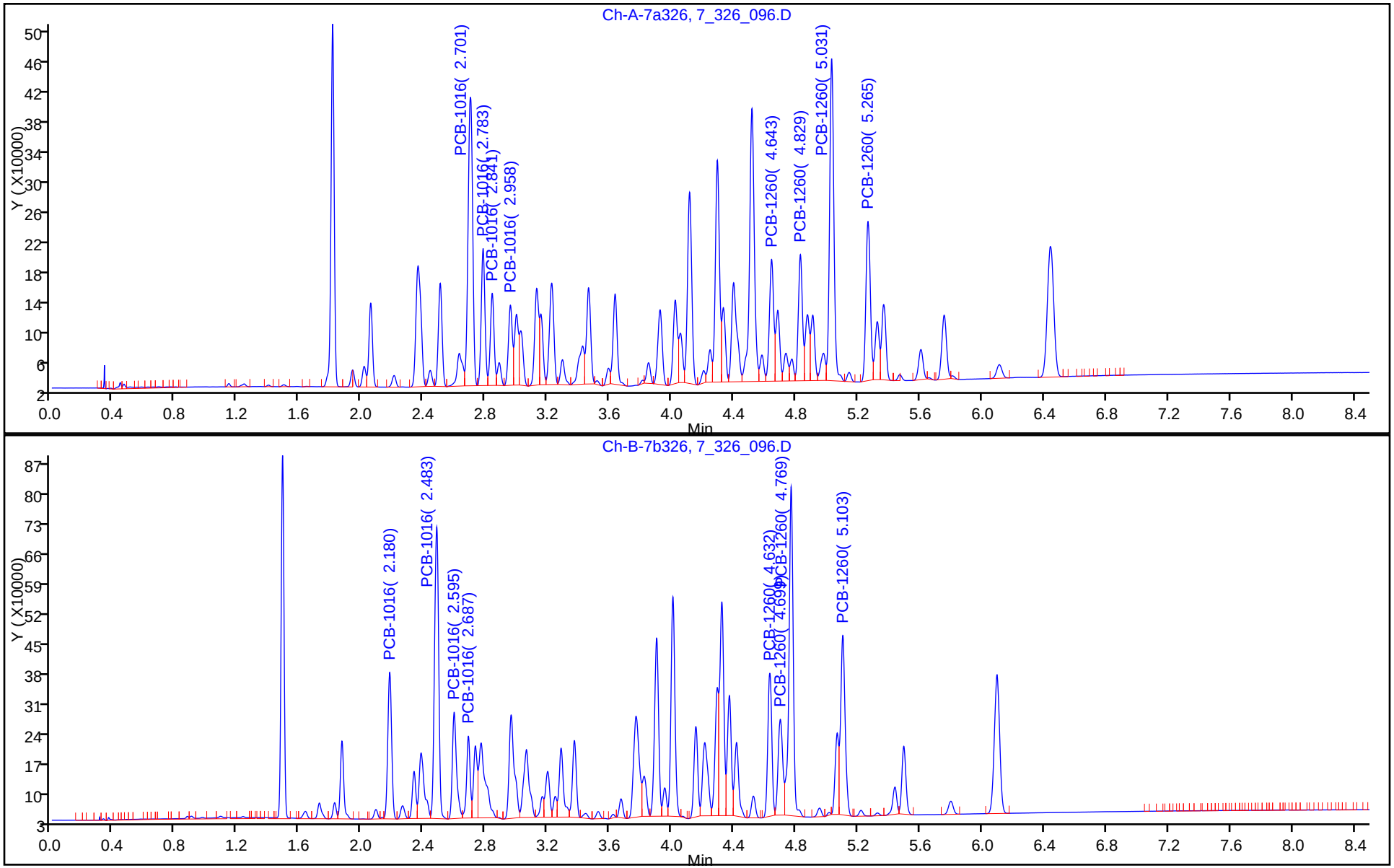
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.441	6.441	0.000	507735	0.0300	0.0325	
2	6.098	6.098	0.000	788213	0.0300	0.0362	
						RPD = 10.75	

Report Date: 12-May-2014 06:36:23 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_096.D

Injection Date:	09-May-2014 11:51:21	Instrument ID:	HP6890-7	Operator ID:	buftchrom
Lims ID:	ccv			Worklist Smp#:	28
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181106/28 Calibration Date: 05/09/2014 11:51

Instrument ID: HP6890-7 Calib Start Date: 12/03/2013 06:43

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 12/03/2013 08:18

Lab File ID: 7_326_096.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	1128324	1196086		0.530	0.500	6.0	15.0
PCB-1016 Peak 2	Ave	2324433	2595158		0.558	0.500	11.6	15.0
PCB-1016 Peak 3	Ave	867099	952142		0.549	0.500	9.8	15.0
PCB-1016 Peak 4	Ave	531238	617866		0.582	0.500	16.3*	15.0
PCB-1260 Peak 1	Ave	1161077	1215260		0.523	0.500	4.7	15.0
PCB-1260 Peak 2	Ave	850369	947030		0.557	0.500	11.4	15.0
PCB-1260 Peak 3	Ave	2729811	2962086		0.543	0.500	8.5	15.0
PCB-1260 Peak 4	Ave	1643188	1725192		0.525	0.500	5.0	15.0
Tetrachloro-m-xylene	Ave	27290243	37480767		0.0412	0.0300	37.3*	15.0
DCB Decachlorobiphenyl	Ave	21795600	26273767		0.0362	0.0300	20.5*	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181106/28 Calibration Date: 05/09/2014 11:51

Instrument ID: HP6890-7 Calib Start Date: 12/03/2013 06:43

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 12/03/2013 08:18

Lab File ID: 7_326_096.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.18	2.15	2.21
PCB-1016 Peak 2	2.48	2.45	2.51
PCB-1016 Peak 3	2.60	2.57	2.63
PCB-1016 Peak 4	2.69	2.66	2.72
PCB-1260 Peak 1	4.63	4.60	4.66
PCB-1260 Peak 2	4.70	4.67	4.73
PCB-1260 Peak 3	4.77	4.74	4.80
PCB-1260 Peak 4	5.10	5.07	5.13
Tetrachloro-m-xylene	1.49	1.46	1.52
DCB Decachlorobiphenyl	6.10	6.04	6.16

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_096.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-May-2014 11:51:21 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub12

Method: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 12-May-2014 06:36:22 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK014

First Level Reviewer: michalej Date: 12-May-2014 06:36:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.812	1.812	0.000	699765	0.0300	0.0325	
2	1.488	1.488	0.000	1124423	0.0300	0.0412	
						RPD = 23.53	
6 PCB-1016							
1	2.701	2.701	0.000	801170	0.5000	0.4798	
1	2.783	2.783	0.000	306310	0.5000	0.4826	
1	2.841	2.841	0.000	208341	0.5000	0.5065	
1	2.958	2.958	0.000	190856	0.5000	0.4993	
		Average of Peak Amounts =				0.4920	
2	2.180	2.180	0.000	598043	0.5000	0.5300	
2	2.483	2.483	0.000	1297579	0.5000	0.5582	
2	2.595	2.595	0.000	476071	0.5000	0.5490	
2	2.687	2.687	0.000	308933	0.5000	0.5815	
		Average of Peak Amounts =				0.5547	
						RPD = 11.97	
9 PCB-1260							
1	4.643	4.643	0.000	310903	0.5000	0.5190	
1	4.829	4.829	0.000	311219	0.5000	0.5229	
1	5.031	5.031	0.000	827336	0.5000	0.5105	
1	5.265	5.265	0.000	428337	0.5000	0.5122	
		Average of Peak Amounts =				0.5162	
2	4.632	4.632	0.000	607630	0.5000	0.5233	
2	4.699	4.699	0.000	473515	0.5000	0.5568	
2	4.769	4.769	0.000	1481043	0.5000	0.5425	
2	5.103	5.103	0.000	862596	0.5000	0.5250	
		Average of Peak Amounts =				0.5369	
						RPD = 3.94	

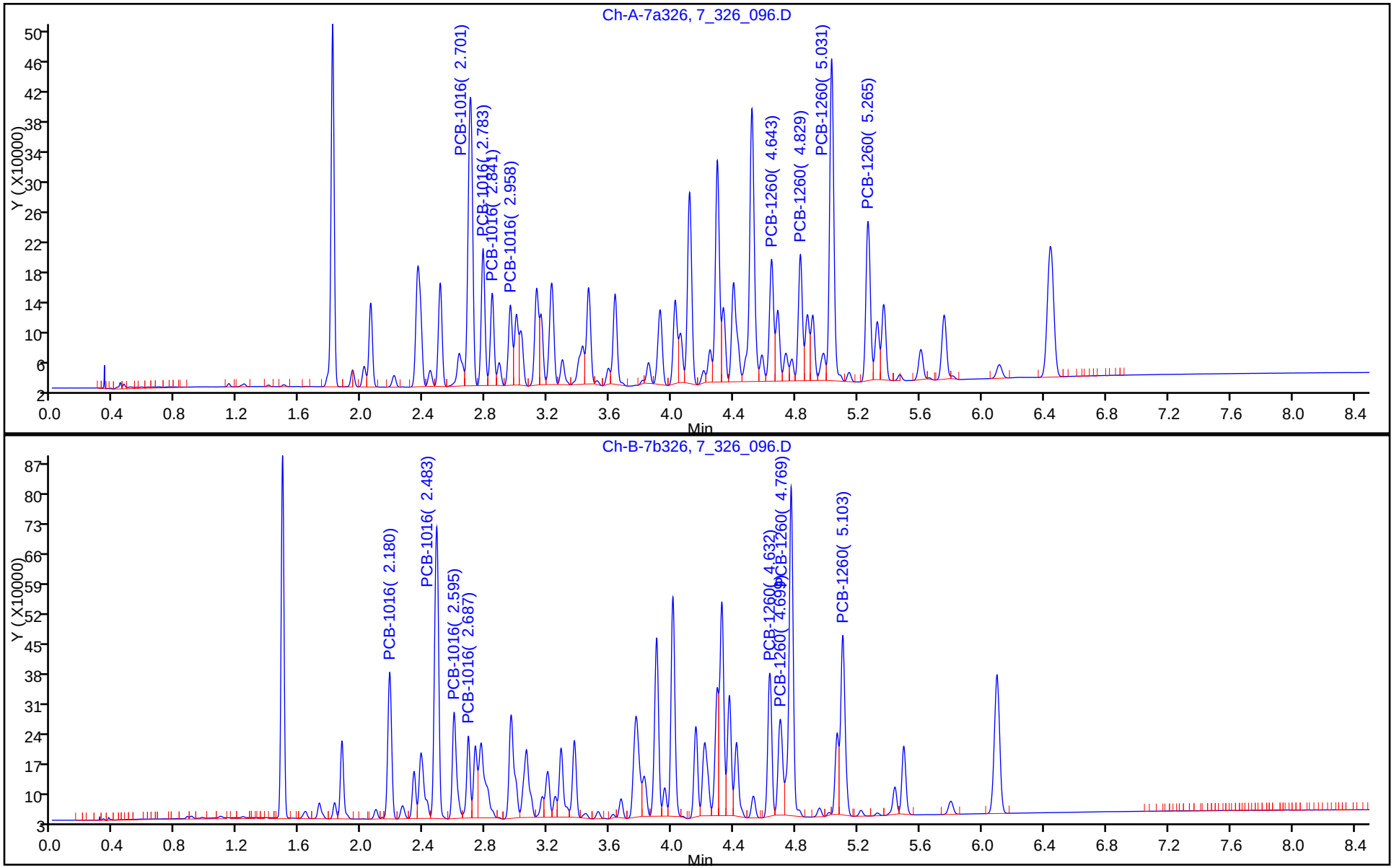
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.441	6.441	0.000	507735	0.0300	0.0325	
2	6.098	6.098	0.000	788213	0.0300	0.0362	
						RPD = 10.75	

Report Date: 12-May-2014 06:36:23 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_096.D

Injection Date:	09-May-2014 11:51:21	Instrument ID:	HP6890-7	Operator ID:	buftchrom
Lims ID:	ccv			Worklist Smp#:	28
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181106/36 Calibration Date: 05/09/2014 13:58

Instrument ID: HP6890-7 Calib Start Date: 12/03/2013 06:43

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 12/03/2013 08:18

Lab File ID: 7_326_104.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	1669893	1616826		0.484	0.500	-3.2	15.0
PCB-1016 Peak 2	Ave	634756	612840		0.483	0.500	-3.5	15.0
PCB-1016 Peak 3	Ave	411325	411672		0.500	0.500	0.0	15.0
PCB-1016 Peak 4	Ave	382222	373626		0.489	0.500	-2.2	15.0
PCB-1260 Peak 1	Ave	599005	655982		0.548	0.500	9.5	15.0
PCB-1260 Peak 2	Ave	595146	631100		0.530	0.500	6.0	15.0
PCB-1260 Peak 3	Ave	1620617	1674056		0.516	0.500	3.3	15.0
PCB-1260 Peak 4	Ave	836348	867406		0.519	0.500	3.7	15.0
Tetrachloro-m-xylene	Ave	21513230	23659333		0.0330	0.0300	10.0	15.0
DCB Decachlorobiphenyl	Ave	15635597	16090533		0.0309	0.0300	2.9	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181106/36 Calibration Date: 05/09/2014 13:58

Instrument ID: HP6890-7 Calib Start Date: 12/03/2013 06:43

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 12/03/2013 08:18

Lab File ID: 7_326_104.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.70	2.67	2.73
PCB-1016 Peak 2	2.78	2.75	2.81
PCB-1016 Peak 3	2.84	2.81	2.87
PCB-1016 Peak 4	2.96	2.93	2.99
PCB-1260 Peak 1	4.64	4.61	4.67
PCB-1260 Peak 2	4.83	4.80	4.86
PCB-1260 Peak 3	5.03	5.00	5.06
PCB-1260 Peak 4	5.27	5.24	5.30
Tetrachloro-m-xylene	1.81	1.78	1.84
DCB Decachlorobiphenyl	6.44	6.38	6.50

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_104.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-May-2014 13:58:37 ALS Bottle#: 0 Worklist Smp#: 36
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub12

Method: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 12-May-2014 06:37:56 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK014

First Level Reviewer: michalej Date: 12-May-2014 06:37:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							M
1	1.811	1.811	0.000	709780	0.0300	0.0330	M
2	1.488	1.488	0.000	1125656	0.0300	0.0412	
						RPD = 22.24	
6 PCB-1016							
1	2.701	2.701	0.000	808413	0.5000	0.4841	
1	2.781	2.781	0.000	306420	0.5000	0.4827	
1	2.841	2.841	0.000	205836	0.5000	0.5004	
1	2.958	2.958	0.000	186813	0.5000	0.4888	
		Average of Peak Amounts =				0.4890	
2	2.179	2.179	0.000	612394	0.5000	0.5427	
2	2.482	2.482	0.000	1334574	0.5000	0.5742	
2	2.596	2.596	0.000	486874	0.5000	0.5615	
2	2.688	2.688	0.000	297769	0.5000	0.5605	
		Average of Peak Amounts =				0.5597	
						RPD = 13.49	
9 PCB-1260							
1	4.642	4.642	0.000	327991	0.5000	0.5476	
1	4.829	4.829	0.000	315550	0.5000	0.5302	
1	5.031	5.031	0.000	837028	0.5000	0.5165	
1	5.265	5.265	0.000	433703	0.5000	0.5186	
		Average of Peak Amounts =				0.5282	
2	4.632	4.632	0.000	636015	0.5000	0.5478	
2	4.699	4.699	0.000	500497	0.5000	0.5886	
2	4.770	4.770	0.000	1542214	0.5000	0.5650	
2	5.102	5.102	0.000	901755	0.5000	0.5488	
		Average of Peak Amounts =				0.5625	
						RPD = 6.29	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.443	6.443	0.000	482716	0.0300	0.0309	
2	6.098	6.098	0.000	810611	0.0300	0.0372	
						RPD = 18.57	

QC Flag Legend

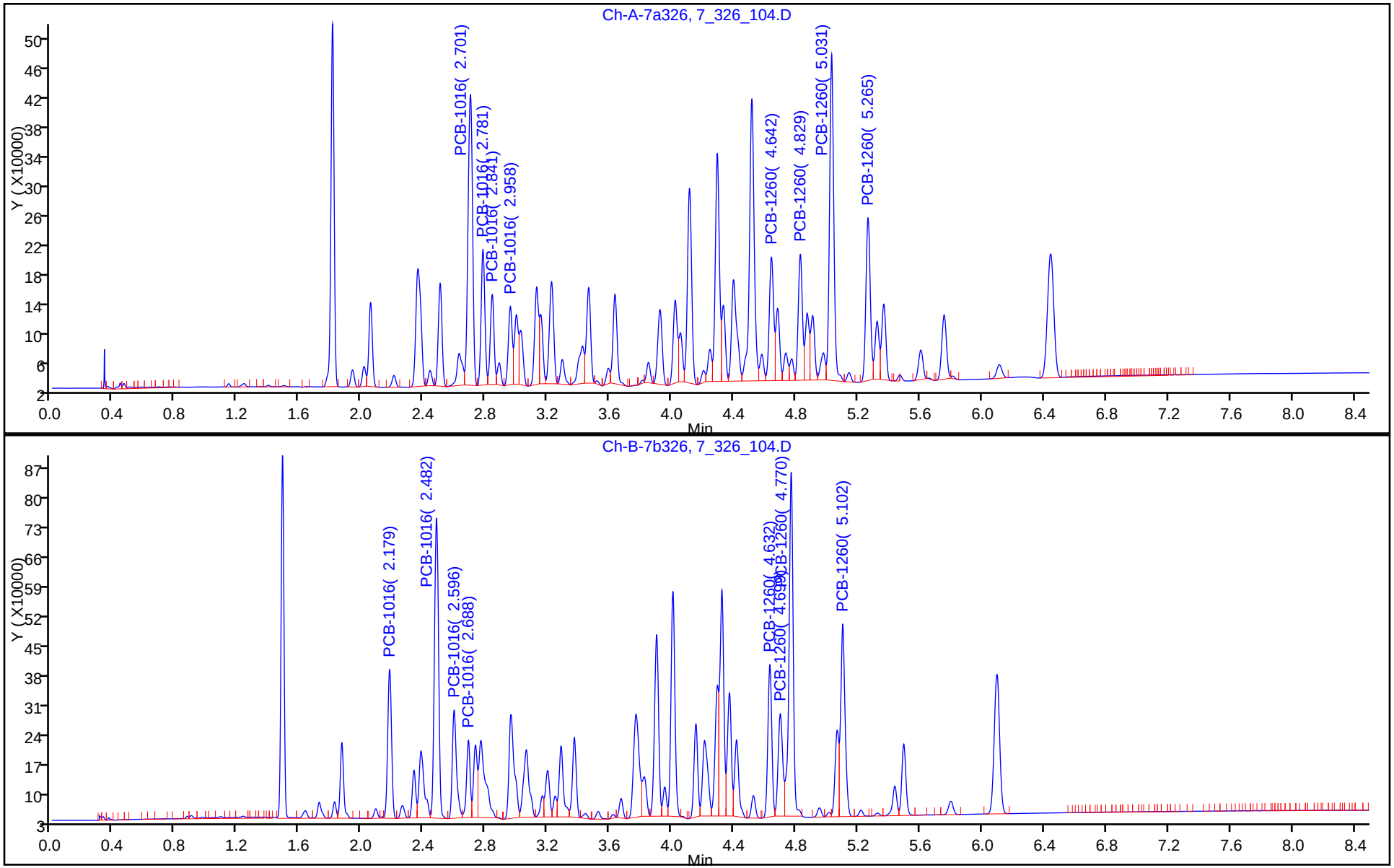
Review Flags
M - Manually Integrated

Report Date: 12-May-2014 06:37:56 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_104.D

Injection Date:	09-May-2014 13:58:37	Instrument ID:	HP6890-7	Operator ID:	buftchrom
Lims ID:	ccv			Worklist Smp#:	36
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



Manual Integration/User Assign Peak Report

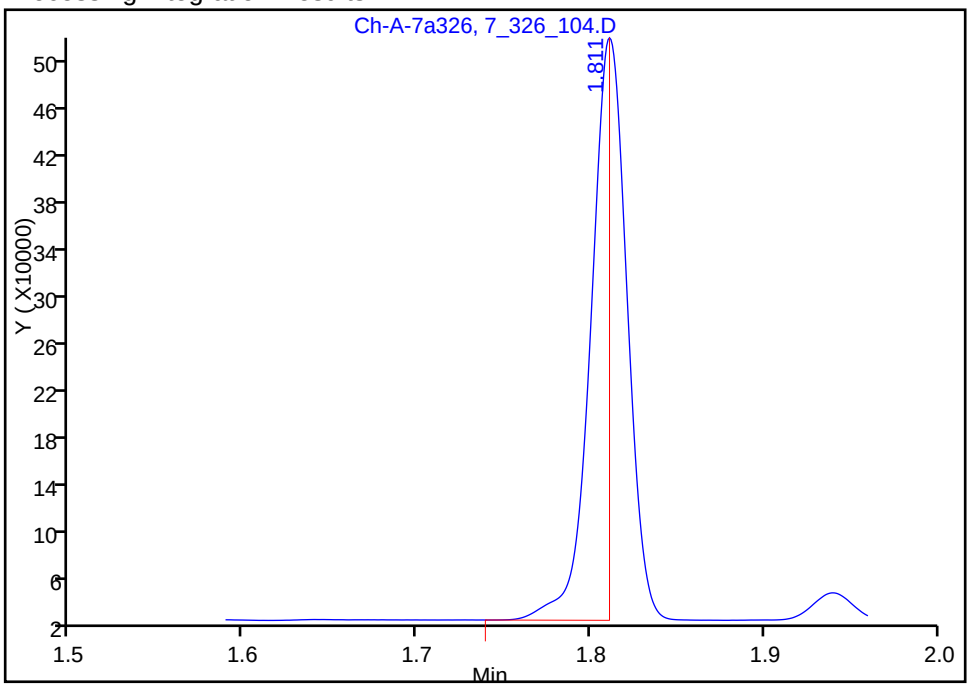
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_104.D
Injection Date: 09-May-2014 13:58:37 Instrument ID: HP6890-7
Lims ID: ccv
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 36
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: HP7-PCBS Limit Group: GC - 608 PCB ICAL
Column: Detector Ch-A-7A136

$ 3 Tetrachloro-m-xylene, CAS: 877-09-8

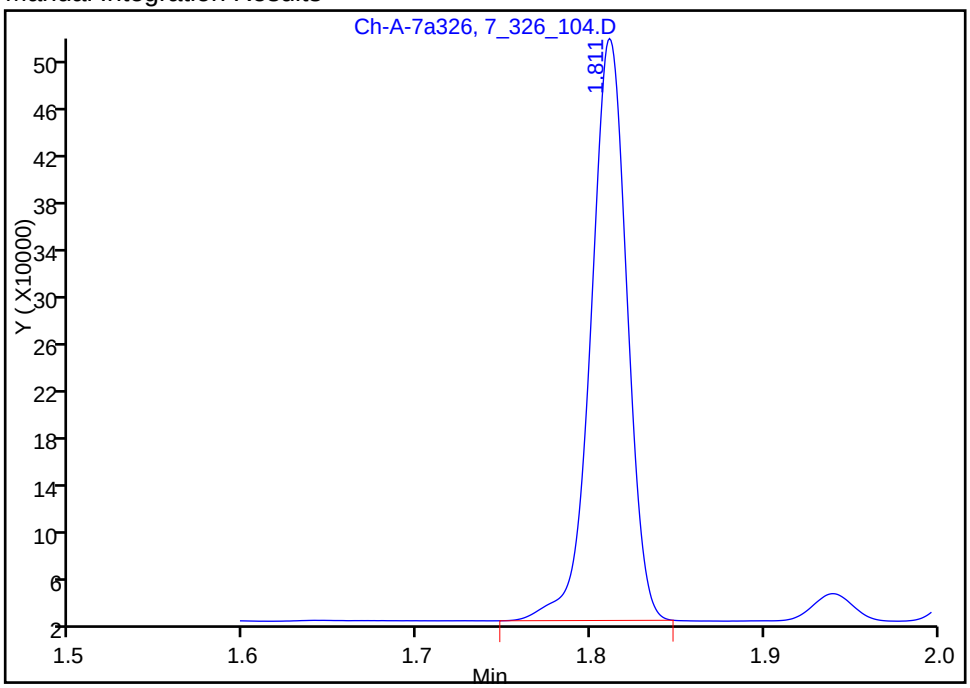
Processing Integration Results

RT: 1.81
Response: 364003
Amount: 0.016920



Manual Integration Results

RT: 1.81
Response: 709780
Amount: 0.032993



Reviewer: WolfL, 10-May-2014 08:29:16
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181106/36 Calibration Date: 05/09/2014 13:58

Instrument ID: HP6890-7 Calib Start Date: 12/03/2013 06:43

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 12/03/2013 08:18

Lab File ID: 7_326_104.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	1128324	1224788		0.543	0.500	8.5	15.0
PCB-1016 Peak 2	Ave	2324433	2669148		0.574	0.500	14.8	15.0
PCB-1016 Peak 3	Ave	867099	973748		0.561	0.500	12.3	15.0
PCB-1016 Peak 4	Ave	531238	595538		0.561	0.500	12.1	15.0
PCB-1260 Peak 1	Ave	1161077	1272030		0.548	0.500	9.6	15.0
PCB-1260 Peak 2	Ave	850369	1000994		0.589	0.500	17.7*	15.0
PCB-1260 Peak 3	Ave	2729811	3084428		0.565	0.500	13.0	15.0
PCB-1260 Peak 4	Ave	1643188	1803510		0.549	0.500	9.8	15.0
Tetrachloro-m-xylene	Ave	27290243	37521867		0.0412	0.0300	37.5*	15.0
DCB Decachlorobiphenyl	Ave	21795600	27020367		0.0372	0.0300	24.0*	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181106/36 Calibration Date: 05/09/2014 13:58

Instrument ID: HP6890-7 Calib Start Date: 12/03/2013 06:43

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 12/03/2013 08:18

Lab File ID: 7_326_104.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.18	2.15	2.21
PCB-1016 Peak 2	2.48	2.45	2.51
PCB-1016 Peak 3	2.60	2.57	2.63
PCB-1016 Peak 4	2.69	2.66	2.72
PCB-1260 Peak 1	4.63	4.60	4.66
PCB-1260 Peak 2	4.70	4.67	4.73
PCB-1260 Peak 3	4.77	4.74	4.80
PCB-1260 Peak 4	5.10	5.07	5.13
Tetrachloro-m-xylene	1.49	1.46	1.52
DCB Decachlorobiphenyl	6.10	6.04	6.16

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_104.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 09-May-2014 13:58:37 ALS Bottle#: 0 Worklist Smp#: 36
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Sublist: chrom-HP7-PCBS*sub12

Method: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 12-May-2014 06:37:56 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK014

First Level Reviewer: michalej Date: 12-May-2014 06:37:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							M
1	1.811	1.811	0.000	709780	0.0300	0.0330	M
2	1.488	1.488	0.000	1125656	0.0300	0.0412	
						RPD = 22.24	
6 PCB-1016							
1	2.701	2.701	0.000	808413	0.5000	0.4841	
1	2.781	2.781	0.000	306420	0.5000	0.4827	
1	2.841	2.841	0.000	205836	0.5000	0.5004	
1	2.958	2.958	0.000	186813	0.5000	0.4888	
		Average of Peak Amounts =				0.4890	
2	2.179	2.179	0.000	612394	0.5000	0.5427	
2	2.482	2.482	0.000	1334574	0.5000	0.5742	
2	2.596	2.596	0.000	486874	0.5000	0.5615	
2	2.688	2.688	0.000	297769	0.5000	0.5605	
		Average of Peak Amounts =				0.5597	
						RPD = 13.49	
9 PCB-1260							
1	4.642	4.642	0.000	327991	0.5000	0.5476	
1	4.829	4.829	0.000	315550	0.5000	0.5302	
1	5.031	5.031	0.000	837028	0.5000	0.5165	
1	5.265	5.265	0.000	433703	0.5000	0.5186	
		Average of Peak Amounts =				0.5282	
2	4.632	4.632	0.000	636015	0.5000	0.5478	
2	4.699	4.699	0.000	500497	0.5000	0.5886	
2	4.770	4.770	0.000	1542214	0.5000	0.5650	
2	5.102	5.102	0.000	901755	0.5000	0.5488	
		Average of Peak Amounts =				0.5625	
						RPD = 6.29	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.443	6.443	0.000	482716	0.0300	0.0309	
2	6.098	6.098	0.000	810611	0.0300	0.0372	
						RPD = 18.57	

QC Flag Legend

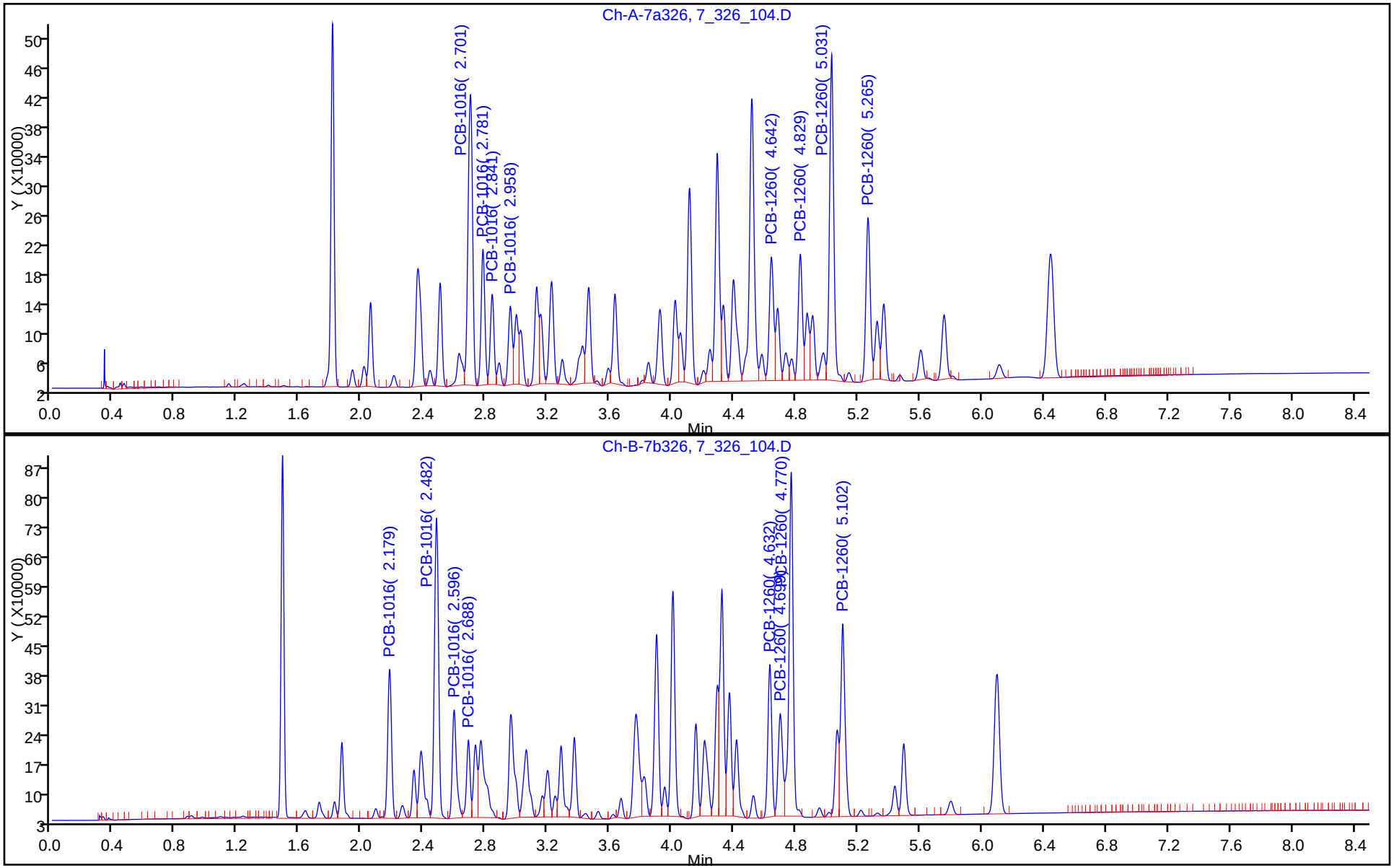
Review Flags
M - Manually Integrated

Report Date: 12-May-2014 06:37:57 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_104.D

Injection Date:	09-May-2014 13:58:37	Instrument ID:	HP6890-7	Operator ID:	buftchrom
Lims ID:	ccv			Worklist Smp#:	36
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-59386-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-180802/1-A

Matrix: Water | Lab File ID: 7_326_086.D

Analysis Method: 608 | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/08/2014 07:02

Sample wt/vol: 1000(mL) | Date Analyzed: 05/09/2014 09:12

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

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

Analysis Batch No.: 181106 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.060	0.038
11104-28-2	PCB-1221	ND		0.060	0.038
11141-16-5	PCB-1232	ND		0.060	0.038
53469-21-9	PCB-1242	ND		0.060	0.038
12672-29-6	PCB-1248	ND		0.060	0.038
11097-69-1	PCB-1254	ND		0.060	0.031
11096-82-5	PCB-1260	ND		0.060	0.031

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	75		10-158
877-09-8	Tetrachloro-m-xylene	95		25-151

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_086.D
Lims ID: MB 480-180802/1-A
Client ID:
Sample Type: MB
Inject. Date: 09-May-2014 09:12:17 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7

Method: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 12-May-2014 06:33:53 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK014

First Level Reviewer: michalej Date: 12-May-2014 06:33:53

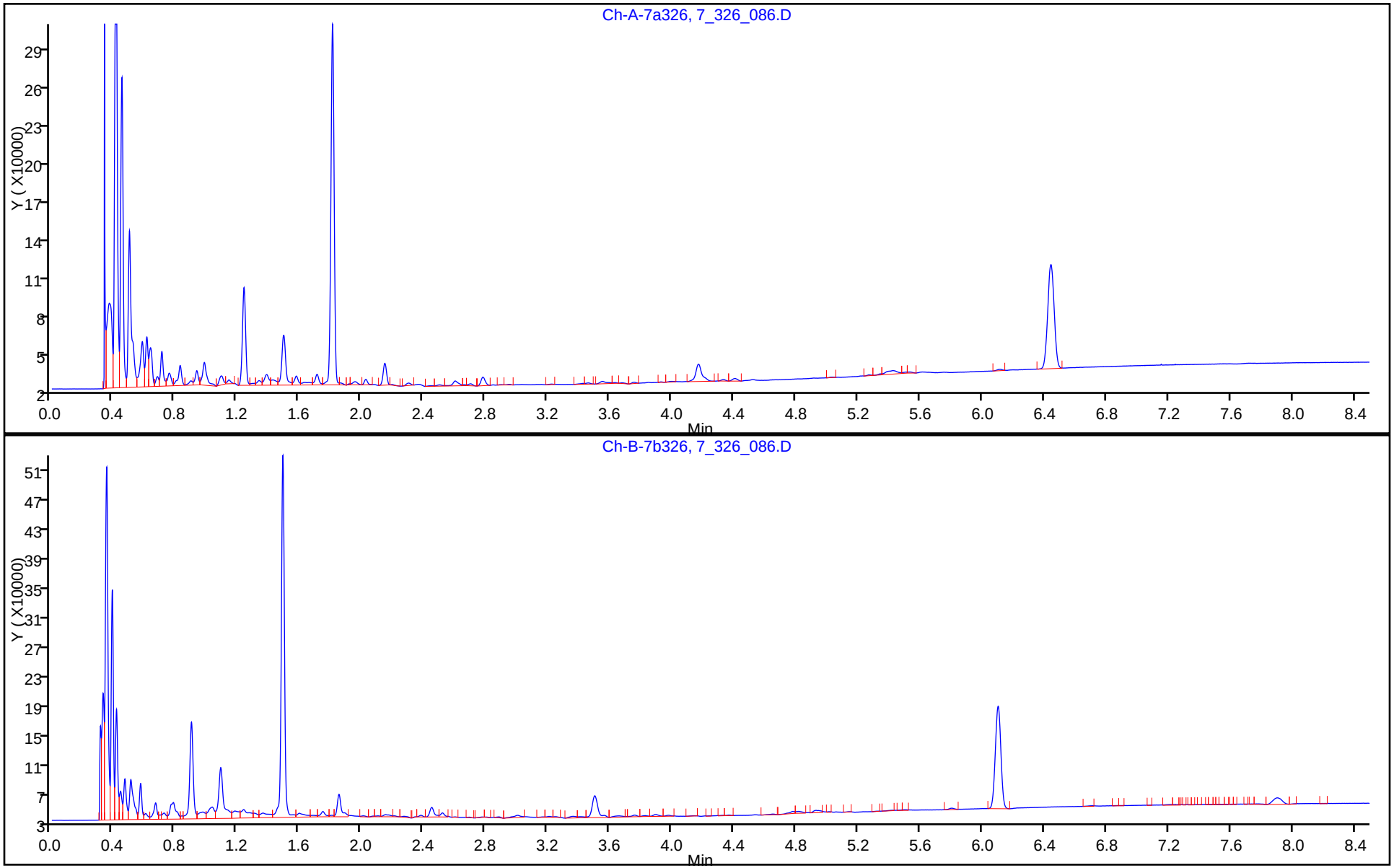
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.811	1.811	0.000	408054	0.0200	0.0190	
2	1.491	1.491	0.000	698675	0.0200	0.0256	
						RPD = 29.77	
$ 12 DCB Decachlorobiphenyl							
1	6.445	6.446	-0.001	235721	0.0200	0.0151	
2	6.105	6.104	0.001	350293	0.0200	0.0161	
						RPD = 6.39	

Report Date: 12-May-2014 06:33:53 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_086.D

Injection Date:	09-May-2014 09:12:17	Instrument ID:	HP6890-7	Operator ID:	buftchrom
Lims ID:	MB 480-180802/1-A			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-180802/1-A

Matrix: Water Lab File ID: 7_326_086.D

Analysis Method: 608 Date Collected:

Extraction Method: 3510C Date Extracted: 05/08/2014 07:02

Sample wt/vol: 1000(mL) Date Analyzed: 05/09/2014 09:12

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.: 181106 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	80		10-158
877-09-8	Tetrachloro-m-xylene	128		25-151

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_086.D
Lims ID: MB 480-180802/1-A
Client ID:
Sample Type: MB
Inject. Date: 09-May-2014 09:12:17 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7

Method: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 12-May-2014 06:33:53 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK014

First Level Reviewer: michalej Date: 12-May-2014 06:33:53

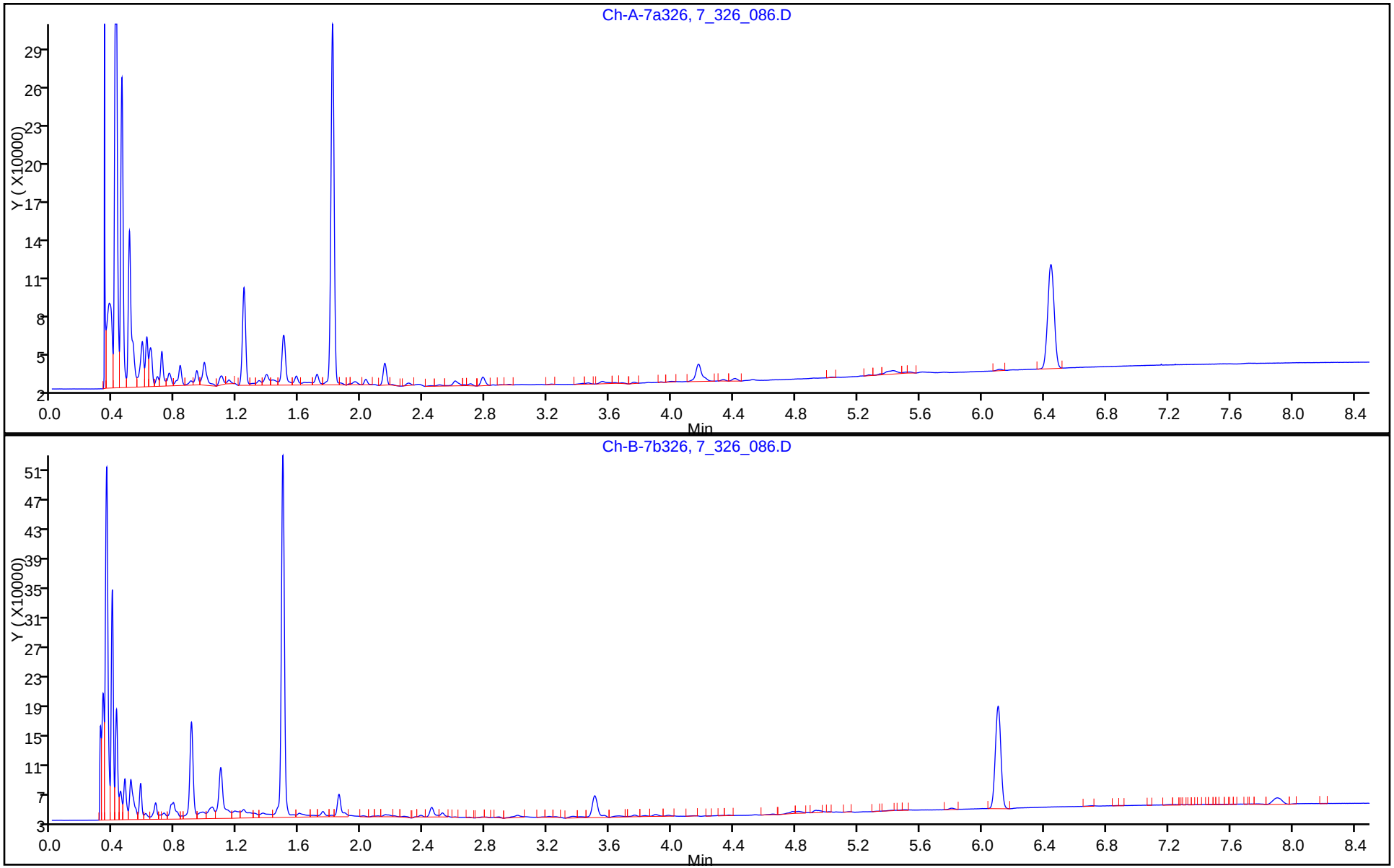
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.811	1.811	0.000	408054	0.0200	0.0190	
2	1.491	1.491	0.000	698675	0.0200	0.0256	
						RPD = 29.77	
$ 12 DCB Decachlorobiphenyl							
1	6.445	6.446	-0.001	235721	0.0200	0.0151	
2	6.105	6.104	0.001	350293	0.0200	0.0161	
						RPD = 6.39	

Report Date: 12-May-2014 06:33:53 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_086.D

Injection Date:	09-May-2014 09:12:17	Instrument ID:	HP6890-7	Operator ID:	buftchrom
Lims ID:	MB 480-180802/1-A			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-59386-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-180802/2-A

Matrix: Water | Lab File ID: 7_326_087.D

Analysis Method: 608 | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/08/2014 07:02

Sample wt/vol: 1000(mL) | Date Analyzed: 05/09/2014 09:28

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

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

Analysis Batch No.: 181106 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.949		0.060	0.038
11096-82-5	PCB-1260	1.12		0.060	0.031

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	61		10-158
877-09-8	Tetrachloro-m-xylene	98		25-151

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_087.D
Lims ID: LCS 480-180802/2-A
Client ID:
Sample Type: LCS
Inject. Date: 09-May-2014 09:28:08 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7

Method: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 12-May-2014 06:33:53 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK014

First Level Reviewer: michalej Date: 12-May-2014 06:33:56

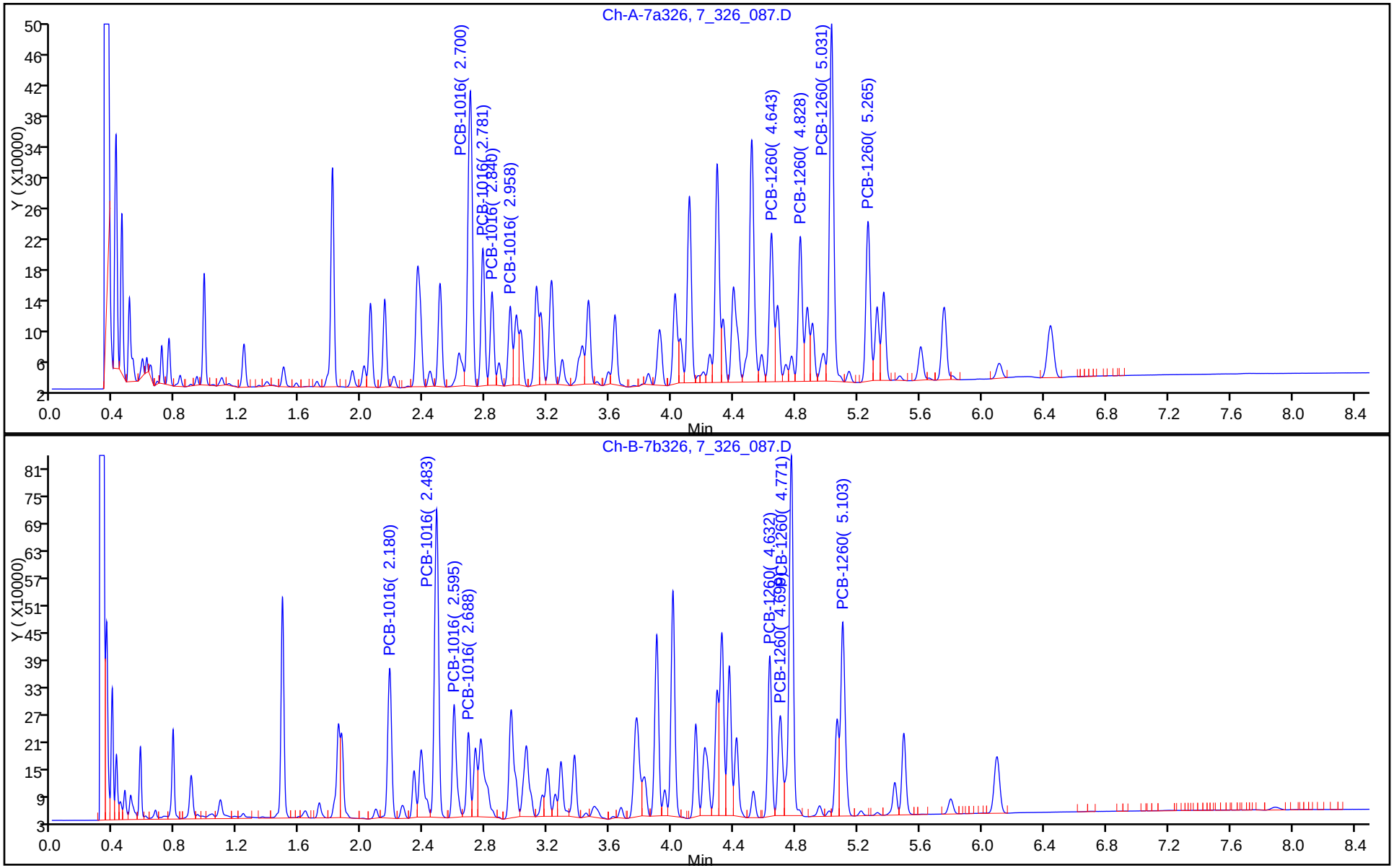
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.811	1.811	0.000	421916	0.0200	0.0196	
2	1.488	1.491	-0.003	660198	0.0200	0.0242	
						RPD = 20.91	
6 PCB-1016							
1	2.700	2.703	-0.002	784123	0.5000	0.4696	
1	2.781	2.782	-0.001	300340	0.5000	0.4732	
1	2.840	2.842	-0.002	201587	0.5000	0.4901	
1	2.958	2.960	-0.002	178074	0.5000	0.4659	
		Average of Peak Amounts =				0.4747	
2	2.180	2.183	-0.003	581793	0.5000	0.5156	
2	2.483	2.487	-0.005	1275680	0.5000	0.5488	
2	2.595	2.600	-0.005	460039	0.5000	0.5305	
2	2.688	2.692	-0.004	297755	0.5000	0.5605	
		Average of Peak Amounts =				0.5389	
						RPD = 12.67	
9 PCB-1260							
1	4.643	4.645	-0.002	372279	0.5000	0.6215	
1	4.828	4.831	-0.003	345979	0.5000	0.5813	
1	5.031	5.033	-0.001	885184	0.5000	0.5462	
1	5.265	5.267	-0.002	409978	0.5000	0.4902	
		Average of Peak Amounts =				0.5598	
2	4.632	4.638	-0.006	625752	0.5000	0.5389	
2	4.699	4.705	-0.006	450435	0.5000	0.5297	
2	4.771	4.775	-0.004	1557136	0.5000	0.5704	
2	5.103	5.108	-0.006	877632	0.5000	0.5341	
		Average of Peak Amounts =				0.5433	
						RPD = 3.00	
$ 12 DCB Decachlorobiphenyl							
1	6.443	6.446	-0.004	191921	0.0200	0.0123	
2	6.098	6.104	-0.006	315832	0.0200	0.0145	
						RPD = 16.56	

Report Date: 12-May-2014 06:33:56 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_087.D

Injection Date:	09-May-2014 09:28:08	Instrument ID:	HP6890-7	Operator ID:	buftchrom
Lims ID:	LCS 480-180802/2-A			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-180802/2-A

Matrix: Water Lab File ID: 7_326_087.D

Analysis Method: 608 Date Collected:

Extraction Method: 3510C Date Extracted: 05/08/2014 07:02

Sample wt/vol: 1000(mL) Date Analyzed: 05/09/2014 09:28

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.: 181106 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	72		10-158
877-09-8	Tetrachloro-m-xylene	121		25-151

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_087.D
Lims ID: LCS 480-180802/2-A
Client ID:
Sample Type: LCS
Inject. Date: 09-May-2014 09:28:08 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7

Method: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 12-May-2014 06:33:53 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK014

First Level Reviewer: michalej Date: 12-May-2014 06:33:56

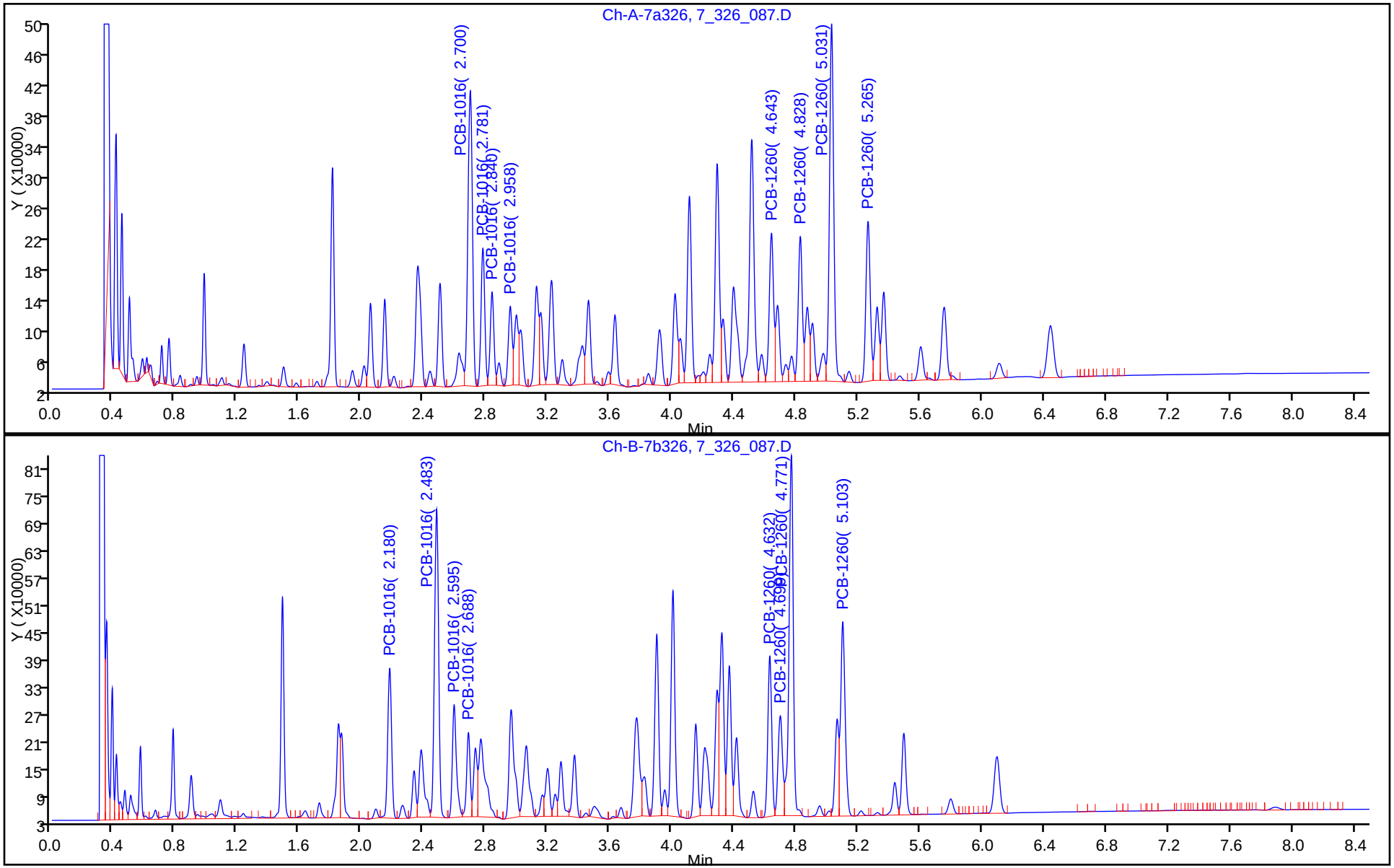
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.811	1.811	0.000	421916	0.0200	0.0196	
2	1.488	1.491	-0.003	660198	0.0200	0.0242	
						RPD = 20.91	
6 PCB-1016							
1	2.700	2.703	-0.002	784123	0.5000	0.4696	
1	2.781	2.782	-0.001	300340	0.5000	0.4732	
1	2.840	2.842	-0.002	201587	0.5000	0.4901	
1	2.958	2.960	-0.002	178074	0.5000	0.4659	
		Average of Peak Amounts =				0.4747	
2	2.180	2.183	-0.003	581793	0.5000	0.5156	
2	2.483	2.487	-0.005	1275680	0.5000	0.5488	
2	2.595	2.600	-0.005	460039	0.5000	0.5305	
2	2.688	2.692	-0.004	297755	0.5000	0.5605	
		Average of Peak Amounts =				0.5389	
						RPD = 12.67	
9 PCB-1260							
1	4.643	4.645	-0.002	372279	0.5000	0.6215	
1	4.828	4.831	-0.003	345979	0.5000	0.5813	
1	5.031	5.033	-0.001	885184	0.5000	0.5462	
1	5.265	5.267	-0.002	409978	0.5000	0.4902	
		Average of Peak Amounts =				0.5598	
2	4.632	4.638	-0.006	625752	0.5000	0.5389	
2	4.699	4.705	-0.006	450435	0.5000	0.5297	
2	4.771	4.775	-0.004	1557136	0.5000	0.5704	
2	5.103	5.108	-0.006	877632	0.5000	0.5341	
		Average of Peak Amounts =				0.5433	
						RPD = 3.00	
$ 12 DCB Decachlorobiphenyl							
1	6.443	6.446	-0.004	191921	0.0200	0.0123	
2	6.098	6.104	-0.006	315832	0.0200	0.0145	
						RPD = 16.56	

Report Date: 12-May-2014 06:33:57 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_087.D

Injection Date:	09-May-2014 09:28:08	Instrument ID:	HP6890-7	Operator ID:	buftchrom
Lims ID:	LCS 480-180802/2-A			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-59386-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 480-180802/3-A

Matrix: Water | Lab File ID: 7_326_088.D

Analysis Method: 608 | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/08/2014 07:02

Sample wt/vol: 1000(mL) | Date Analyzed: 05/09/2014 09:44

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

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

Analysis Batch No.: 181106 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.875		0.060	0.038
11096-82-5	PCB-1260	1.03		0.060	0.031

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	61		10-158
877-09-8	Tetrachloro-m-xylene	93		25-151

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_088.D
Lims ID: LCSD 480-180802/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 09-May-2014 09:44:12 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7

Method: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 12-May-2014 06:33:53 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK014

First Level Reviewer: michalej Date: 12-May-2014 06:34:00

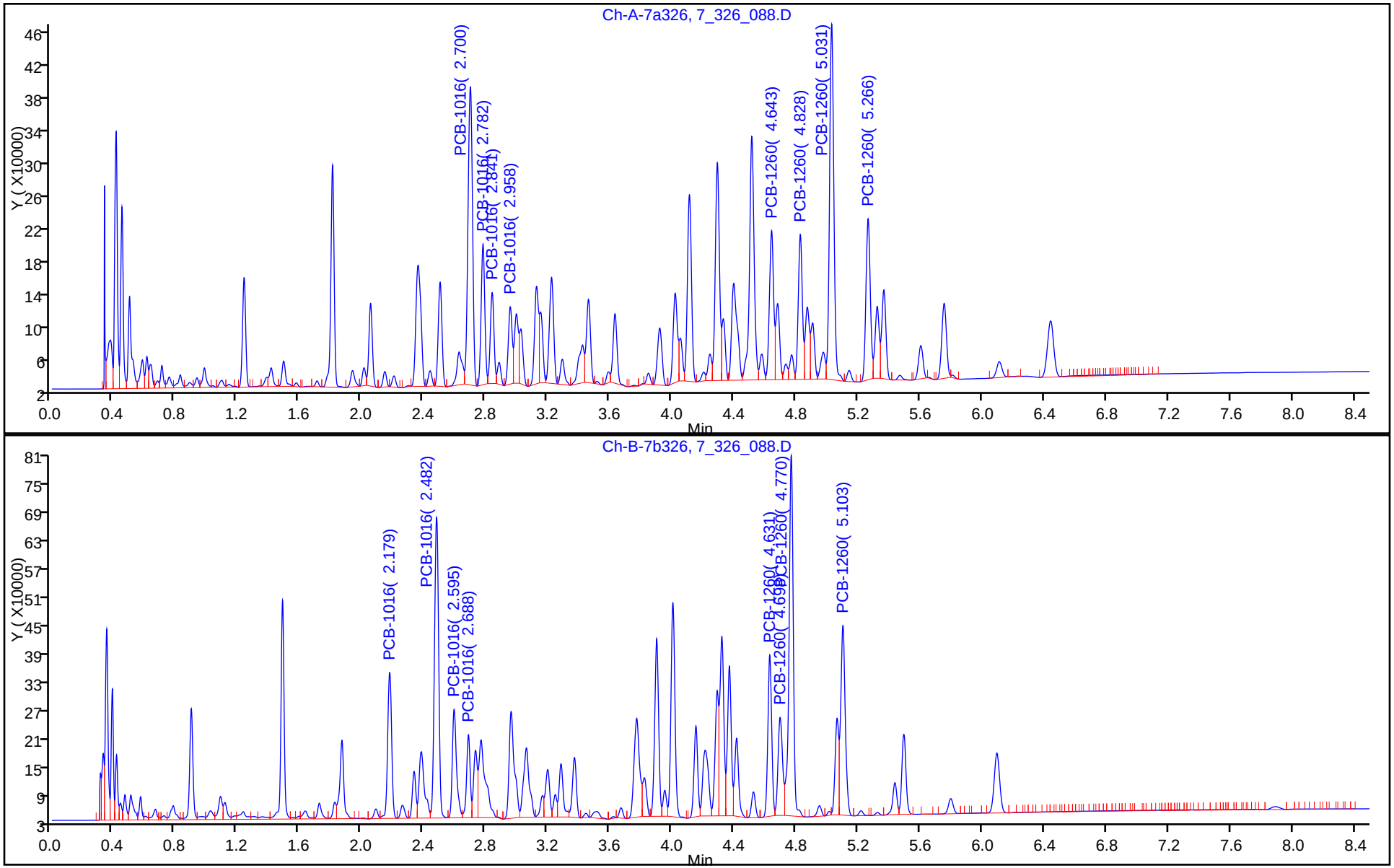
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.811	1.811	0.000	398959	0.0200	0.0185	
2	1.488	1.491	-0.003	654093	0.0200	0.0240	
						RPD = 25.51	
6 PCB-1016							
1	2.700	2.703	-0.002	730690	0.5000	0.4376	
1	2.782	2.782	0.000	277500	0.5000	0.4372	
1	2.841	2.842	-0.001	182638	0.5000	0.4440	
1	2.958	2.960	-0.002	164459	0.5000	0.4303	
		Average of Peak Amounts =				0.4373	
2	2.179	2.183	-0.004	555048	0.5000	0.4919	
2	2.482	2.487	-0.005	1204720	0.5000	0.5183	
2	2.595	2.600	-0.005	437530	0.5000	0.5046	
2	2.688	2.692	-0.004	284173	0.5000	0.5349	
		Average of Peak Amounts =				0.5124	
						RPD = 15.83	
9 PCB-1260							
1	4.643	4.645	-0.002	338878	0.5000	0.5657	
1	4.828	4.831	-0.003	318364	0.5000	0.5349	
1	5.031	5.033	-0.001	823564	0.5000	0.5082	
1	5.266	5.267	-0.001	380018	0.5000	0.4544	
		Average of Peak Amounts =				0.5158	
2	4.631	4.638	-0.007	583707	0.5000	0.5027	
2	4.698	4.705	-0.007	426569	0.5000	0.5016	
2	4.770	4.775	-0.005	1462604	0.5000	0.5358	
2	5.103	5.108	-0.005	820889	0.5000	0.4996	
		Average of Peak Amounts =				0.5099	
						RPD = 1.15	
$ 12 DCB Decachlorobiphenyl							
1	6.444	6.446	-0.002	191068	0.0200	0.0122	
2	6.097	6.104	-0.007	313063	0.0200	0.0144	
						RPD = 16.13	

Report Date: 12-May-2014 06:34:00 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_088.D

Injection Date:	09-May-2014 09:44:12	Instrument ID:	HP6890-7	Operator ID:	buftchrom
Lims ID:	LCSD 480-180802/3-A			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 480-180802/3-A

Matrix: Water Lab File ID: 7_326_088.D

Analysis Method: 608 Date Collected:

Extraction Method: 3510C Date Extracted: 05/08/2014 07:02

Sample wt/vol: 1000(mL) Date Analyzed: 05/09/2014 09:44

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.: 181106 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	72		10-158
877-09-8	Tetrachloro-m-xylene	120		25-151

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_088.D
Lims ID: LCSD 480-180802/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 09-May-2014 09:44:12 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7

Method: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\HP7-PCBS.m
Limit Group: GC - 608 PCB ICAL
Last Update: 12-May-2014 06:33:53 Calib Date: 03-Dec-2013 12:00:27
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20131203-27807.b\7_305_023.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK014

First Level Reviewer: michalej Date: 12-May-2014 06:34:00

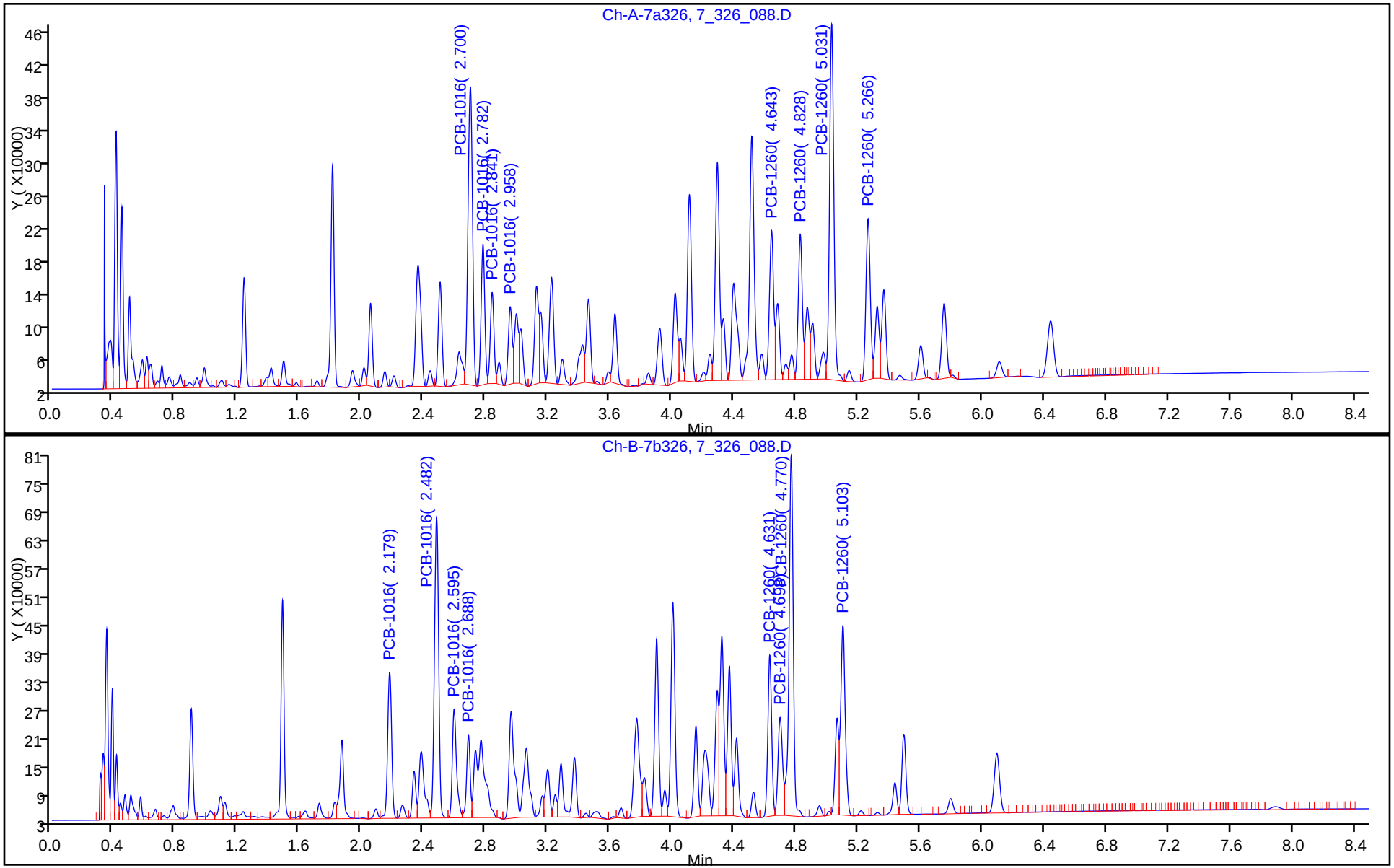
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.811	1.811	0.000	398959	0.0200	0.0185	
2	1.488	1.491	-0.003	654093	0.0200	0.0240	
						RPD = 25.51	
6 PCB-1016							
1	2.700	2.703	-0.002	730690	0.5000	0.4376	
1	2.782	2.782	0.000	277500	0.5000	0.4372	
1	2.841	2.842	-0.001	182638	0.5000	0.4440	
1	2.958	2.960	-0.002	164459	0.5000	0.4303	
		Average of Peak Amounts =				0.4373	
2	2.179	2.183	-0.004	555048	0.5000	0.4919	
2	2.482	2.487	-0.005	1204720	0.5000	0.5183	
2	2.595	2.600	-0.005	437530	0.5000	0.5046	
2	2.688	2.692	-0.004	284173	0.5000	0.5349	
		Average of Peak Amounts =				0.5124	
						RPD = 15.83	
9 PCB-1260							
1	4.643	4.645	-0.002	338878	0.5000	0.5657	
1	4.828	4.831	-0.003	318364	0.5000	0.5349	
1	5.031	5.033	-0.001	823564	0.5000	0.5082	
1	5.266	5.267	-0.001	380018	0.5000	0.4544	
		Average of Peak Amounts =				0.5158	
2	4.631	4.638	-0.007	583707	0.5000	0.5027	
2	4.698	4.705	-0.007	426569	0.5000	0.5016	
2	4.770	4.775	-0.005	1462604	0.5000	0.5358	
2	5.103	5.108	-0.005	820889	0.5000	0.4996	
		Average of Peak Amounts =				0.5099	
						RPD = 1.15	
$ 12 DCB Decachlorobiphenyl							
1	6.444	6.446	-0.002	191068	0.0200	0.0122	
2	6.097	6.104	-0.007	313063	0.0200	0.0144	
						RPD = 16.13	

Report Date: 12-May-2014 06:34:01 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140509-31928.b\7_326_088.D

Injection Date:	09-May-2014 09:44:12	Instrument ID:	HP6890-7	Operator ID:	buftchrom
Lims ID:	LCSD 480-180802/3-A			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	HP7-PCBS	Limit Group:	GC - 608 PCB ICAL		



PESTICIDES/PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 12/03/2013 06:43

Analysis Batch Number: 155278 End Date: 12/03/2013 13:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 480-155278/1 IC		12/03/2013 06:43	1	7_305_003.D	ZB-5 0.53(mm)
STD1 480-155278/1 IC		12/03/2013 06:43	1	7_305_003.D	ZB-35 0.53(mm)
STD2 480-155278/2 IC		12/03/2013 06:58	1	7_305_004.D	ZB-5 0.53(mm)
STD2 480-155278/2 IC		12/03/2013 06:58	1	7_305_004.D	ZB-35 0.53(mm)
STD3 480-155278/3 IC		12/03/2013 07:14	1	7_305_005.D	ZB-5 0.53(mm)
STD3 480-155278/3 IC		12/03/2013 07:14	1	7_305_005.D	ZB-35 0.53(mm)
STD4 480-155278/4 IC		12/03/2013 07:30	1	7_305_006.D	ZB-5 0.53(mm)
STD4 480-155278/4 IC		12/03/2013 07:30	1	7_305_006.D	ZB-35 0.53(mm)
STD5 480-155278/5 IC		12/03/2013 07:46	1	7_305_007.D	ZB-5 0.53(mm)
STD5 480-155278/5 IC		12/03/2013 07:46	1	7_305_007.D	ZB-35 0.53(mm)
STD6 480-155278/6 IC		12/03/2013 08:02	1	7_305_008.D	ZB-5 0.53(mm)
STD6 480-155278/6 IC		12/03/2013 08:02	1	7_305_008.D	ZB-35 0.53(mm)
STD7 480-155278/7 IC		12/03/2013 08:18	1	7_305_009.D	ZB-5 0.53(mm)
STD7 480-155278/7 IC		12/03/2013 08:18	1	7_305_009.D	ZB-35 0.53(mm)
STD21 480-155278/8 IC		12/03/2013 08:49	1	7_305_011.D	ZB-5 0.53(mm)
STD21 480-155278/8 IC		12/03/2013 08:49	1	7_305_011.D	ZB-35 0.53(mm)
ICV 480-155278/10		12/03/2013 09:05	1		ZB-5 0.53(mm)
ICV 480-155278/10		12/03/2013 09:05	1		ZB-35 0.53(mm)
STD32 480-155278/11 IC		12/03/2013 09:21	1	7_305_013.D	ZB-5 0.53(mm)
STD32 480-155278/11 IC		12/03/2013 09:21	1	7_305_013.D	ZB-35 0.53(mm)
ICV 480-155278/12		12/03/2013 09:37	1		ZB-5 0.53(mm)
ICV 480-155278/12		12/03/2013 09:37	1		ZB-35 0.53(mm)
STD42 480-155278/13 IC		12/03/2013 09:53	1	7_305_015.D	ZB-5 0.53(mm)
STD42 480-155278/13 IC		12/03/2013 09:53	1	7_305_015.D	ZB-35 0.53(mm)
ICV 480-155278/14		12/03/2013 10:09	1		ZB-5 0.53(mm)
ICV 480-155278/14		12/03/2013 10:09	1		ZB-35 0.53(mm)
STD48 480-155278/15 IC		12/03/2013 10:25	1	7_305_017.D	ZB-5 0.53(mm)
STD48 480-155278/15 IC		12/03/2013 10:25	1	7_305_017.D	ZB-35 0.53(mm)
ICV 480-155278/16		12/03/2013 10:41	1		ZB-5 0.53(mm)
ICV 480-155278/16		12/03/2013 10:41	1		ZB-35 0.53(mm)
STD54 480-155278/17 IC		12/03/2013 10:56	1	7_305_019.D	ZB-5 0.53(mm)
STD54 480-155278/17 IC		12/03/2013 10:56	1	7_305_019.D	ZB-35 0.53(mm)
ICV 480-155278/18		12/03/2013 11:12	1		ZB-5 0.53(mm)
ICV 480-155278/18		12/03/2013 11:12	1		ZB-35 0.53(mm)
STD62 480-155278/19 IC		12/03/2013 11:28	1		ZB-5 0.53(mm)
STD62 480-155278/19 IC		12/03/2013 11:28	1		ZB-35 0.53(mm)
STD68 480-155278/21 IC		12/03/2013 12:00	1		ZB-5 0.53(mm)
STD68 480-155278/21 IC		12/03/2013 12:00	1		ZB-35 0.53(mm)
ICV 480-155278/24		12/03/2013 12:32	1		ZB-5 0.53(mm)

PESTICIDES/PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 12/03/2013 06:43

Analysis Batch Number: 155278 End Date: 12/03/2013 13:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICV 480-155278/24		12/03/2013 12:32	1		ZB-35 0.53(mm)
ICV 480-155278/25		12/03/2013 13:03	1		ZB-5 0.53(mm)
ICV 480-155278/25		12/03/2013 13:03	1		ZB-35 0.53(mm)
ICV 480-155278/27		12/03/2013 13:59	1		ZB-5 0.53(mm)
ICV 480-155278/27		12/03/2013 13:59	1		ZB-35 0.53(mm)

PESTICIDES/PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 05/09/2014 08:42

Analysis Batch Number: 181106 End Date: 05/09/2014 13:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-181106/38		05/09/2014 08:42	1	7_326_085.D	ZB-5 0.53(mm)
CCV 480-181106/38		05/09/2014 08:42	1	7_326_085.D	ZB-35 0.53(mm)
MB 480-180802/1-A		05/09/2014 09:12	1	7_326_086.D	ZB-5 0.53(mm)
MB 480-180802/1-A		05/09/2014 09:12	1	7_326_086.D	ZB-35 0.53(mm)
LCS 480-180802/2-A		05/09/2014 09:28	1	7_326_087.D	ZB-5 0.53(mm)
LCS 480-180802/2-A		05/09/2014 09:28	1	7_326_087.D	ZB-35 0.53(mm)
LCSD 480-180802/3-A		05/09/2014 09:44	1	7_326_088.D	ZB-5 0.53(mm)
LCSD 480-180802/3-A		05/09/2014 09:44	1	7_326_088.D	ZB-35 0.53(mm)
ZZZZZ		05/09/2014 10:00	1		ZB-5 0.53(mm)
ZZZZZ		05/09/2014 10:00	1		ZB-35 0.53(mm)
ZZZZZ		05/09/2014 10:15	1		ZB-5 0.53(mm)
ZZZZZ		05/09/2014 10:15	1		ZB-35 0.53(mm)
ZZZZZ		05/09/2014 10:31	1		ZB-5 0.53(mm)
ZZZZZ		05/09/2014 10:31	1		ZB-35 0.53(mm)
ZZZZZ		05/09/2014 10:47	1		ZB-5 0.53(mm)
ZZZZZ		05/09/2014 10:47	1		ZB-35 0.53(mm)
ZZZZZ		05/09/2014 11:03	1		ZB-5 0.53(mm)
ZZZZZ		05/09/2014 11:03	1		ZB-35 0.53(mm)
ZZZZZ		05/09/2014 11:19	1		ZB-5 0.53(mm)
ZZZZZ		05/09/2014 11:19	1		ZB-35 0.53(mm)
ZZZZZ		05/09/2014 11:35	5		ZB-5 0.53(mm)
ZZZZZ		05/09/2014 11:35	5		ZB-35 0.53(mm)
CCV 480-181106/28		05/09/2014 11:51	1	7_326_096.D	ZB-5 0.53(mm)
CCV 480-181106/28		05/09/2014 11:51	1	7_326_096.D	ZB-35 0.53(mm)
ZZZZZ		05/09/2014 12:23	1		ZB-5 0.53(mm)
ZZZZZ		05/09/2014 12:23	1		ZB-35 0.53(mm)
ZZZZZ		05/09/2014 12:38	1		ZB-5 0.53(mm)
ZZZZZ		05/09/2014 12:38	1		ZB-35 0.53(mm)
ZZZZZ		05/09/2014 12:54	1		ZB-5 0.53(mm)
ZZZZZ		05/09/2014 12:54	1		ZB-35 0.53(mm)
ZZZZZ		05/09/2014 13:10	1		ZB-5 0.53(mm)
ZZZZZ		05/09/2014 13:10	1		ZB-35 0.53(mm)
ZZZZZ		05/09/2014 13:26	1		ZB-5 0.53(mm)
ZZZZZ		05/09/2014 13:26	1		ZB-35 0.53(mm)
480-59386-1	PT2-1(L)	05/09/2014 13:42	1	7_326_103.D	ZB-5 0.53(mm)
480-59386-1	PT2-1(L)	05/09/2014 13:42	1	7_326_103.D	ZB-35 0.53(mm)
CCV 480-181106/36		05/09/2014 13:58	1	7_326_104.D	ZB-5 0.53(mm)
CCV 480-181106/36		05/09/2014 13:58	1	7_326_104.D	ZB-35 0.53(mm)

608

PESTICIDES/PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Batch Number: 180802 Batch Start Date: 05/08/14 07:02 Batch Analyst: Ziemer, Michael C

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	GrossWeight	TareWeight	InitialAmount	FinalAmount	O_608PCBSpike 00006
MB 480-180802/1		3510C, 608		7 SU			1000 mL	2 mL	
LCS 480-180802/2		3510C, 608		7 SU			1000 mL	2 mL	1 mL
LCSD 480-180802/3		3510C, 608		7 SU			1000 mL	2 mL	1 mL
480-59386-D-1	PT2-1(L)	3510C, 608	T	6 SU	001557.4 g	000503.0 g	1054.4 mL	2 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_PCBLLsurr 00018					
MB 480-180802/1		3510C, 608		1 mL					
LCS 480-180802/2		3510C, 608		1 mL					
LCSD 480-180802/3		3510C, 608		1 mL					
480-59386-D-1	PT2-1(L)	3510C, 608	T	1 mL					

Batch Notes	
Balance ID	14552245
Person's name who did the concentration	MZ, LF, MRB
Exchange Solvent Lot #	0000070764
Exchange Solvent Name	Hexane
Na2SO4 Lot Number	27864002
Prep Solvent Lot #	0000073967
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	180 mL
Person's name who did the prep	MRB MZ
Person's name who witnessed reagent drop	MRB
Analyst who added reagent	MRB
Person who performed Spike	MRB
Person who witnessed spiking	MRB
Sufficient volume for MS/MSD?	Yes

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.

PESTICIDES/PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Batch Number: 180802 Batch Start Date: 05/08/14 07:02 Batch Analyst: Ziemer, Michael C

Batch Method: 3510C Batch End Date:

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: 480-59386-1

SDG No.:

Project: Mt Kisco

Client Sample ID	Lab Sample ID
PT2-1(L)	480-59386-1

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PT2-1(L) Lab Sample ID: 480-59386-1

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG ID.:

Matrix: Water Date Sampled: 05/06/2014 14:45

Reporting Basis: WET Date Received: 05/07/2014 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.025	0.0020	0.00070	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-50-8	Copper	0.0019	0.010	0.0016	mg/L	J		1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	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
7440-66-6	Zinc	0.034	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

ICV Source: MEI_04_ICV_00250 Concentration Units: mg/L

CCV Source: MEI_09_CCV_00160

Analyte	ICV 480-181075/5 05/08/2014 15:25				CCV 480-181075/11 05/08/2014 15:42				CCV 480-181075/15 05/08/2014 15:53			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.376		0.375	100	0.505		0.500	101	0.506		0.500	101
Barium	0.381		0.375	102	0.498		0.500	100	0.498		0.500	100
Cadmium	0.374		0.375	100	0.498		0.500	100	0.500		0.500	100
Chromium	0.372		0.375	99	0.500		0.500	100	0.499		0.500	100
Copper	0.372		0.375	99	0.499		0.500	100	0.501		0.500	100
Lead	0.373		0.375	99	0.493		0.500	99	0.498		0.500	100
Nickel	0.372		0.375	99	0.495		0.500	99	0.498		0.500	100
Selenium	0.373		0.375	99	0.501		0.500	100	0.500		0.500	100
Silver	0.365		0.375	97	0.497		0.500	99	0.495		0.500	99
Zinc	0.375		0.375	100	0.508		0.500	102	0.505		0.500	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.: 480-59386-1

SDG No.:

ICV Source: MEI_04_ICV_00250 Concentration Units: mg/L

CCV Source: MEI_09_CCV_00160

Analyte	CCV 480-181075/27 05/08/2014 16:26				CCV 480-181075/39 05/08/2014 16:59				CCV 480-181075/49 05/08/2014 17:33			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.507		0.500	101	0.500		0.500	100	0.504		0.500	101
Barium	0.501		0.500	100	0.496		0.500	99	0.503		0.500	101
Cadmium	0.495		0.500	99	0.493		0.500	99	0.492		0.500	98
Chromium	0.490		0.500	98	0.497		0.500	99	0.493		0.500	99
Copper	0.496		0.500	99	0.493		0.500	99	0.497		0.500	99
Lead	0.493		0.500	99	0.499		0.500	100	0.493		0.500	99
Nickel	0.493		0.500	99	0.498		0.500	100	0.498		0.500	100
Selenium	0.509		0.500	102	0.496		0.500	99	0.502		0.500	100
Silver	0.487		0.500	97	0.493		0.500	99	0.489		0.500	98
Zinc	0.488		0.500	98	0.506		0.500	101	0.490		0.500	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

ICV Source: MEI_10_CCVL_00029 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00023

Analyte	ICVL 480-181075/7 05/08/2014 15:30				CCVL 480-181075/13 05/08/2014 15:47							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0140	J	0.0150	93	0.0131	J	0.0150	87				
Barium	0.00219		0.00200	110	0.00229		0.00200	115				
Cadmium	0.00212		0.00200	106	0.00200		0.00200	100				
Chromium	0.00436		0.00400	109	0.00358	J	0.00400	90				
Copper	0.00972	J	0.0100	97	0.00936	J	0.0100	94				
Lead	0.0106		0.0100	106	0.00928	J	0.0100	93				
Nickel	0.00965	J	0.0100	97	0.00960	J	0.0100	96				
Selenium	0.0252		0.0250	101	0.0259		0.0250	104				
Silver	0.00583	J	0.00600	97	0.00696		0.00600	116				
Zinc	0.0102		0.0100	102	0.00951	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.

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

ICV Source: MEI_10_CCVL_00029 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00029

Analyte	ICVL 480-181075/7 05/08/2014 15:30				CCVL 480-181075/17 05/08/2014 15:59				CCVL 480-181075/29 05/08/2014 16:32			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0140	J	0.0150	93	0.0139	J	0.0150	93	0.0138	J	0.0150	92
Barium	0.00219		0.00200	110	0.00221		0.00200	111	0.00242		0.00200	121
Cadmium	0.00212		0.00200	106	0.00194	J	0.00200	97	0.00195	J	0.00200	98
Chromium	0.00436		0.00400	109	0.00370	J	0.00400	93	0.00371	J	0.00400	93
Copper	0.00972	J	0.0100	97	0.00864	J	0.0100	86	0.00913	J	0.0100	91
Lead	0.0106		0.0100	106	0.0103		0.0100	103	0.00850	J	0.0100	85
Nickel	0.00965	J	0.0100	97	0.00982	J	0.0100	98	0.00966	J	0.0100	97
Selenium	0.0252		0.0250	101	0.0243	J	0.0250	97	0.0241	J	0.0250	96
Silver	0.00583	J	0.00600	97	0.00562	J	0.00600	94	0.00588	J	0.00600	98
Zinc	0.0102		0.0100	102	0.0102		0.0100	102	0.00936	J	0.0100	94

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

ICV Source: MEI_10_CCVL_00029 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00029

Analyte	CCVL 480-181075/41 05/08/2014 17:05				CCVL 480-181075/51 05/08/2014 17:38							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0140	J	0.0150	93	0.0147	J	0.0150	98				
Barium	0.00236		0.00200	118	0.00235		0.00200	118				
Cadmium	0.00193	J	0.00200	97	0.00193	J	0.00200	97				
Chromium	0.00373	J	0.00400	93	0.00417		0.00400	104				
Copper	0.00927	J	0.0100	93	0.00951	J	0.0100	95				
Lead	0.00938	J	0.0100	94	0.0101		0.0100	101				
Nickel	0.00958	J	0.0100	96	0.00999	J	0.0100	100				
Selenium	0.0247	J	0.0250	99	0.0245	J	0.0250	98				
Silver	0.00593	J	0.00600	99	0.00594	J	0.00600	99				
Zinc	0.0101		0.0100	101	0.00931	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.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

ICV Source: MEH_HG2_WKG_00637 Concentration Units: mg/L

CCV Source: MEH_HG2_WKG_00637

Analyte	ICV 480-181531/1 05/12/2014 11:19				ICVL 480-181531/3 05/12/2014 11:22				CCV 480-181531/64 05/12/2014 13:05			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00291		0.00300	97	0.000184	J	0.000200	92	0.00191		0.00200	96

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

ICV Source: MEH_HG2_WKG_00637 Concentration Units: mg/L

CCV Source: MEH_HG2_WKG_00637

Analyte	CCV 480-181531/76 05/12/2014 13:25				CCV 480-181531/88 05/12/2014 13:46				CCV 480-181531/97 05/12/2014 14:05			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00193		0.00200	97	0.00193		0.00200	97	0.00194		0.00200	97

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.: 480-59386-1

SDG No.:

ICV Source: MEH_HG2_WKG_00637 Concentration Units: mg/L

CCV Source: MEH_HG2_WKG_00637

Analyte	CCVL 480-181531/99 05/12/2014 14:09											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.000191	J	0.000200	96								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Method: 6010C Instrument ID: ICAP1

Lab Sample ID: CRI 480-181075/8 Concentration Units: mg/L

CRQL Check Standard Source: MEI_10_CRI_00001

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0100	0.0101	J	101	
Barium	0.00200	0.00213		107	
Cadmium	0.00100	0.00107	J	107	
Chromium	0.00400	0.00406		102	
Copper	0.0100	0.00964	J	96	
Lead	0.00500	0.00509	J	102	
Nickel	0.0100	0.00999	J	100	
Selenium	0.0150	0.0155	J	103	
Silver	0.00300	0.00302	J	101	
Zinc	0.0100	0.0105		105	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-181075/6 05/08/2014 15:28		CCB 480-181075/12 05/08/2014 15:45		CCB 480-181075/16 05/08/2014 15:56		CCB 480-181075/28 05/08/2014 16:29	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.015	ND		ND		ND		ND	
Barium	0.0020	ND		ND		ND		ND	
Cadmium	0.0020	ND		ND		ND		ND	
Chromium	0.0040	ND		ND		ND		ND	
Copper	0.010	ND		ND		ND		ND	
Lead	0.010	ND		ND		ND		ND	
Nickel	0.010	ND		ND		ND		ND	
Selenium	0.025	ND		ND		ND		ND	
Silver	0.0060	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.: 480-59386-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	CCB 480-181075/40 05/08/2014 17:02		CCB 480-181075/50 05/08/2014 17:36					
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.015	ND		ND					
Barium	0.0020	ND		ND					
Cadmium	0.0020	ND		ND					
Chromium	0.0040	ND		ND					
Copper	0.010	ND		ND					
Lead	0.010	ND		ND					
Nickel	0.010	ND		ND					
Selenium	0.025	ND		ND					
Silver	0.0060	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.: 480-59386-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-181531/2 05/12/2014 11:21		CCB 480-181531/65 05/12/2014 13:07		CCB 480-181531/77 05/12/2014 13:27		CCB 480-181531/89 05/12/2014 13:47	
		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.: 480-59386-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	CCB 480-181531/98 05/12/2014 14:07							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	ND							

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 480-180820/1-A

Instrument Code: ICAP1 Batch No.: 181075

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010C
7440-39-3	Barium	ND			6010C
7440-43-9	Cadmium	ND			6010C
7440-47-3	Chromium	ND			6010C
7440-50-8	Copper	ND			6010C
7439-92-1	Lead	ND			6010C
7440-02-0	Nickel	ND			6010C
7782-49-2	Selenium	ND			6010C
7440-22-4	Silver	ND			6010C
7440-66-6	Zinc	ND			6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 480-181210/1-A

Instrument Code: LEEMAN2 Batch No.: 181531

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.: 480-59386-1

SDG No.:

Lab Sample ID: ICSA 480-181075/9 Instrument ID: ICAP1

Lab File ID: ICS Source: MEI_07_ICSA_00066

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-0.0002**	
Barium		**0.0002**	
Cadmium		**0.0009**	
Chromium		**0.0013**	
Copper		**0.0025**	
Lead		**-0.0030**	
Nickel		**0.0009**	
Selenium		**0.0033**	
Silver		**0.0020**	
Zinc		**0.0013**	
Aluminum	*500*	*520*	*104*
Antimony		*-0.0106*	
Beryllium		*-0.0001*	
Boron		*-0.0013*	
Calcium	*500*	*490*	*98*
Cobalt		*-0.0005*	
Iron	*200*	*201*	*100*
Lithium		*0.0038*	
Magnesium	*500*	*506*	*101*
Manganese		*0.0044*	
Molybdenum		*-0.0015*	
Potassium		*-0.0576*	
Silicon		*0.0047*	
Sodium		*0.0179*	
Strontium		*0.0148*	
Sulfur		*-0.0959*	
Thallium		*0.0010*	
Tin		*0.0013*	
Titanium		*0.0018*	
Vanadium		*0.0003*	

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.: 480-59386-1

SDG No.:

Lab Sample ID: ICSAB 480-181075/10 Instrument ID: ICAP1

Lab File ID: ICS Source: MEI_08_ICSAB_00081

Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Arsenic	**0.100**	**0.110**	**110**
Barium	**0.500**	**0.505**	**101**
Cadmium	**1.00**	**1.02**	**102**
Chromium	**0.500**	**0.476**	**95**
Copper	**0.500**	**0.531**	**106**
Lead	**0.0500**	**0.0442**	**88**
Nickel	**1.00**	**0.976**	**98**
Selenium	**0.0500**	**0.0459**	**92**
Silver	**0.200**	**0.217**	**109**
Zinc	**1.00**	**0.965**	**97**
Aluminum	*501*	*517*	*103*
Antimony	*0.600*	*0.602*	*100*
Beryllium	*0.500*	*0.510*	*102*
Boron		*0.0030*	
Calcium	*501*	*479*	*96*
Cobalt	*0.500*	*0.501*	*100*
Iron	*100*	*97.4*	*97*
Lithium	*0.500*	*0.529*	*106*
Magnesium	*501*	*504*	*101*
Manganese	*0.500*	*0.476*	*95*
Molybdenum		*0.0000*	
Potassium		*0.0103*	
Silicon	*1.00*	*1.09*	*109*
Sodium		*0.0839*	
Strontium	*0.500*	*0.508*	*102*
Sulfur	*0.500*	*0.486*	*97*
Thallium	*0.100*	*0.101*	*101*
Tin		*0.0009*	
Titanium		*0.0028*	
Vanadium	*0.500*	*0.485*	*97*

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 480-180820/2-A

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

Sample Matrix: Water LCS Source: MED_01_W1_00019

Analyte	Water(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	0.200	0.208		104	80	120		6010C
Barium	0.200	0.211		106	80	120		6010C
Cadmium	0.200	0.206		103	80	120		6010C
Chromium	0.200	0.203		102	80	120		6010C
Copper	0.200	0.206		103	80	120		6010C
Lead	0.200	0.203		101	80	120		6010C
Nickel	0.200	0.201		100	80	120		6010C
Selenium	0.200	0.205		102	80	120		6010C
Silver	0.0500	0.0507		101	80	120		6010C
Zinc	0.200	0.199		99	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 480-181210/2-A

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

Sample Matrix: Water LCS Source: MEH_HG2_WKG_00637

Analyte	Water(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.00667	0.00673		101	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: 480-59386-1

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)
Arsenic	189.042	0.015	0.00555
Barium	455.403	0.002	0.0007
Cadmium	228.802	0.002	0.0005
Chromium	267.716	0.004	0.001
Copper	324.754	0.01	0.0016
Lead	220.353	0.01	0.003
Nickel	231.604	0.01	0.00126
Selenium	196.090	0.025	0.0087
Silver	328.068	0.006	0.0017
Zinc	206.200	0.01	0.0015

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-59386-1

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)
Arsenic	189.042	0.015	0.00555
Barium	455.403	0.002	0.0007
Cadmium	228.802	0.002	0.0005
Chromium	267.716	0.004	0.001
Copper	324.754	0.01	0.0016
Lead	220.353	0.01	0.003
Nickel	231.604	0.01	0.00126
Selenium	196.090	0.025	0.0087
Silver	328.068	0.006	0.0017
Zinc	206.2	0.01	0.0015

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-59386-1

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: 480-59386-1

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

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-59386-1

SDG No.:

ICP-AES Instrument ID: ICAP1 Date: 04/21/2014

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Li
Aluminum	308.215														
Antimony	206.833		-0.000024								0.002989				
Arsenic	189.042		-0.000011								-0.011625				
Barium	455.403														
Beryllium	313.042														
Boron	208.959														
Cadmium	228.802			0.004710									-0.000002		
Calcium	317.933														
Chromium	267.716												-0.000013		
Cobalt	228.616														
Copper	324.754												-0.000013		
Iron	259.940														
Lead	220.353		-0.000023									-0.000495	0.000040		
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Potassium	766.490														
Selenium	196.090		-0.000030												
Silicon	288.158														
Silver	328.068												-0.000013		
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034		-0.000287												
Thallium	190.856									0.002761					
Tin	189.989														
Titanium	334.904										0.000160				
Vanadium	292.402												0.000022		
Zinc	206.200										-0.001934				

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-59386-1

SDG No.:

ICP-AES Instrument ID: ICAP1 Date: 04/21/2014

Analyte	Wave Length	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	Sn	Sr	Ti	Tl
Aluminum	308.215														
Antimony	206.833										0.000029				
Arsenic	189.042														
Barium	455.403										0.000002				
Beryllium	313.042										0.000150			-0.000681	
Boron	208.959			0.032584							0.000150				
Cadmium	228.802										0.000004				
Calcium	317.933														
Chromium	267.716		0.000227												
Cobalt	228.616			-0.001154							-0.000016			0.001598	
Copper	324.754													-0.000425	
Iron	259.940														
Lead	220.353			-0.001880							0.000094			-0.000587	
Lithium	670.784														
Magnesium	279.079		-0.006007												
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Potassium	766.490														
Selenium	196.090										0.000019				
Silicon	288.158														
Silver	328.068		0.000206												
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034														
Thallium	190.856		0.000452											-0.000708	
Tin	189.989													-0.000393	
Titanium	334.904														
Vanadium	292.402			-0.004051											
Zinc	206.200														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-59386-1

SDG No.:

ICP-AES Instrument ID: ICAP1 Date: 04/21/2014

Analyte	Wave Length	V	Zn												
Aluminum	308.215	0.000143													
Antimony	206.833														
Arsenic	189.042														
Barium	455.403														
Beryllium	313.042	0.000339													
Boron	208.959														
Cadmium	228.802	0.000056													
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616														
Copper	324.754	-0.000250													
Iron	259.940														
Lead	220.353	-0.000113													
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Potassium	766.490														
Selenium	196.090														
Silicon	288.158														
Silver	328.068	.000065													
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034														
Thallium	190.856	0.000691													
Tin	189.989														
Titanium	334.904														
Vanadium	292.402														
Zinc	206.200														

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Buffalo Job No: 480-59386-1

SDG No.:

Instrument ID: ICAP1 Date: 03/07/2014 15:41

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Arsenic	15	40	6010C
Barium	15	10	6010C
Cadmium	15	5	6010C
Chromium	15	40	6010C
Copper	15	20	6010C
Lead	15	120	6010C
Nickel	15	20	6010C
Selenium	15	50	6010C
Silver	15	2	6010C
Zinc	15	20	6010C

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Buffalo Job No: 480-59386-1

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.: 480-59386-1

SDG No.:

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-180820/1-A	05/08/2014 10:00	180820		50	50
LCS 480-180820/2-A	05/08/2014 10:00	180820		50	50
480-59386-1	05/08/2014 10:00	180820		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-181210/1-A	05/12/2014 08:35	181210		30	50
LCS 480-181210/2-A	05/12/2014 08:35	181210		30	50
480-59386-1	05/12/2014 08:35	181210		30	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: ICAP1 Method: 6010C

Start Date: 05/08/2014 15:14 End Date: 05/08/2014 17:38

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Cu	Ni	Pb	Se	Zn										
IC 480-181075/1			15:14	X	X	X	X	X	X	X	X	X	X										
IC 480-181075/2			15:17	X	X	X	X	X	X	X	X	X	X										
IC 480-181075/3			15:20	X	X	X	X	X	X	X	X	X	X										
IC 480-181075/4			15:22	X	X	X	X	X	X	X	X	X	X										
ICV 480-181075/5	1		15:25	X	X	X	X	X	X	X	X	X	X										
ICB 480-181075/6	1		15:28	X	X	X	X	X	X	X	X	X	X										
ICVL 480-181075/7	1		15:30	X	X	X	X	X	X	X	X	X	X										
CRI 480-181075/8	1		15:33	X	X	X	X	X	X	X	X	X	X										
ICSA 480-181075/9	1		15:36	X	X	X	X	X	X	X	X	X	X										
ICSAB 480-181075/10	1		15:39	X	X	X	X	X	X	X	X	X	X										
CCV 480-181075/11	1		15:42	X	X	X	X	X	X	X	X	X	X										
CCB 480-181075/12	1		15:45	X	X	X	X	X	X	X	X	X	X										
CCVL 480-181075/13	1		15:47	X	X	X	X	X	X	X	X	X	X										
MB 480-180820/1-A	1	T	15:50	X	X	X	X	X	X	X	X	X	X										
CCV 480-181075/15	1		15:53	X	X	X	X	X	X	X	X	X	X										
CCB 480-181075/16	1		15:56	X	X	X	X	X	X	X	X	X	X										
CCVL 480-181075/17	1		15:59	X	X	X	X	X	X	X	X	X	X										
LCS 480-180820/2-A	1	T	16:02	X	X	X	X	X	X	X	X	X	X										
ZZZZZZ			16:04																				
ZZZZZZ			16:07																				
ZZZZZZ			16:10																				
ZZZZZZ			16:12																				
ZZZZZZ			16:15																				
ZZZZZZ			16:18																				
ZZZZZZ			16:20																				
ZZZZZZ			16:23																				
CCV 480-181075/27	1		16:26	X	X	X	X	X	X	X	X	X	X										
CCB 480-181075/28	1		16:29	X	X	X	X	X	X	X	X	X	X										
CCVL 480-181075/29	1		16:32	X	X	X	X	X	X	X	X	X	X										
ZZZZZZ			16:34																				
ZZZZZZ			16:37																				
ZZZZZZ			16:40																				
ZZZZZZ			16:43																				
ZZZZZZ			16:45																				
ZZZZZZ			16:48																				
ZZZZZZ			16:51																				
ZZZZZZ			16:54																				
ZZZZZZ			16:56																				
CCV 480-181075/39	1		16:59	X	X	X	X	X	X	X	X	X	X										
CCB 480-181075/40	1		17:02	X	X	X	X	X	X	X	X	X	X										
CCVL 480-181075/41	1		17:05	X	X	X	X	X	X	X	X	X	X										
ZZZZZZ			17:08																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: ICAP1 Method: 6010C

Start Date: 05/08/2014 15:14 End Date: 05/08/2014 17:38

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Cu	Ni	Pb	Se	Zn										
ZZZZZZ			17:10																				
ZZZZZZ			17:13																				
ZZZZZZ			17:16																				
ZZZZZZ			17:19																				
ZZZZZZ			17:22																				
480-59386-1	1	T	17:24	X	X	X	X	X	X	X	X	X	X										
CCV 480-181075/49	1		17:33	X	X	X	X	X	X	X	X	X	X										
CCB 480-181075/50	1		17:36	X	X	X	X	X	X	X	X	X	X										
CCVL 480-181075/51	1		17:38	X	X	X	X	X	X	X	X	X	X										

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: LEEMAN2 Method: 7470A

Start Date: 05/12/2014 11:19 End Date: 05/12/2014 14:09

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ICV 480-181531/1	1		11:19	X																			
ICB 480-181531/2	1		11:21	X																			
ICVL 480-181531/3	1		11:22	X																			
CCV 480-181531/4			11:24																				
CCB 480-181531/5			11:26																				
ZZZZZZ			11:27																				
ZZZZZZ			11:29																				
ZZZZZZ			11:31																				
ZZZZZZ			11:32																				
ZZZZZZ			11:34																				
ZZZZZZ			11:35																				
ZZZZZZ			11:37																				
ZZZZZZ			11:39																				
ZZZZZZ			11:41																				
ZZZZZZ			11:42																				
CCV 480-181531/16			11:44																				
CCB 480-181531/17			11:45																				
ZZZZZZ			11:47																				
ZZZZZZ			11:49																				
ZZZZZZ			11:50																				
ZZZZZZ			11:52																				
ZZZZZZ			11:53																				
ZZZZZZ			11:55																				
ZZZZZZ			11:57																				
ZZZZZZ			11:59																				
ZZZZZZ			12:00																				
CCV 480-181531/27			12:02																				
CCB 480-181531/28			12:04																				
ZZZZZZ			12:05																				
ZZZZZZ			12:07																				
ZZZZZZ			12:09																				
ZZZZZZ			12:10																				
ZZZZZZ			12:12																				
ZZZZZZ			12:14																				
ZZZZZZ			12:15																				
ZZZZZZ			12:17																				
ZZZZZZ			12:19																				
ZZZZZZ			12:20																				
ZZZZZZ			12:22																				
CCV 480-181531/40			12:24																				
CCB 480-181531/41			12:26																				
ZZZZZZ			12:28																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: LEEMAN2 Method: 7470A

Start Date: 05/12/2014 11:19 End Date: 05/12/2014 14:09

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			12:29																				
ZZZZZZ			12:31																				
ZZZZZZ			12:33																				
ZZZZZZ			12:35																				
ZZZZZZ			12:36																				
ZZZZZZ			12:38																				
ZZZZZZ			12:40																				
ZZZZZZ			12:41																				
ZZZZZZ			12:43																				
CCV 480-181531/52			12:45																				
CCB 480-181531/53			12:47																				
ZZZZZZ			12:48																				
ZZZZZZ			12:50																				
ZZZZZZ			12:52																				
ZZZZZZ			12:54																				
ZZZZZZ			12:55																				
ZZZZZZ			12:57																				
ZZZZZZ			12:59																				
ZZZZZZ			13:00																				
ZZZZZZ			13:02																				
ZZZZZZ			13:04																				
CCV 480-181531/64	1		13:05	X																			
CCB 480-181531/65	1		13:07	X																			
MB 480-181210/1-A	1	T	13:08	X																			
LCS 480-181210/2-A	1	T	13:10	X																			
ZZZZZZ			13:12																				
ZZZZZZ			13:14																				
ZZZZZZ			13:16																				
ZZZZZZ			13:17																				
ZZZZZZ			13:19																				
ZZZZZZ			13:20																				
ZZZZZZ			13:22																				
ZZZZZZ			13:24																				
CCV 480-181531/76	1		13:25	X																			
CCB 480-181531/77	1		13:27	X																			
ZZZZZZ			13:29																				
ZZZZZZ			13:31																				
ZZZZZZ			13:32																				
ZZZZZZ			13:34																				
ZZZZZZ			13:36																				
ZZZZZZ			13:37																				
ZZZZZZ			13:39																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: LEEMAN2 Method: 7470A

Start Date: 05/12/2014 11:19 End Date: 05/12/2014 14:09

Lab Sample ID	D / F	Type	Time	Analytes																				
				Hg																				
ZZZZZZ			13:40																					
ZZZZZZ			13:42																					
ZZZZZZ			13:44																					
CCV 480-181531/88	1		13:46	X																				
CCB 480-181531/89	1		13:47	X																				
ZZZZZZ			13:49																					
ZZZZZZ			13:51																					
ZZZZZZ			13:52																					
ZZZZZZ			13:54																					
ZZZZZZ			13:56																					
ZZZZZZ			14:02																					
480-59386-1	1	T	14:04	X																				
CCV 480-181531/97	1		14:05	X																				
CCB 480-181531/98	1		14:07	X																				
CCVL 480-181531/99	1		14:09	X																				

Prep Types

T = Total/NA

Run File: I1050814B Instrument: ICAP1

Analyst: JRK see slide Data Review: 5/8/14

Spikes IDs: 1730804(W1), 1730739 (W2),1886662(Sn), 1890567(Ag), 1905940(Si), 1320125(TCLP)

Pipette IDs: 4-17-14-(1-7,8,10,13,14)
Internal Standard: 2051991

Seq#	Run File ID	Sample ID	Date / Time	Type
1	I1050814B	ic-2051994	05/08/14 03:14 PM	Standard
2	I1050814B	ic-1999432	05/08/14 03:17 PM	Standard
3	I1050814B	ic-1999330	05/08/14 03:20 PM	Standard
4	I1050814B	ic-1999327	05/08/14 03:22 PM	Standard
5	I1050814B	icv-2039079	05/08/14 03:25 PM	QC
6	I1050814B	icb-2051994	05/08/14 03:28 PM	QC
7	I1050814B	icvl-2051992	05/08/14 03:30 PM	QC
8	I1050814B	cri-1953286	05/08/14 03:33 PM	QC
9	I1050814B	icsa-2039056	05/08/14 03:36 PM	QC
10	I1050814B	icsab-2051989	05/08/14 03:39 PM	QC
11	I1050814B	ccv-2051990	05/08/14 03:42 PM	QC
12	I1050814B	ccb-2039081	05/08/14 03:45 PM	QC
13	I1050814B	CCVL-1953285	05/08/14 03:47 PM	QC
14	I1050814B	mb 480-180820/1-a	05/08/14 03:50 PM	Unknown
15	I1050814B	CCV	05/08/14 03:53 PM	QC
16	I1050814B	CCB	05/08/14 03:56 PM	QC
17	I1050814B	CCVL	05/08/14 03:59 PM	QC
18	I1050814B	lcs 480-180820/2-a	05/08/14 04:02 PM	Unknown
19	I1050814B	480-59324-a-1-a	05/08/14 04:04 PM	Unknown
20	I1050814B	480-59324-a-1-aSD@5	05/08/14 04:07 PM	Unknown
21	I1050814B	480-59324-a-1-a PDS	05/08/14 04:10 PM	Unknown
22	I1050814B	480-59324-a-1-b ms	05/08/14 04:12 PM	Unknown
23	I1050814B	480-59324-a-1-c msd	05/08/14 04:15 PM	Unknown
24	I1050814B	480-59324-a-2-a	05/08/14 04:18 PM	Unknown
25	I1050814B	480-59324-a-3-a	05/08/14 04:20 PM	Unknown
26	I1050814B	480-59324-a-4-a	05/08/14 04:23 PM	Unknown
27	I1050814B	CCV	05/08/14 04:26 PM	QC
28	I1050814B	CCB	05/08/14 04:29 PM	QC
29	I1050814B	CCVL	05/08/14 04:32 PM	QC
30	I1050814B	480-59324-a-5-a	05/08/14 04:34 PM	Unknown
31	I1050814B	480-59324-a-6-a	05/08/14 04:37 PM	Unknown
32	I1050814B	480-59324-a-7-a	05/08/14 04:40 PM	Unknown
33	I1050814B	480-59324-a-8-a	05/08/14 04:43 PM	Unknown
34	I1050814B	480-59324-a-9-a	05/08/14 04:45 PM	Unknown
35	I1050814B	480-59324-a-10-a	05/08/14 04:48 PM	Unknown
36	I1050814B	480-59324-a-11-a	05/08/14 04:51 PM	Unknown
37	I1050814B	480-59326-f-1-a	05/08/14 04:54 PM	Unknown
38	I1050814B	480-59326-f-2-a	05/08/14 04:56 PM	Unknown
39	I1050814B	CCV	05/08/14 04:59 PM	QC

40	I1050814B	CCB	05/08/14 05:02 PM QC
41	I1050814B	CCVL	05/08/14 05:05 PM QC
42	I1050814B	480-59354-e-1-a	05/08/14 05:08 PM Unknown
43	I1050814B	480-59354-e-2-a	05/08/14 05:10 PM Unknown
44	I1050814B	480-59354-e-3-a	05/08/14 05:13 PM Unknown
45	I1050814B	480-59354-e-4-a	05/08/14 05:16 PM Unknown
46	I1050814B	480-59354-e-5-a	05/08/14 05:19 PM Unknown
47	I1050814B	480-59373-a-1-a	05/08/14 05:22 PM Unknown
48	I1050814B	480-59386-j-1-a	05/08/14 05:24 PM Unknown
49	I1050814B	BLANK	05/08/14 05:27 PM Unknown
50	I1050814B	480-59247-b-1-cSD@5	05/08/14 05:30 PM Unknown
51	I1050814B	CCV	05/08/14 05:33 PM QC
52	I1050814B	CCB	05/08/14 05:36 PM QC
53	I1050814B	CCVL	05/08/14 05:38 PM QC
54	I1050814B	lcssrm 480-180018/2-	05/08/14 05:41 PM Unknown
55	I1050814B	lcdsrm 480-180018/3-	05/08/14 05:44 PM Unknown
56	I1050814B	BLANK	05/08/14 05:46 PM Unknown
57	I1050814B	mb 480-179659/30-b	05/08/14 05:49 PM Unknown
58	I1050814B	lcs 480-179659/31-b	05/08/14 05:52 PM Unknown
59	I1050814B	480-59300-g-1-a	05/08/14 05:55 PM Unknown
60	I1050814B	480-59300-g-1-aSD@5	05/08/14 05:58 PM Unknown
61	I1050814B	480-59300-g-1-aPDS	05/08/14 06:00 PM Unknown
62	I1050814B	480-59300-g-1-b ms	05/08/14 06:03 PM Unknown
63	I1050814B	CCV	05/08/14 06:06 PM QC
64	I1050814B	CCB	05/08/14 06:08 PM QC
65	I1050814B	CCVL	05/08/14 06:11 PM QC
66	I1050814B	480-59300-g-1-c msd	05/08/14 06:14 PM Unknown
67	I1050814B	480-59300-g-2-a	05/08/14 06:17 PM Unknown
68	I1050814B	480-59300-g-3-a	05/08/14 06:19 PM Unknown
69	I1050814B	480-59354-f-1-a	05/08/14 06:22 PM Unknown
70	I1050814B	480-59354-f-2-a	05/08/14 06:25 PM Unknown
71	I1050814B	480-59354-f-3-a	05/08/14 06:28 PM Unknown
72	I1050814B	480-59354-f-4-a	05/08/14 06:31 PM Unknown
73	I1050814B	480-59354-f-5-a	05/08/14 06:33 PM Unknown
74	I1050814B	480-59324-b-1	05/08/14 06:36 PM Unknown
75	I1050814B	CCV	05/08/14 06:39 PM QC
76	I1050814B	CCB	05/08/14 06:42 PM QC
77	I1050814B	CCVL	05/08/14 06:45 PM QC
78	I1050814B	480-59324-b-2-a	05/08/14 06:47 PM Unknown
79	I1050814B	480-59324-b-3-a	05/08/14 06:50 PM Unknown
80	I1050814B	480-59324-b-4-a	05/08/14 06:53 PM Unknown
81	I1050814B	480-59324-b-5-a	05/08/14 06:56 PM Unknown
82	I1050814B	480-59324-b-6-a	05/08/14 06:58 PM Unknown
83	I1050814B	480-59324-b-7-a	05/08/14 07:01 PM Unknown
84	I1050814B	480-59324-b-8-a	05/08/14 07:04 PM Unknown
85	I1050814B	480-59324-b-9-a	05/08/14 07:07 PM Unknown
86	I1050814B	480-59324-b-10-a	05/08/14 07:10 PM Unknown
87	I1050814B	CCV	05/08/14 07:12 PM QC
88	I1050814B	CCB	05/08/14 07:15 PM QC
89	I1050814B	CCVL	05/08/14 07:18 PM QC

90	I1050814B	480-59324-b-11-a	05/08/14 07:21 PM Unknown
91	I1050814B	BLANK 1;1	05/08/14 07:23 PM Unknown
92	I1050814B	BLANK	05/08/14 07:26 PM Unknown
93	I1050814B	mb 480-180829/3-b	05/08/14 07:29 PM Unknown
94	I1050814B	lcs 480-180829/4-b	05/08/14 07:32 PM Unknown
95	I1050814B	480-59400-f-1-a	05/08/14 07:35 PM Unknown
96	I1050814B	480-59400-f-1-a SD@5	05/08/14 07:37 PM Unknown
97	I1050814B	480-59400-f-1-a PDS	05/08/14 07:40 PM Unknown
98	I1050814B	480-59400-f-1-b ms	05/08/14 07:43 PM Unknown
99	I1050814B	CCV	05/08/14 07:46 PM QC
100	I1050814B	CCB	05/08/14 07:48 PM QC
101	I1050814B	CCVL	05/08/14 07:51 PM QC
102	I1050814B	480-59400-f-1-c msd	05/08/14 07:54 PM Unknown
103	I1050814B	480-59400-f-2-a	05/08/14 07:57 PM Unknown
104	I1050814B	480-59400-f-3-a	05/08/14 07:59 PM Unknown
105	I1050814B	480-59400-f-4-a	05/08/14 08:02 PM Unknown
106	I1050814B	480-59400-f-5-a	05/08/14 08:05 PM Unknown
107	I1050814B	480-59400-f-6-a	05/08/14 08:08 PM Unknown
108	I1050814B	480-59400-f-7-a	05/08/14 08:10 PM Unknown
109	I1050814B	480-59400-f-8-a	05/08/14 08:13 PM Unknown
110	I1050814B	480-59400-f-9-a	05/08/14 08:16 PM Unknown
111	I1050814B	CCV	05/08/14 08:19 PM QC
112	I1050814B	CCB	05/08/14 08:21 PM QC
113	I1050814B	CCVL	05/08/14 08:24 PM QC
114	I1050814B	480-59400-f-10-a	05/08/14 08:27 PM Unknown
115	I1050814B	480-59400-f-11-a	05/08/14 08:30 PM Unknown
116	I1050814B	480-59400-f-12-a	05/08/14 08:33 PM Unknown
117	I1050814B	480-59400-f-13-a	05/08/14 08:35 PM Unknown
118	I1050814B	480-59400-f-14-a	05/08/14 08:38 PM Unknown
119	I1050814B	480-59400-f-15-a	05/08/14 08:41 PM Unknown
120	I1050814B	480-59400-f-16-a	05/08/14 08:44 PM Unknown
121	I1050814B	480-59400-f-17-a	05/08/14 08:46 PM Unknown
122	I1050814B	480-59400-f-18-a	05/08/14 08:49 PM Unknown
123	I1050814B	CCV	05/08/14 08:52 PM QC
124	I1050814B	CCB	05/08/14 08:55 PM QC
125	I1050814B	CCVL	05/08/14 08:58 PM QC
126	I1050814B	480-59400-f-19-a	05/08/14 09:00 PM Unknown
127	I1050814B	480-59400-f-20-a	05/08/14 09:03 PM Unknown
128	I1050814B	mb 480-180707/1-a	05/08/14 09:06 PM Unknown
129	I1050814B	lcs 480-180707/2-a	05/08/14 09:09 PM Unknown
130	I1050814B	480-59337-b-1-a	05/08/14 09:11 PM Unknown
131	I1050814B	480-59337-b-2-a	05/08/14 09:14 PM Unknown
132	I1050814B	480-59337-b-2-aSD@5	05/08/14 09:17 PM Unknown
133	I1050814B	480-59337-b-2-a PDS	05/08/14 09:20 PM Unknown
134	I1050814B	480-59337-b-2-b ms	05/08/14 09:23 PM Unknown
135	I1050814B	CCV	05/08/14 09:26 PM QC
136	I1050814B	CCB	05/08/14 09:28 PM QC
137	I1050814B	CCVL	05/08/14 09:31 PM QC
138	I1050814B	480-59337-b-2-c msd	05/08/14 09:34 PM Unknown
139	I1050814B	480-59337-b-3-a	05/08/14 09:37 PM Unknown

140	I1050814B	480-59346-j-3-a	05/08/14 09:40 PM Unknown
141	I1050814B	480-59351-d-1-a	05/08/14 09:43 PM Unknown
142	I1050814B	480-59351-d-2-a	05/08/14 09:45 PM Unknown
143	I1050814B	480-59351-d-3-a	05/08/14 09:48 PM Unknown
144	I1050814B	480-59351-d-4-a	05/08/14 09:51 PM Unknown
145	I1050814B	480-59351-d-5-a	05/08/14 09:54 PM Unknown
146	I1050814B	480-59351-d-6-a	05/08/14 09:56 PM Unknown
147	I1050814B	CCV	05/08/14 09:59 PM QC
148	I1050814B	CCB	05/08/14 10:02 PM QC
149	I1050814B	CCVL	05/08/14 10:05 PM QC
150	I1050814B	480-59351-d-7-a	05/08/14 10:08 PM Unknown
151	I1050814B	480-59351-d-8-a	05/08/14 10:10 PM Unknown
152	I1050814B	480-59351-d-9-a	05/08/14 10:13 PM Unknown
153	I1050814B	480-59351-d-10-a	05/08/14 10:16 PM Unknown
154	I1050814B	480-59351-d-11-a	05/08/14 10:19 PM Unknown
155	I1050814B	480-59365-e-1-a	05/08/14 10:22 PM Unknown
156	I1050814B	480-59358-c-1-a	05/08/14 10:24 PM Unknown
157	I1050814B	480-59358-c-2-a	05/08/14 10:27 PM Unknown
158	I1050814B	480-59358-c-3-a	05/08/14 10:30 PM Unknown
159	I1050814B	CCV	05/08/14 10:33 PM QC
160	I1050814B	CCB	05/08/14 10:35 PM QC
161	I1050814B	CCVL	05/08/14 10:38 PM QC
162	I1050814B	480-59358-c-4-a	05/08/14 10:41 PM Unknown
163	I1050814B	mb 480-180829/1-b	05/08/14 10:44 PM Unknown
164	I1050814B	lcs 480-180829/2-b	05/08/14 10:47 PM Unknown
165	I1050814B	480-59353-b-2-a	05/08/14 10:49 PM Unknown
166	I1050814B	480-59353-b-2-aSD@5	05/08/14 10:52 PM Unknown
167	I1050814B	480-59353-b-2-aPDS	05/08/14 10:55 PM Unknown
168	I1050814B	480-59353-b-2-b ms	05/08/14 10:58 PM Unknown
169	I1050814B	480-59353-b-2-c msd	05/08/14 11:00 PM Unknown
170	I1050814B	480-59353-b-3-a	05/08/14 11:03 PM Unknown
171	I1050814B	CCV	05/08/14 11:06 PM QC
172	I1050814B	CCB	05/08/14 11:08 PM QC
173	I1050814B	CCVL	05/08/14 11:11 PM QC
174	I1050814B	480-59353-b-4-a	05/08/14 11:14 PM Unknown
175	I1050814B	480-59353-b-5-a	05/08/14 11:17 PM Unknown
176	I1050814B	480-59358-d-1-a	05/08/14 11:20 PM Unknown
177	I1050814B	480-59358-d-2-a	05/08/14 11:22 PM Unknown
178	I1050814B	480-59358-d-3-a	05/08/14 11:25 PM Unknown
179	I1050814B	480-59358-d-4-a	05/08/14 11:28 PM Unknown
180	I1050814B	480-59356-e-1-a	05/08/14 11:31 PM Unknown
181	I1050814B	480-59356-e-2-a	05/08/14 11:34 PM Unknown
182	I1050814B	480-59356-e-3-a	05/08/14 11:37 PM Unknown
183	I1050814B	CCV	05/08/14 11:39 PM QC
184	I1050814B	CCB	05/08/14 11:42 PM QC
185	I1050814B	CCVL	05/08/14 11:45 PM QC
186	I1050814B	480-59356-e-4-a	05/08/14 11:48 PM Unknown
187	I1050814B	480-59356-e-5-a	05/08/14 11:51 PM Unknown
188	I1050814B	480-59356-e-6-a	05/08/14 11:53 PM Unknown
189	I1050814B	480-59356-e-7-a	05/08/14 11:56 PM Unknown

190	I1050814B	480-59356-e-8-a	05/08/14 11:59 PM Unknown
191	I1050814B	mb 480-180913/1-a	05/09/14 12:02 AM Unknown
192	I1050814B	lcssrm 480-180913/2-	05/09/14 12:05 AM Unknown
193	I1050814B	lcdsrm 480-180913/3-	05/09/14 12:07 AM Unknown
194	I1050814B	480-59350-b-1-a	05/09/14 12:10 AM Unknown
195	I1050814B	CCV	05/09/14 12:13 AM QC
196	I1050814B	CCB	05/09/14 12:16 AM QC
197	I1050814B	CCVL	05/09/14 12:18 AM QC
198	I1050814B	480-59350-b-2-a	05/09/14 12:21 AM Unknown
199	I1050814B	480-59350-b-3-a	05/09/14 12:24 AM Unknown
200	I1050814B	480-59357-f-1-a	05/09/14 12:27 AM Unknown
201	I1050814B	480-59357-f-2-a	05/09/14 12:30 AM Unknown
202	I1050814B	480-59357-g-3-a	05/09/14 12:32 AM Unknown
203	I1050814B	480-59357-d-4-a	05/09/14 12:35 AM Unknown
204	I1050814B	480-59357-f-5-a	05/09/14 12:38 AM Unknown
205	I1050814B	480-59414-e-1-a	05/09/14 12:41 AM Unknown
206	I1050814B	480-59414-e-1-aSD@5	05/09/14 12:44 AM Unknown
207	I1050814B	CCV	05/09/14 12:46 AM QC
208	I1050814B	CCB	05/09/14 12:49 AM QC
209	I1050814B	CCVL	05/09/14 12:52 AM QC
210	I1050814B	480-59414-e-1-aPDS	05/09/14 12:55 AM Unknown
211	I1050814B	480-59414-e-1-b ms	05/09/14 12:58 AM Unknown
212	I1050814B	480-59414-e-1-c msd	05/09/14 01:00 AM Unknown
213	I1050814B	480-59440-a-2-b	05/09/14 01:03 AM Unknown
214	I1050814B	480-59441-a-1-b	05/09/14 01:06 AM Unknown
215	I1050814B	BLANK	05/09/14 01:09 AM Unknown
216	I1050814B	BLANK	05/09/14 01:11 AM Unknown
217	I1050814B	BLANK	05/09/14 01:14 AM Unknown
218	I1050814B	BLANK	05/09/14 01:17 AM Unknown
219	I1050814B	CCV	05/09/14 01:20 AM QC
220	I1050814B	CCB	05/09/14 01:23 AM QC
221	I1050814B	CCVL	05/09/14 01:25 AM QC
222	I1050814B	mb 480-180822/1-a	05/09/14 01:28 AM Unknown
223	I1050814B	lcs 480-180822/2-a	05/09/14 01:31 AM Unknown
224	I1050814B	490-52278-g-1-a	05/09/14 01:34 AM Unknown
225	I1050814B	490-52278-g-1-aSD@5	05/09/14 01:37 AM Unknown
226	I1050814B	490-52278-g-1-aPDS	05/09/14 01:39 AM Unknown
227	I1050814B	490-52278-g-1-b ms	05/09/14 01:42 AM Unknown
228	I1050814B	490-52278-g-1-c msd	05/09/14 01:45 AM Unknown
229	I1050814B	490-52278-a-3-a	05/09/14 01:47 AM Unknown
230	I1050814B	480-59399-b-1-a	05/09/14 01:50 AM Unknown
231	I1050814B	CCV	05/09/14 01:53 AM QC
232	I1050814B	CCB	05/09/14 01:56 AM QC
233	I1050814B	BLANK	05/09/14 01:59 AM QC
234	I1050814B	480-59399-b-3-a	05/09/14 02:01 AM Unknown
235	I1050814B	480-59399-a-5-a	05/09/14 02:04 AM Unknown
236	I1050814B	480-59406-h-3-a	05/09/14 02:07 AM Unknown
237	I1050814B	480-59406-i-4-a	05/09/14 02:10 AM Unknown
238	I1050814B	480-59387-g-4-a	05/09/14 02:13 AM Unknown
239	I1050814B	480-59392-a-1-a	05/09/14 02:15 AM Unknown

240	I1050814B	480-59393-k-1-a	05/09/14 02:18 AM Unknown
241	I1050814B	480-59397-e-1-a	05/09/14 02:21 AM Unknown
242	I1050814B	480-59397-e-1-b ms	05/09/14 02:24 AM Unknown
243	I1050814B	CCV	05/09/14 02:27 AM QC
244	I1050814B	CCB	05/09/14 02:29 AM QC
245	I1050814B	BLA NK	05/09/14 02:32 AM QC
246	I1050814B	480-59397-e-1-c msd	05/09/14 02:35 AM Unknown
247	I1050814B	480-59392-a-2-a	05/09/14 02:38 AM Unknown
248	I1050814B	480-59385-d-1-a	05/09/14 02:41 AM Unknown
249	I1050814B	480-59385-d-2-a	05/09/14 02:44 AM Unknown
250	I1050814B	480-59385-d-3-a	05/09/14 02:46 AM Unknown
251	I1050814B	BLANK	05/09/14 02:49 AM Unknown
252	I1050814B	BLANK	05/09/14 02:52 AM Unknown
253	I1050814B	BLANK	05/09/14 02:55 AM Unknown
254	I1050814B	BLANK	05/09/14 02:58 AM Unknown
255	I1050814B	CCV	05/09/14 03:01 AM QC
256	I1050814B	CCB	05/09/14 03:03 AM QC
257	I1050814B	CCVL	05/09/14 03:06 AM QC
258	I1050814B	CCV	05/09/14 03:09 AM QC
259	I1050814B	CCB	05/09/14 03:12 AM QC

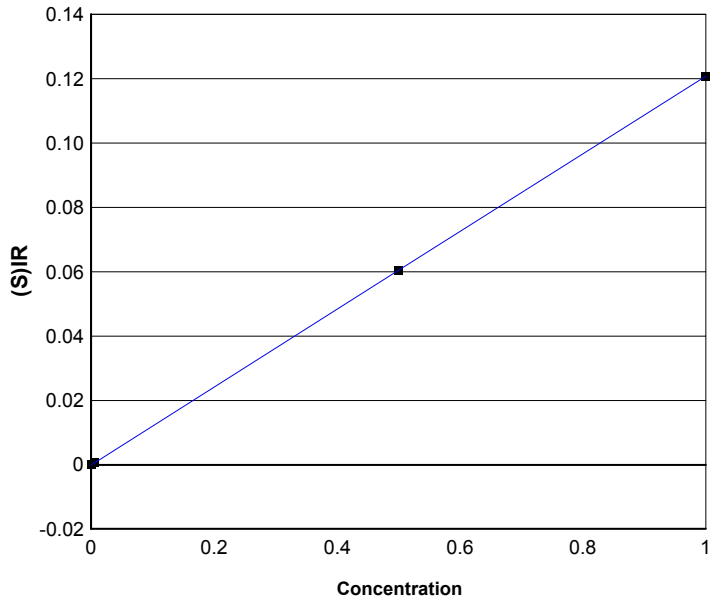
I1050814B

Author: JRK/SS

Published: 5/9/2014 7:26:20AM

Instrument Name: iCAP1 Serial Number: 20094603

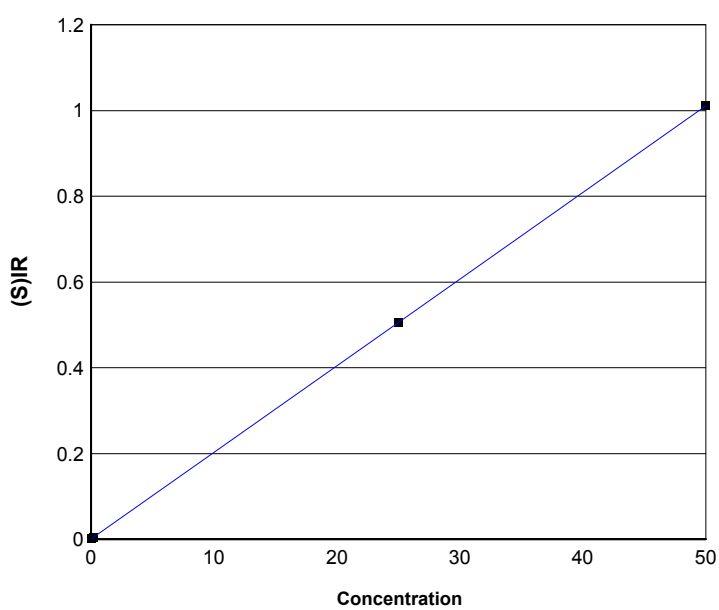
Method Name: ICAP 1 MARCH 2014 (15)



Element Name:	Ag
Element Wavelength:	Ag 328.068 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.00010832
A1 (Gain):	0.12099
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

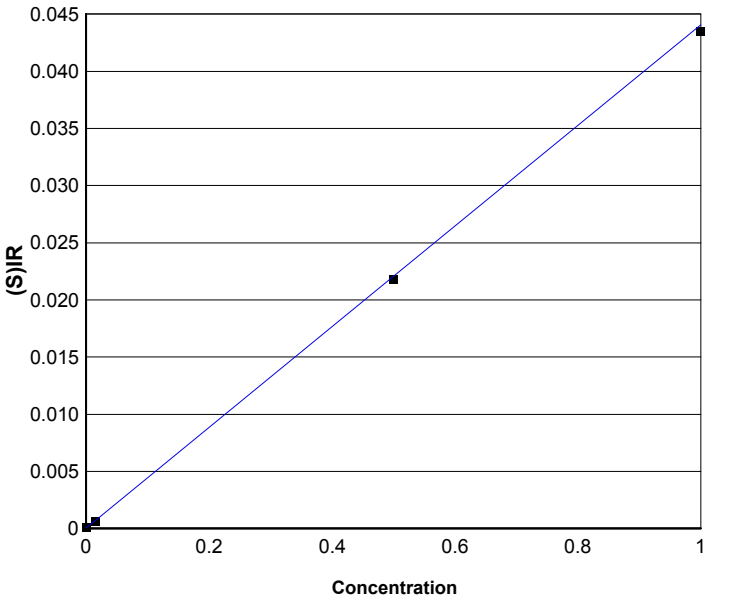
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000453	-0.0000000453	0.00000	-0.00010832	0.0000084211	1
IC4	1.0000	0.99918	-0.00081875	-0.081875	0.12074	0.00083145	1
IC2	0.0060000	0.0060409	0.000040880	0.68133	0.00062260	0.0000096676	1
IC3	0.50000	0.50078	0.00077786	0.15557	0.060457	0.00012179	1



Element Name:	Al
Element Wavelength:	Al 308.215 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.0013768
A1 (Gain):	0.020196
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

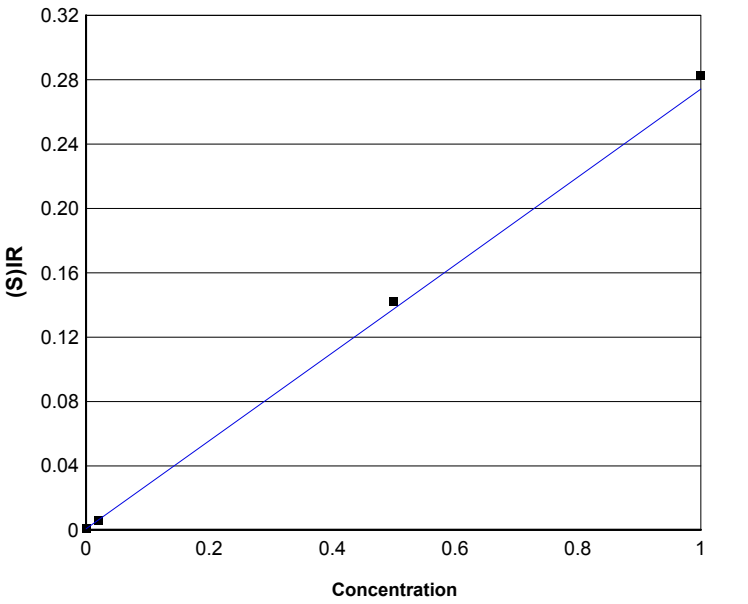
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000063356	0.0000063356	0.00000	0.0013770	0.00032238	1
IC4	50.000	50.048	0.047864	0.095729	1.0122	0.00098050	1
IC2	0.20000	0.19381	-0.0061937	-3.0969	0.0052910	0.00013445	1
IC3	25.000	24.958	-0.041671	-0.16668	0.50544	0.0026896	1



Element Name:	As
Element Wavelength:	As 189.042 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.000055731
A1 (Gain):	0.043995
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

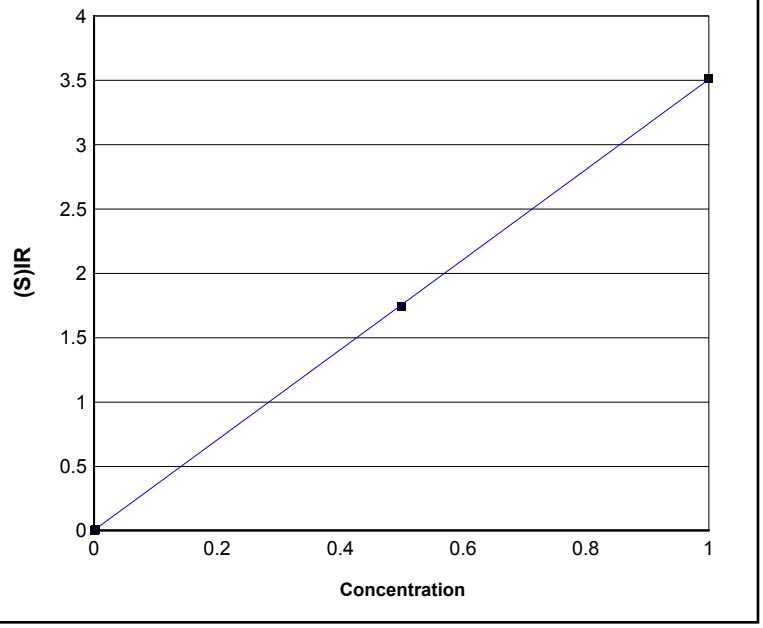
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000008988	0.0000008988	0.00000	0.000055770	0.000012179	1
IC4	1.0000	1.0001	0.000098044	0.0098044	0.043520	0.0000066060	1
IC2	0.015000	0.014075	-0.00092538	-6.1692	0.00067280	0.00011327	1
IC3	0.50000	0.50084	0.00083569	0.16714	0.021823	0.000051202	1



Element Name:	B
Element Wavelength:	B 208.959 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.00069303
A1 (Gain):	0.27348
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

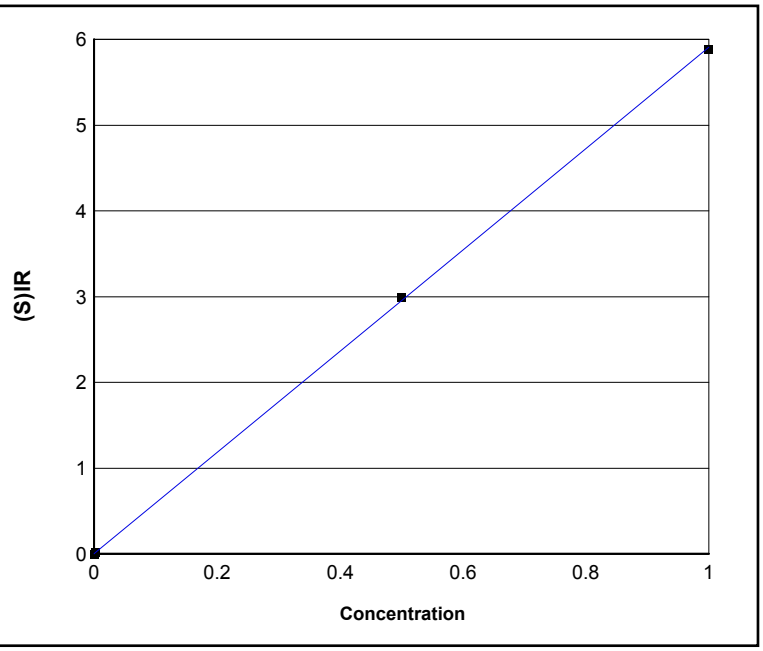
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000007040	0.0000007040	0.00000	0.00069322	0.000013815	1
IC4	1.0000	0.99887	-0.0011254	-0.11254	0.28277	0.00058875	1
IC2	0.020000	0.019244	-0.00075627	-3.7813	0.0060448	0.000042535	1
IC3	0.50000	0.50187	0.0018697	0.37394	0.14240	0.00057241	1



Element Name:	Ba
Element Wavelength:	Ba 455.403 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.00036661
A1 (Gain):	3.5072
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

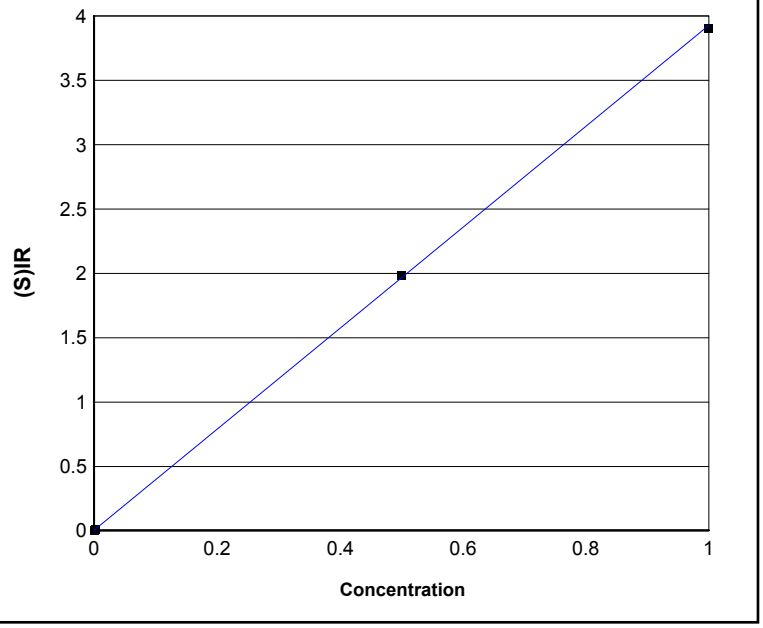
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000001421	-0.0000001421	0.00000	0.00036612	0.000091421	1
IC4	1.0000	1.0022	0.0022257	0.22257	3.5153	0.0021063	1
IC2	0.0020000	0.0021471	0.00014709	7.3545	0.0078968	0.00065400	1
IC3	0.50000	0.49763	-0.0023728	-0.47457	1.7456	0.0037105	1



Element Name:	Ba
Element Wavelength:	Ba 455.403 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.00065083
A1 (Gain):	5.9102
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

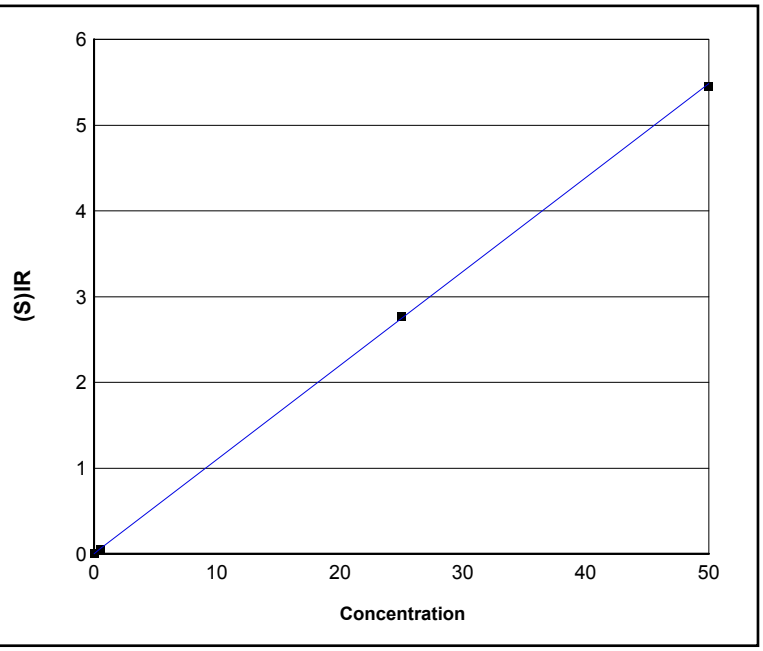
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000882	-0.0000000882	0.00000	0.00065031	0.000031453	1
IC4	1.0000	0.99446	-0.0055413	-0.55413	5.8788	0.020795	1
IC2	0.0020000	0.0020774	0.000077402	3.8701	0.012935	0.000099270	1
IC3	0.50000	0.50546	0.0054639	1.0928	2.9884	0.0038157	1



Element Name:	Be
Element Wavelength:	Be 313.042 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.00054770
A1 (Gain):	3.9274
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

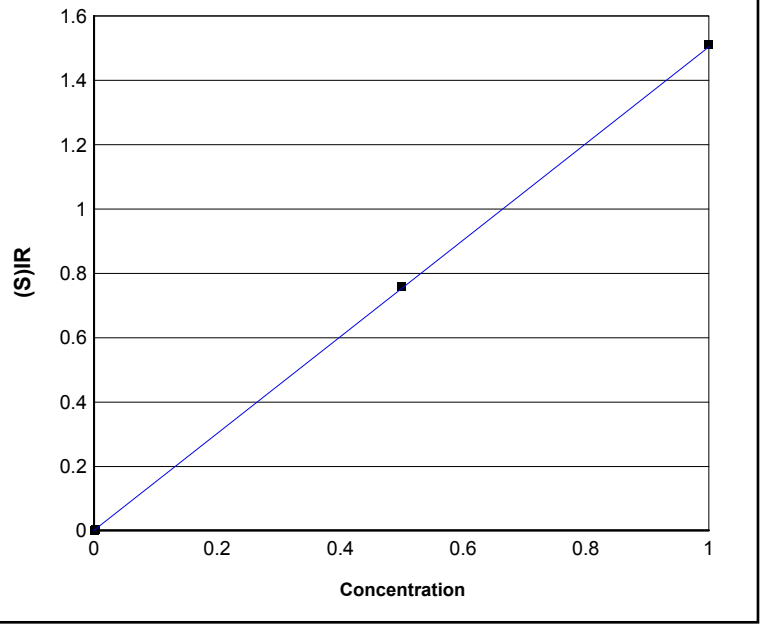
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000310	0.0000000310	0.00000	0.00054782	0.000049634	1
IC4	1.0000	0.99454	-0.0054597	-0.54597	3.9052	0.0066812	1
IC2	0.0020000	0.0019579	-0.000042100	-2.1050	0.0082304	0.00023237	1
IC3	0.50000	0.50550	0.0055017	1.1003	1.9852	0.0057613	1



Element Name:	Ca
Element Wavelength:	Ca 317.933 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.0043561
A1 (Gain):	0.10962
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

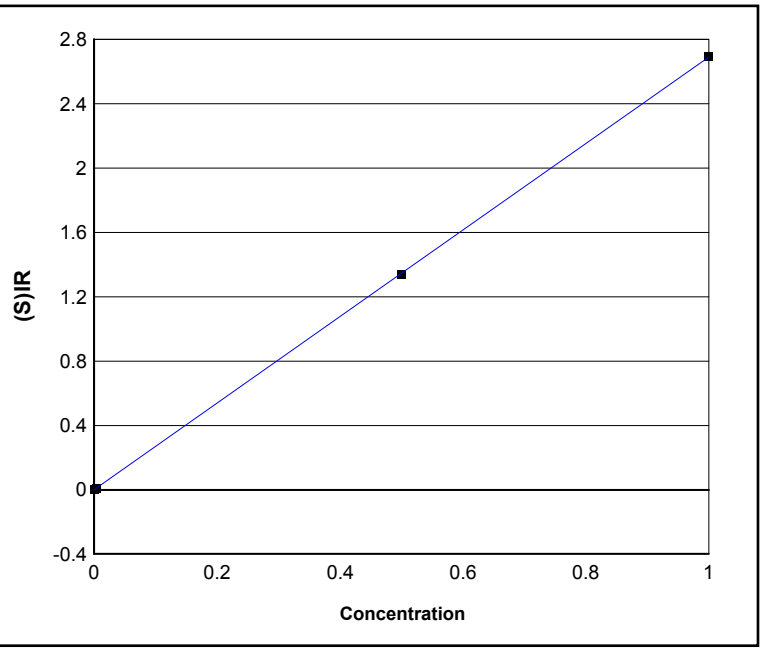
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000012949	0.000012949	0.00000	0.0043575	0.000065328	1
IC4	50.000	49.763	-0.23743	-0.47485	5.4595	0.029821	1
IC2	0.50000	0.48436	-0.015636	-3.1273	0.057454	0.00023301	1
IC3	25.000	25.253	0.25306	1.0123	2.7727	0.016768	1



Element Name:	Cd
Element Wavelength:	Cd 228.802 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.0010575
A1 (Gain):	1.5038
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

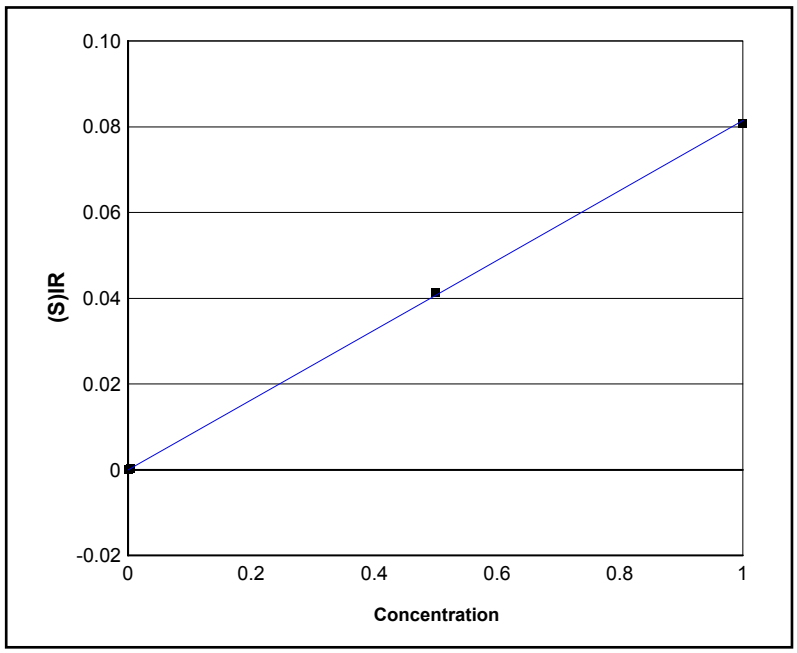
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000509	0.0000000509	0.00000	0.0010576	0.00014901	1
IC4	1.0000	0.99936	-0.00064069	-0.064069	1.5112	0.000089185	1
IC2	0.0020000	0.0019476	-0.000052378	-2.6189	0.0040958	0.000057381	1
IC3	0.50000	0.50069	0.00069471	0.13894	0.75766	0.00074500	1



Element Name:	Co
Element Wavelength:	Co 228.616 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.0010559
A1 (Gain):	2.6921
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

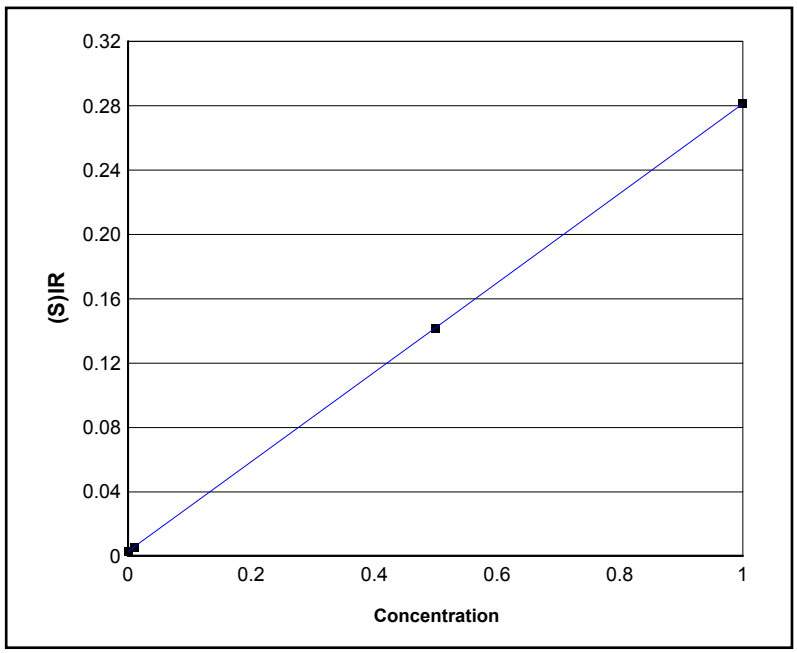
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000224	-0.0000000224	0.00000	-0.0010560	0.00012295	1
IC4	1.0000	1.0029	0.0028755	0.28755	2.6978	0.00020555	1
IC2	0.0040000	0.0040342	0.000034220	0.85550	0.0097729	0.00012853	1
IC3	0.50000	0.49709	-0.0029096	-0.58192	1.3366	0.00086965	1



Element Name:	Cr
Element Wavelength:	Cr 267.716 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99994
A0 (Offset):	-0.000010822
A1 (Gain):	0.081459
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

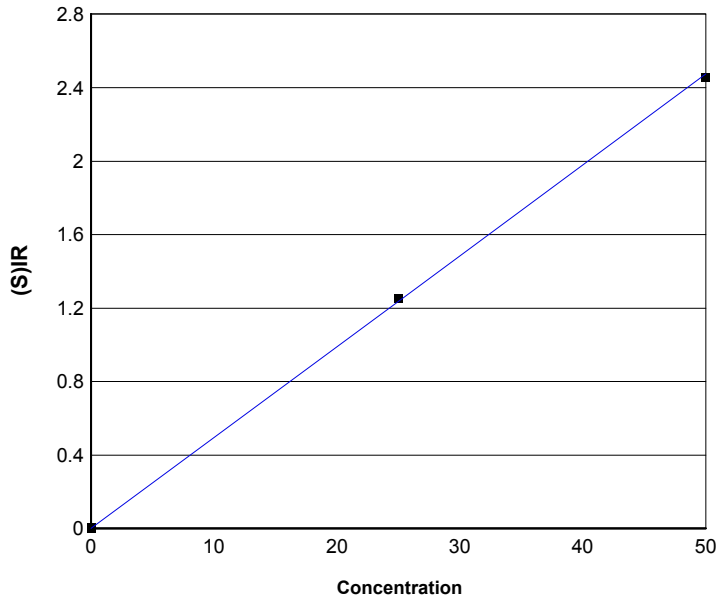
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000984	-0.0000000984	0.00000	-0.000010830	0.000053213	1
IC4	1.0000	0.99239	-0.0076112	-0.76112	0.080793	0.00036173	1
IC2	0.0040000	0.0040685	0.000068460	1.7115	0.00032059	0.000027816	1
IC3	0.50000	0.50754	0.0075427	1.5085	0.041315	0.000087471	1



Element Name:	Cu
Element Wavelength:	Cu 324.754 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.0027164
A1 (Gain):	0.27846
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

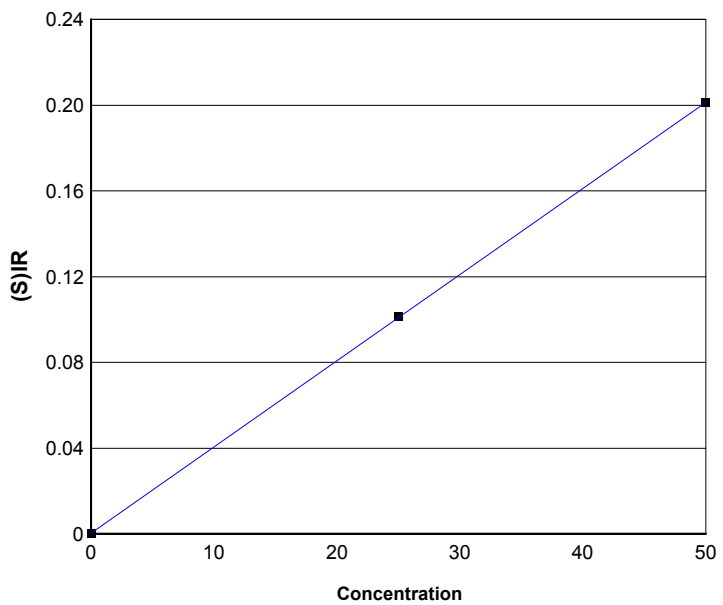
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000006056	0.0000006056	0.00000	0.0027165	0.0000052951	1
IC4	1.0000	1.0016	0.0016143	0.16143	0.28144	0.0015458	1
IC2	0.010000	0.0093985	-0.00060153	-6.0153	0.0053325	0.000075326	1
IC3	0.50000	0.49899	-0.0010126	-0.20252	0.14157	0.00020358	1



Element Name:	Fe
Element Wavelength:	Fe 259.940 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99995
A0 (Offset):	0.00031414
A1 (Gain):	0.049476
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

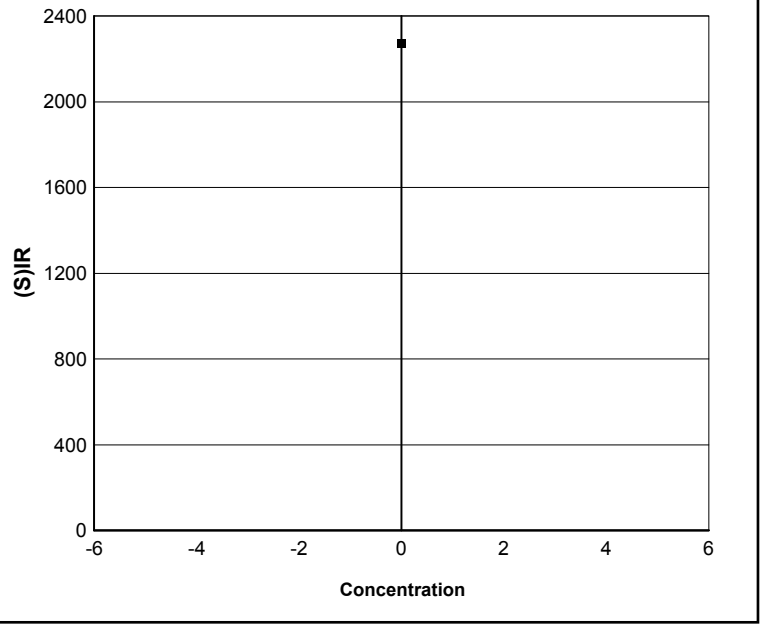
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000035387	-0.0000035387	0.00000	0.00031396	0.000089597	1
IC4	50.000	49.665	-0.33474	-0.66949	2.4575	0.0011162	1
IC2	0.050000	0.053210	0.0032104	6.4207	0.0029467	0.00030759	1
IC3	25.000	25.332	0.33153	1.3261	1.2536	0.0019133	1



Element Name:	Fe
Element Wavelength:	Fe 271.441 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99813
A0 (Offset):	0.00042634
A1 (Gain):	0.0040184
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

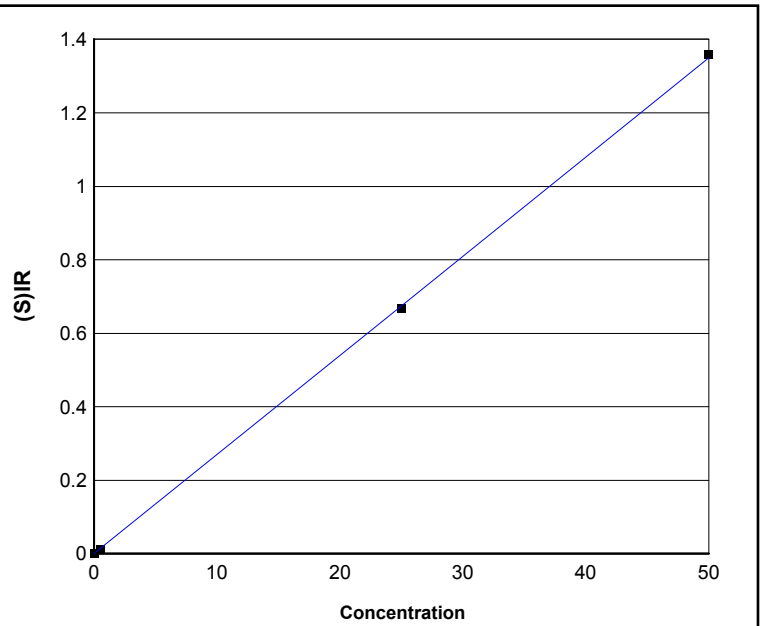
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00011809	0.00011809	0.00000	0.00042681	0.00027393	1
IC4	50.000	49.971	-0.029149	-0.058298	0.20123	0.0012225	1
IC2	0.050000	-0.068358	-0.11836	-236.72	0.00015165	0.000068909	1
IC3	25.000	25.148	0.14751	0.59003	0.10148	0.00091831	1



Element Name:	In
Element Wavelength:	In 230.606 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:17:16PM
Date of Fit:	5/8/2014 3:17:16PM
Type of Fit:	Linear
Correlation:	0.0000
A0 (Offset):	0.0000
A1 (Gain):	0.0000
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

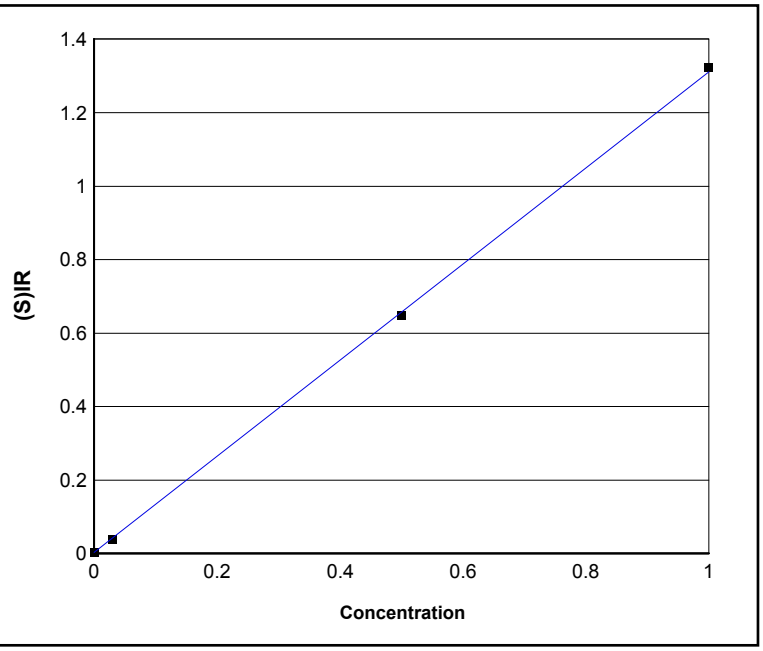
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.0000			0.0000	2,272	1.085	1



Element Name:	K
Element Wavelength:	K 766.490 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99993
A0 (Offset):	0.00042188
A1 (Gain):	0.026983
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

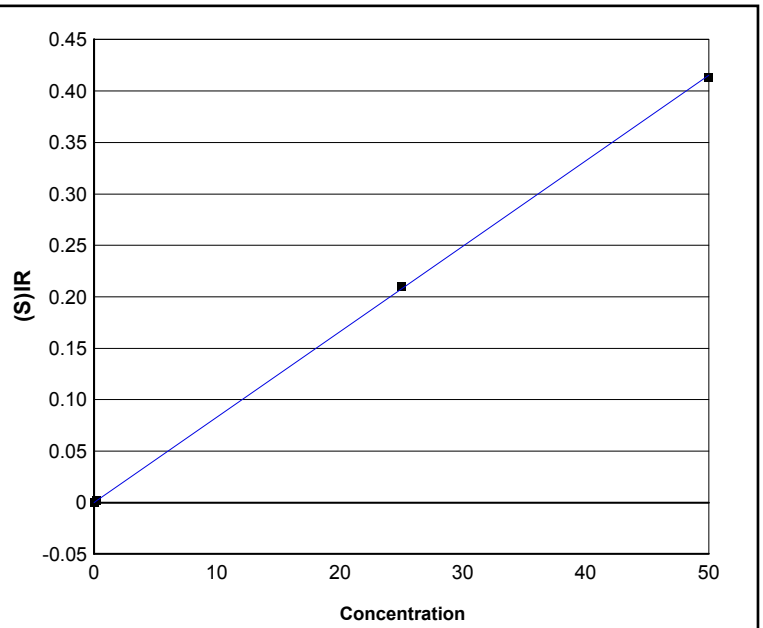
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000048739	0.000048739	0.00000	0.00042319	0.00041812	1
IC4	50.000	50.357	0.35659	0.71318	1.3592	0.0013582	1
IC2	0.50000	0.45390	-0.046095	-9.2190	0.012670	0.000046668	1
IC3	25.000	24.690	-0.31049	-1.2420	0.66662	0.0027364	1



Element Name:	Li
Element Wavelength:	Li 670.784 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99989
A0 (Offset):	0.0031129
A1 (Gain):	1.3073
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

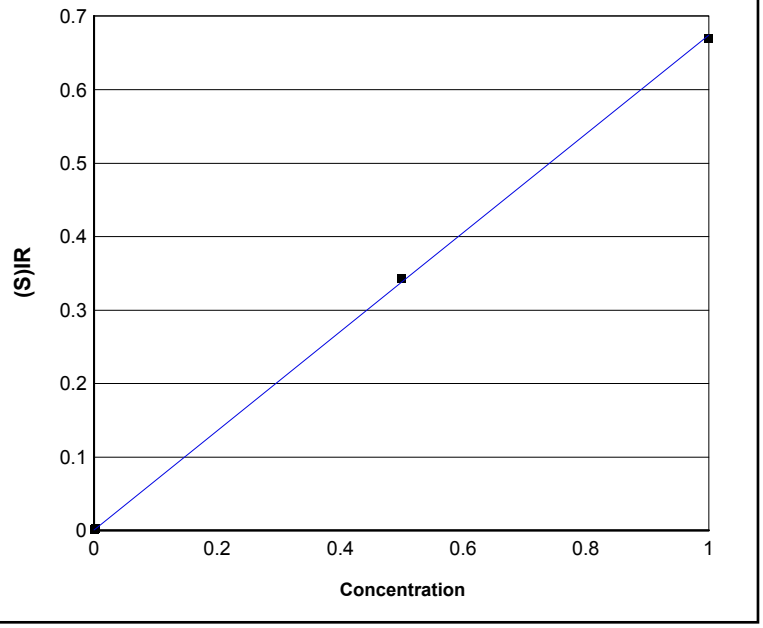
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000024176	0.0000024176	0.00000	0.0031161	0.00056249	1
IC2	0.030000	0.027702	-0.0022977	-7.6589	0.039329	0.00071821	1
IC3	0.50000	0.49371	-0.0062938	-1.2588	0.64855	0.0037391	1
IC4	1.0000	1.0086	0.0085915	0.85915	1.3217	0.0027761	1



Element Name:	Mg
Element Wavelength:	Mg 279.079 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99996
A0 (Offset):	-0.000042846
A1 (Gain):	0.0083079
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

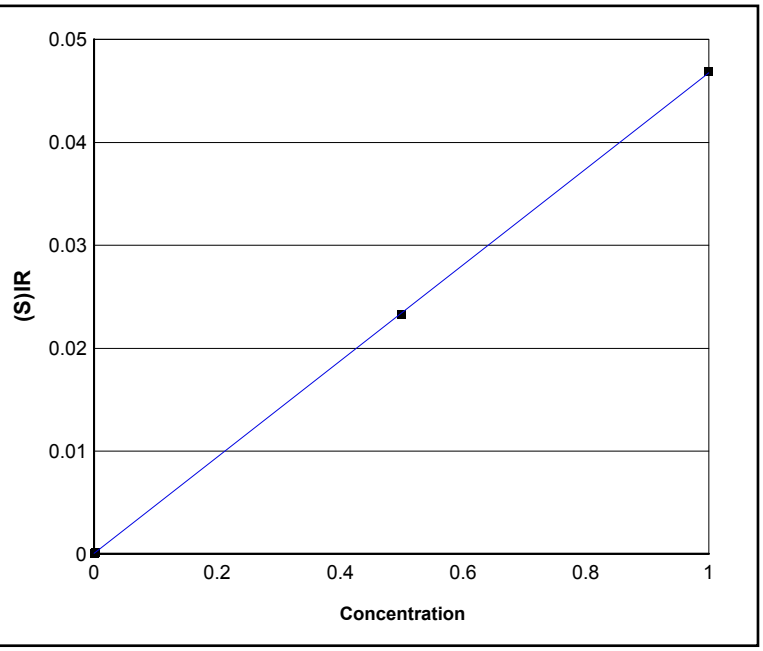
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000025338	0.0000025338	0.00000	-0.000042825	0.000026299	1
IC4	50.000	49.703	-0.29730	-0.59460	0.41283	0.0016293	1
IC2	0.20000	0.19625	-0.0037531	-1.8765	0.0015874	0.0000029638	1
IC3	25.000	25.301	0.30106	1.2042	0.21013	0.00049332	1



Element Name:	Mn
Element Wavelength:	Mn 257.610 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99993
A0 (Offset):	0.00073943
A1 (Gain):	0.67372
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

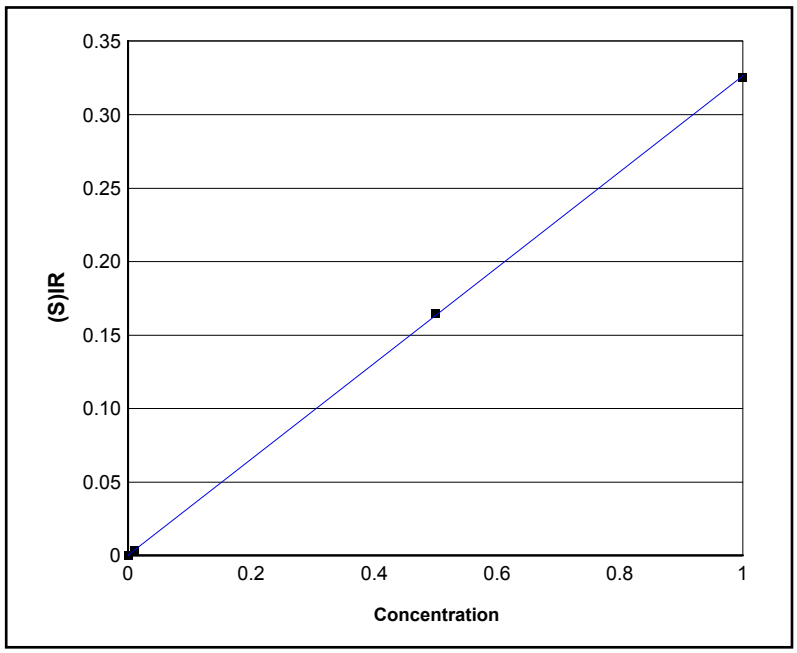
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000789	0.0000000789	0.00000	0.00073948	0.000019565	1
IC4	1.0000	0.99206	-0.0079434	-0.79434	0.66911	0.0025884	1
IC2	0.0030000	0.0028966	-0.00010338	-3.4459	0.0026910	0.000020426	1
IC3	0.50000	0.50805	0.0080468	1.6094	0.34302	0.00062660	1



Element Name:	Mn
Element Wavelength:	Mn 257.610 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.000061042
A1 (Gain):	0.046689
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

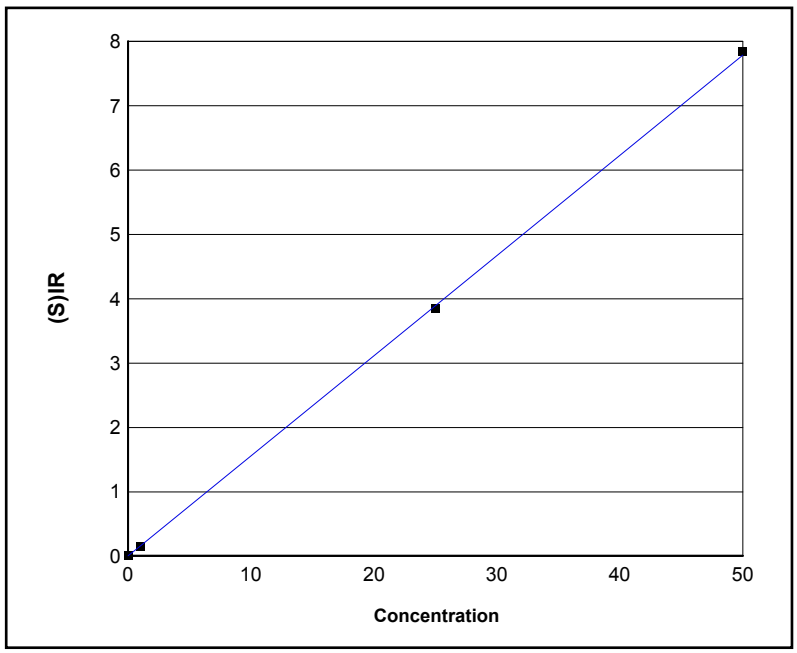
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000001366	0.0000001366	0.00000	0.000061048	0.0000064153	1
IC4	1.0000	1.0033	0.0033189	0.33189	0.046905	0.00016935	1
IC2	0.0030000	0.0028726	-0.00012736	-4.2455	0.00019516	0.000024011	1
IC3	0.50000	0.49681	-0.0031915	-0.63831	0.023257	0.000059891	1



Element Name:	Mo
Element Wavelength:	Mo 202.030 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.000093633
A1 (Gain):	0.32643
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

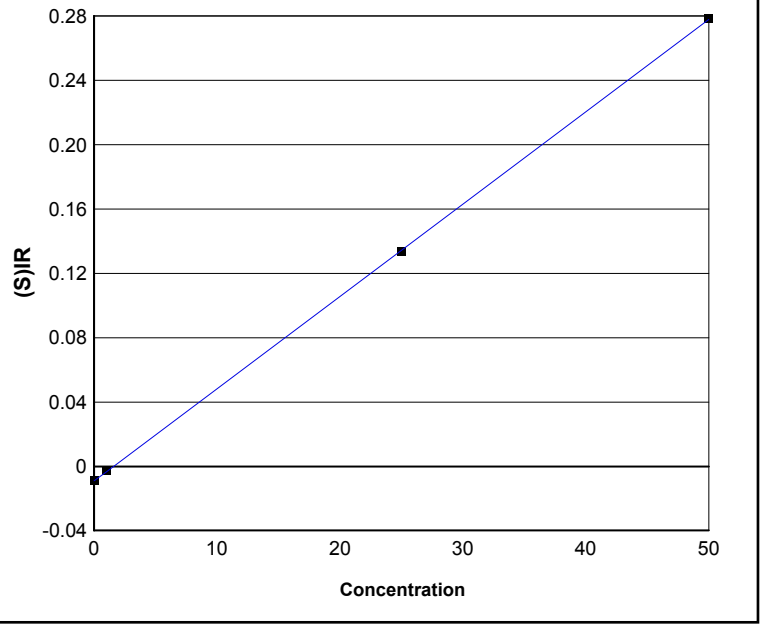
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000001665	-0.0000001665	0.00000	0.000093579	0.000028630	1
IC4	1.0000	0.99627	-0.0037338	-0.37338	0.32530	0.00021374	1
IC2	0.010000	0.010132	0.00013184	1.3184	0.0034009	0.000017999	1
IC3	0.50000	0.50360	0.0036019	0.72039	0.16448	0.00010165	1



Element Name:	Na
Element Wavelength:	Na 589.592 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99993
A0 (Offset):	0.0016682
A1 (Gain):	0.15572
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

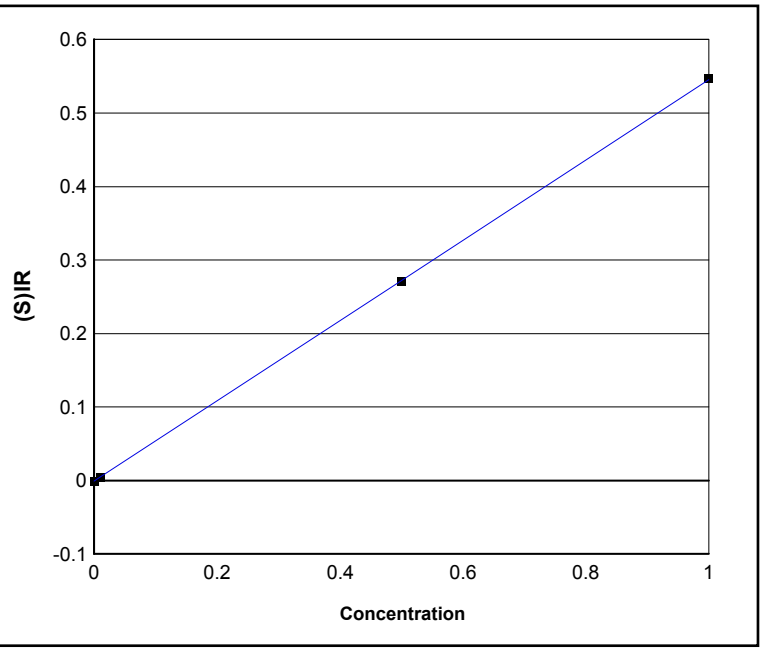
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000070311	0.000070311	0.00000	0.0016792	0.00065429	1
IC4	50.000	50.387	0.38693	0.77385	7.8481	0.0048703	1
IC2	1.0000	0.93482	-0.065180	-6.5180	0.14724	0.00071560	1
IC3	25.000	24.678	-0.32175	-1.2870	3.8447	0.015586	1



Element Name:	Na
Element Wavelength:	Na 818.326 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99996
A0 (Offset):	-0.0090892
A1 (Gain):	0.0057427
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

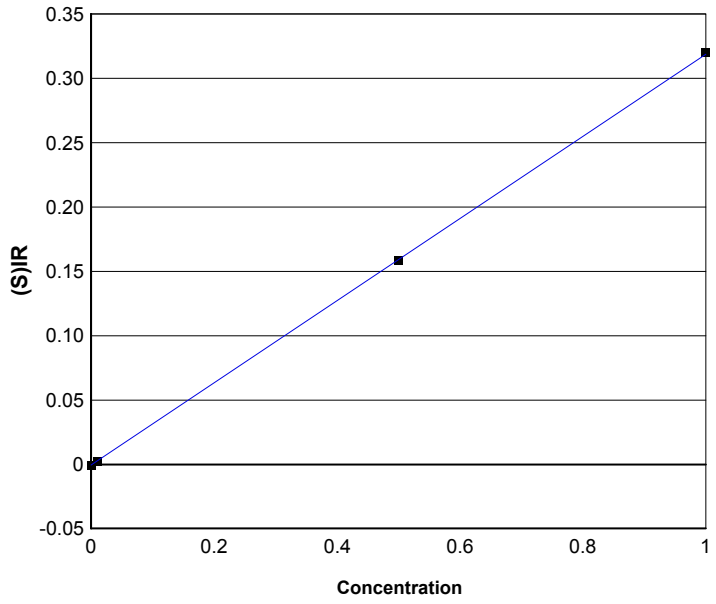
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	-0.000071276	-0.000071276	0.00000	-0.0090896	0.00090674	1
IC4	50.000	50.041	0.041252	0.082504	0.27828	0.00037938	1
IC2	1.0000	1.0751	0.075105	7.5105	-0.0029152	0.00058910	1
IC3	25.000	24.884	-0.11636	-0.46543	0.13381	0.0020167	1



Element Name:	Ni
Element Wavelength:	Ni 231.604 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.00062567
A1 (Gain):	0.54586
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

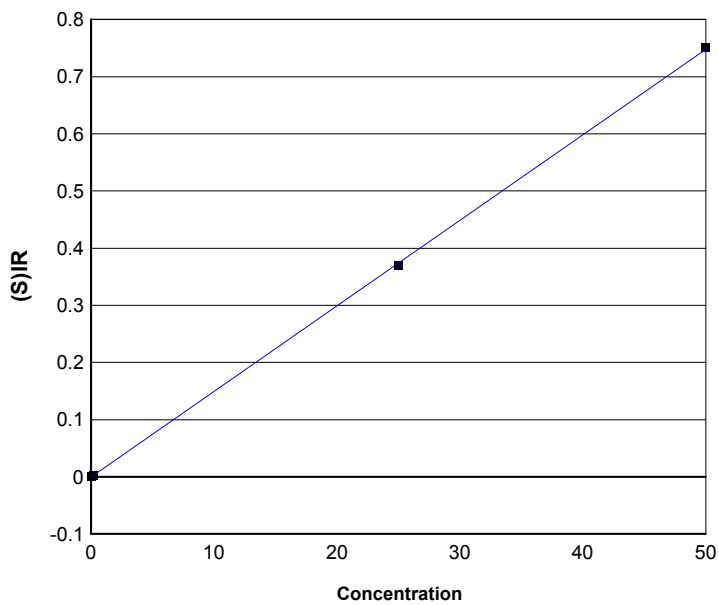
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000002786	0.0000002786	0.00000	-0.00062552	0.00016203	1
IC4	1.0000	1.0031	0.0030869	0.30869	0.54692	0.00044950	1
IC2	0.010000	0.0097472	-0.00025277	-2.5277	0.0046949	0.00015322	1
IC3	0.50000	0.49717	-0.0028341	-0.56682	0.27076	0.000055924	1



Element Name:	Pb
Element Wavelength:	Pb 220.353 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99996
A0 (Offset):	-0.00053064
A1 (Gain):	0.31925
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

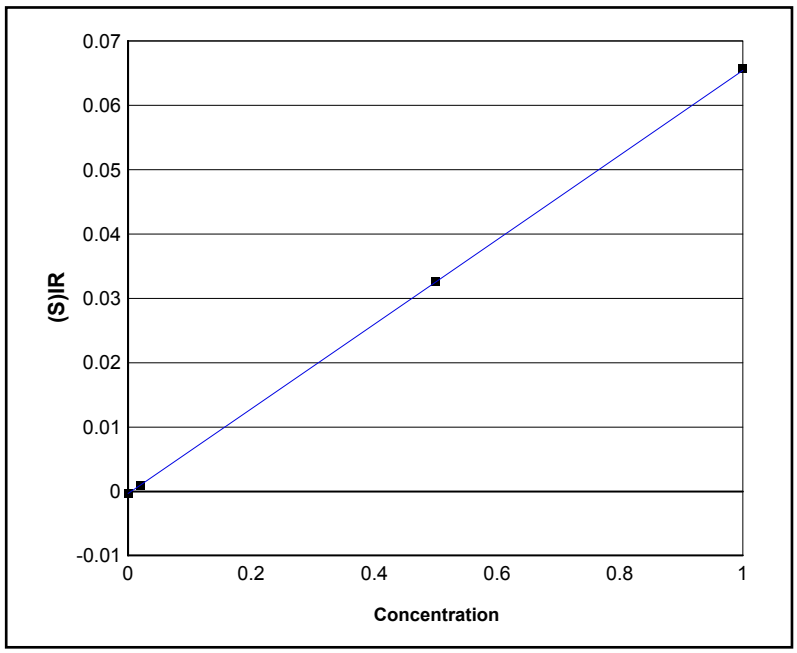
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000010634	0.0000010634	0.00000	-0.00053030	0.000066536	1
IC4	1.0000	1.0030	0.0029942	0.29942	0.32035	0.00028817	1
IC2	0.010000	0.0089454	-0.0010546	-10.546	0.0023307	0.000024468	1
IC3	0.50000	0.49806	-0.0019401	-0.38802	0.15881	0.00054302	1



Element Name:	S
Element Wavelength:	S 182.034 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	1.0000
A0 (Offset):	-0.0002031
A1 (Gain):	0.01496
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

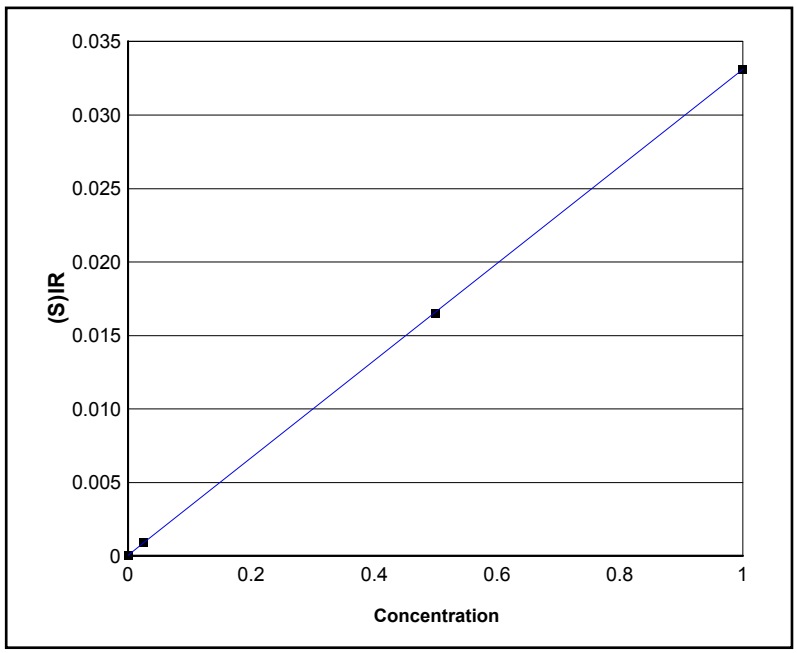
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.0000	0.000001022	0.000001022	0.0000	-0.0002031	0.00003193	1
IC2	0.2000	0.1999	-0.0001226	-0.06131	0.002787	0.00001926	1
IC3	25.00	24.78	-0.2249	-0.8998	0.3704	0.00003387	1
IC4	50.00	50.23	0.2251	0.4501	0.7512	0.0006716	1



Element Name:	Sb
Element Wavelength:	Sb 206.833 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.00037779
A1 (Gain):	0.065803
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

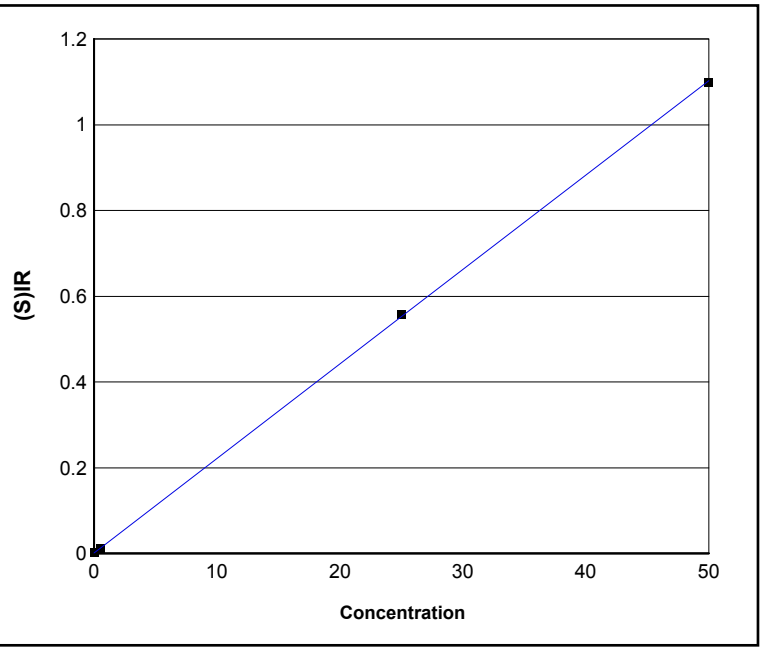
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000004730	-0.0000004730	0.00000	-0.00037782	0.000073610	1
IC4	1.0000	1.0008	0.00076936	0.076936	0.065686	0.00024908	1
IC2	0.020000	0.020509	0.00050873	2.5436	0.00097315	0.000042573	1
IC3	0.50000	0.49872	-0.0012770	-0.25540	0.032545	0.00023918	1



Element Name:	Se
Element Wavelength:	Se 196.090 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99993
A0 (Offset):	0.000055162
A1 (Gain):	0.033056
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

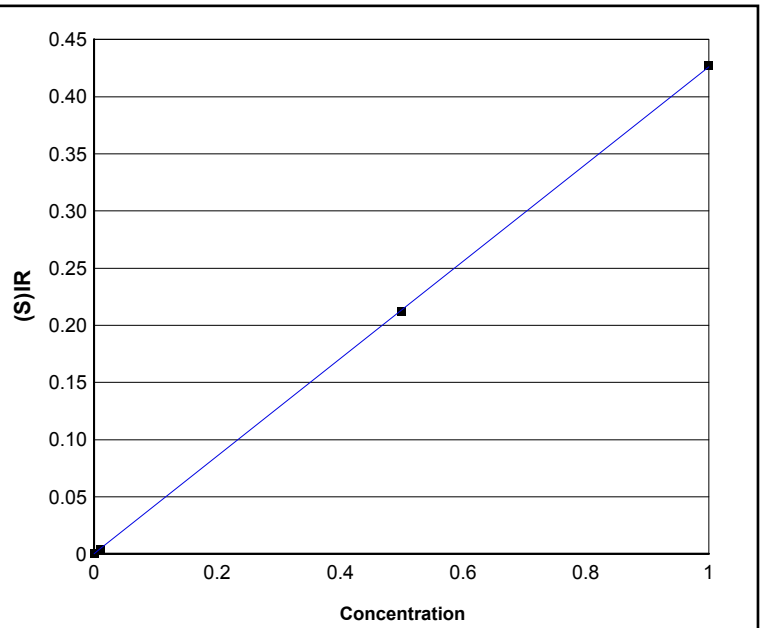
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000021482	-0.0000021482	0.00000	0.000055091	0.000011546	1
IC4	1.0000	0.99954	-0.00046319	-0.046319	0.033111	0.000045756	1
IC2	0.025000	0.027249	0.0022490	8.9961	0.00095615	0.000024955	1
IC3	0.50000	0.49821	-0.0017855	-0.35710	0.016532	0.00011350	1



Element Name:	Si
Element Wavelength:	Si 288.158 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.0014592
A1 (Gain):	0.022037
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

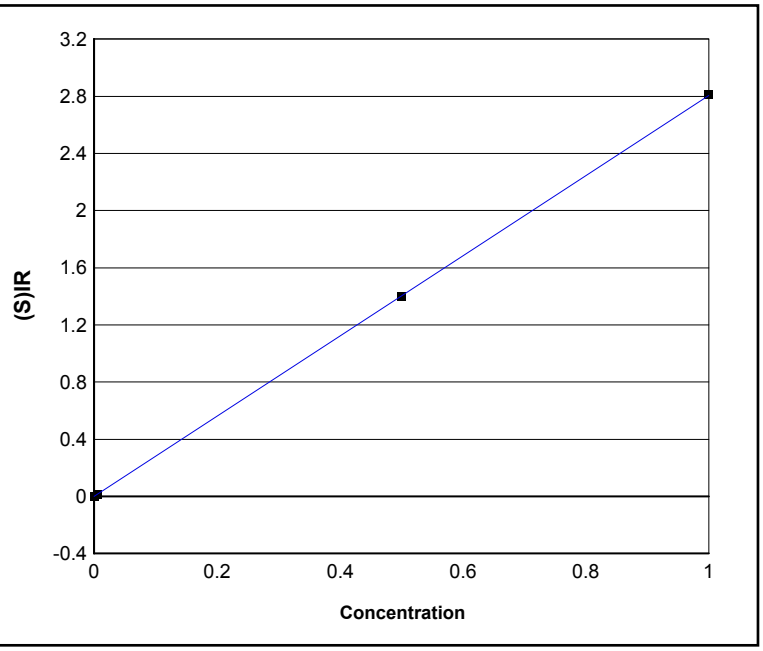
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000024702	0.000024702	0.00000	0.0014597	0.000071950	1
IC2	0.50000	0.47301	-0.026991	-5.3982	0.011883	0.0000039303	1
IC3	25.000	25.202	0.20191	0.80762	0.55683	0.0027573	1
IC4	50.000	49.825	-0.17491	-0.34983	1.0994	0.0067987	1



Element Name:	Sn
Element Wavelength:	Sn 189.989 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.000074440
A1 (Gain):	0.42618
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

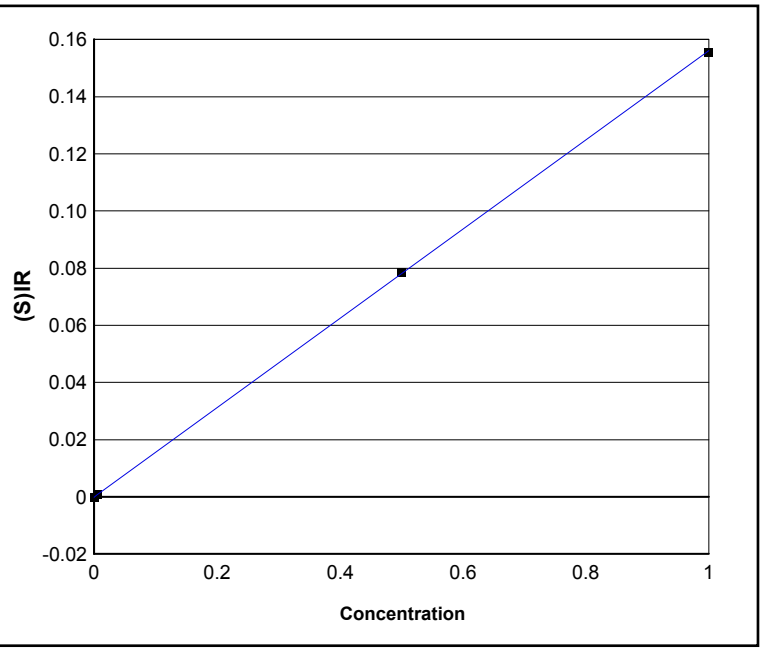
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000008250	0.0000008250	0.00000	0.000074791	0.0000049274	1
IC4	1.0000	1.0031	0.0031150	0.31150	0.42741	0.000038795	1
IC2	0.010000	0.0091899	-0.00081007	-8.1007	0.0039901	0.00018663	1
IC3	0.50000	0.49770	-0.0023048	-0.46095	0.21210	0.0015531	1



Element Name:	Sr
Element Wavelength:	Sr 407.771 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.0014151
A1 (Gain):	2.8074
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

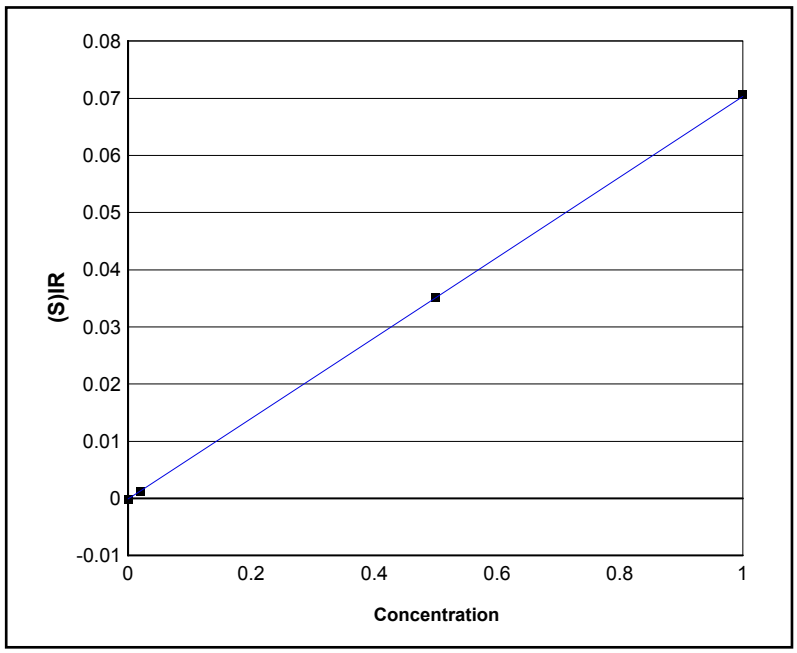
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000936	0.0000000936	0.00000	-0.0014149	0.000083801	1
IC2	0.0050000	0.0049125	-0.000087527	-1.7505	0.012376	0.00021219	1
IC3	0.50000	0.49870	-0.0012970	-0.25940	1.3986	0.0069873	1
IC4	1.0000	1.0014	0.0013845	0.13845	2.8099	0.0051968	1



Element Name:	Ti
Element Wavelength:	Ti 334.904 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.00013792
A1 (Gain):	0.15626
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

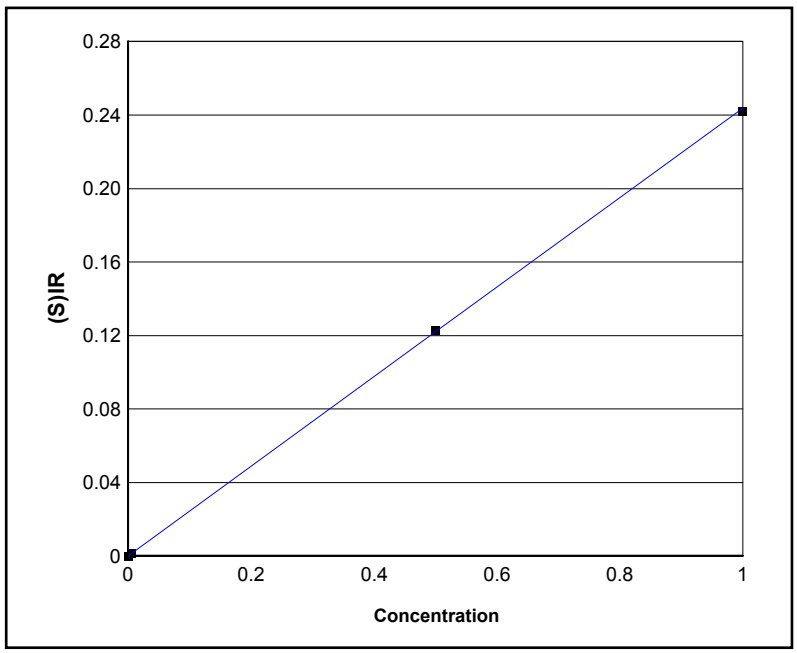
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000001125	-0.0000001125	0.00000	-0.00013794	0.000030602	1
IC4	1.0000	0.99615	-0.0038459	-0.38459	0.15555	0.00069992	1
IC2	0.0050000	0.0050942	0.000094247	1.8849	0.00065822	0.000012150	1
IC3	0.50000	0.50375	0.0037516	0.75033	0.078592	0.000012067	1



Element Name:	Tl
Element Wavelength:	Tl 190.856 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99993
A0 (Offset):	-0.00010901
A1 (Gain):	0.070430
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

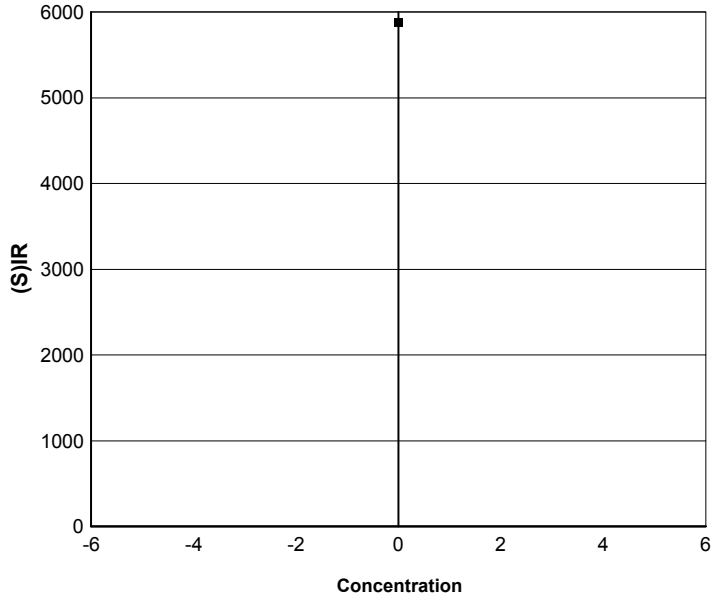
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000020122	0.0000020122	0.00000	-0.00010887	0.000077844	1
IC4	1.0000	1.0033	0.0032573	0.32573	0.070776	0.000010508	1
IC2	0.020000	0.017972	-0.0020280	-10.140	0.0011576	0.00016067	1
IC3	0.50000	0.49877	-0.0012345	-0.24690	0.035132	0.00013298	1



Element Name:	V
Element Wavelength:	V 292.402 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.000030858
A1 (Gain):	0.24383
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

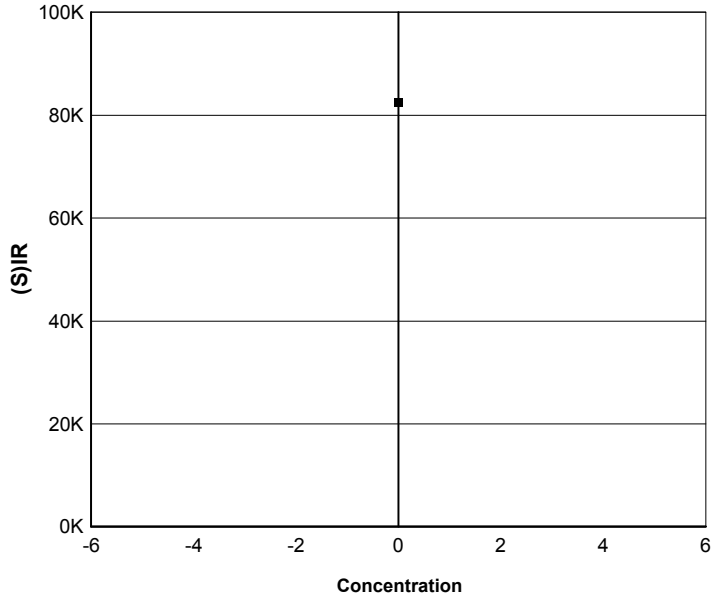
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000002457	0.0000002457	0.00000	0.000030918	0.000056499	1
IC4	1.0000	0.99514	-0.0048596	-0.48596	0.24196	0.0020376	1
IC2	0.0050000	0.0047273	-0.00027269	-5.4538	0.0011739	0.0000059400	1
IC3	0.50000	0.50513	0.0051310	1.0262	0.12284	0.00024703	1



Element Name:	Y
Element Wavelength:	Y 224.306 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:17:16PM
Date of Fit:	5/8/2014 3:17:16PM
Type of Fit:	Linear
Correlation:	0.0000
A0 (Offset):	0.0000
A1 (Gain):	0.0000
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

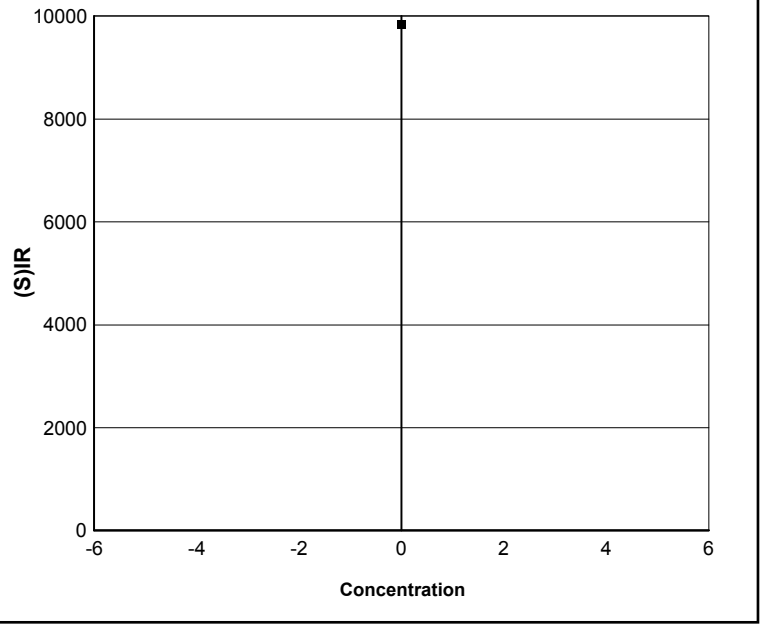
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.0000			0.0000	5,878	2.595	1



Element Name:	Y
Element Wavelength:	Y 360.073 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:17:16PM
Date of Fit:	5/8/2014 3:17:16PM
Type of Fit:	Linear
Correlation:	0.0000
A0 (Offset):	0.0000
A1 (Gain):	0.0000
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

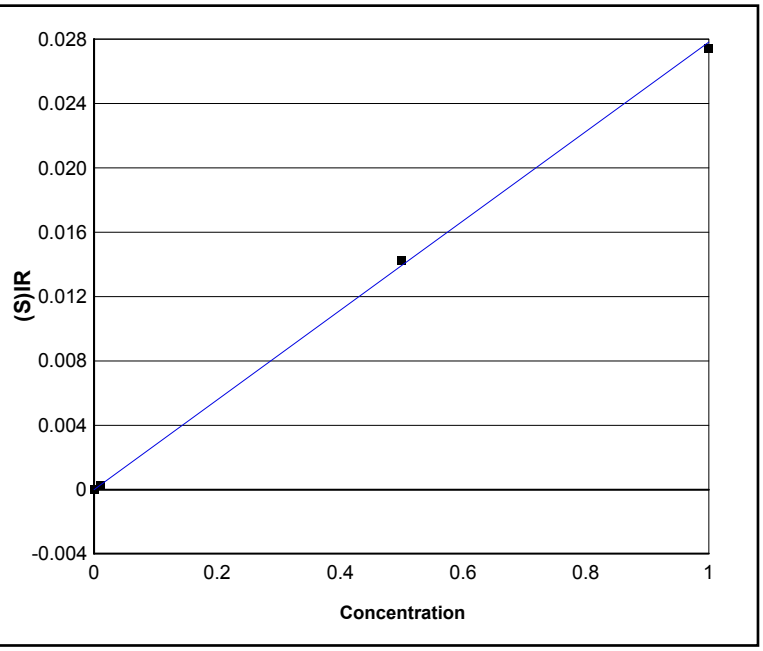
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.0000			0.0000	82,530	365.8	1



Element Name:	Y
Element Wavelength:	Y 377.433 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:17:16PM
Date of Fit:	5/8/2014 3:17:16PM
Type of Fit:	Linear
Correlation:	0.0000
A0 (Offset):	0.0000
A1 (Gain):	0.0000
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			0.0000	9,829	0.2174	1



Element Name:	Zn
Element Wavelength:	Zn 206.200 nm
Concentration Units:	ppm
Date of Calibration:	5/8/2014 3:25:26PM
Date of Fit:	5/8/2014 3:25:26PM
Type of Fit:	Linear
Correlation:	0.99981
A0 (Offset):	-0.0000035503
A1 (Gain):	0.027841
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	0.0000004335	0.0000004335	0.00000	-0.0000035382	0.0000094469	1
IC4	1.0000	0.98709	-0.012913	-1.2913	0.027424	0.00019751	1
IC2	0.010000	0.0094258	-0.00057416	-5.7416	0.00025866	0.0000083564	1
IC3	0.50000	0.51349	0.013488	2.6975	0.014266	0.0000067647	1

Sample Name: IC1 Acquired: 5/8/2014 15:14:30 Type: Cal
Method: ICAP 1 MARCH 2014(v15) Mode: IR Corr. Factor: 1.000000
User: ss 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**	**.00138**	**.00006**	**.00069**	**.00037**	**.00065**	**.00055**	**.00436**	**.00106**	**-.00106**	**-.00001**	**.00272**
Stddev	.00001	.00032	.00001	.00001	.00009	.00003	.00005	.00007	.00015	.00012	.00005	.00001
%RSD	7.7740	23.413	21.838	1.9929	24.971	4.8367	9.0602	1.4992	14.089	11.643	491.33	.19492
#1	-.00011	.00160	.00005	.00068	.00030	.00067	.00058	.00440	.00095	-.00097	-.00005	.00272
#2	-.00010	.00115	.00006	.00070	.00043	.00063	.00051	.00431	.00116	-.00114	.00003	.00271

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mn2576-2	Mo2020	Na5895	Na8183	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00031**	**.00043**	**.00042**	**.00312**	**-.00004**	**.00074**	**.00006**	**.00009**	**.00168**	**-.00909**	**-.00063**	**-.00053**
Stddev	.00009	.00027	.00042	.00056	.00003	.00002	.00001	.00003	.00065	.00091	.00016	.00007
%RSD	28.537	64.180	98.801	18.051	61.411	2.6457	10.509	30.595	38.965	9.9757	25.903	12.547
#1	.00025	.00062	.00072	.00272	-.00002	.00073	.00006	.00007	.00122	-.00973	-.00074	-.00048
#2	.00038	.00023	.00013	.00351	-.00006	.00075	.00007	.00011	.00214	-.00845	-.00051	-.00058

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**-.00038**	**.00006**	**.00146**	**.00007**	**-.00141**	**-.00014**	**-.00011**	**.00003**	**-.00000**
Stddev	.0000	.00007	.00001	.00007	.00000	.00008	.00003	.00008	.00006	.00001
%RSD	15.72	19.483	20.959	4.9290	6.5882	5.9228	22.186	71.501	182.74	267.00
#1	-.0002	-.00043	.00006	.00151	.00007	-.00147	-.00012	-.00005	.00007	-.00001
#2	-.0002	-.00033	.00005	.00141	.00008	-.00136	-.00016	-.00016	-.00001	.00000

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2271.9**	**5878.3**	**82526.**	**9828.8**
Stddev	1.1	2.6	366.	.2
%RSD	.04776	.04415	.44320	.00221
#1	2272.7	5876.4	82267.	9828.6
#2	2271.2	5880.1	82784.	9828.9

Sample Name: IC2 Acquired: 5/8/2014 15:17:19 Type: Cal
Method: ICAP 1 MARCH 2014(v15) Mode: IR Corr. Factor: 1.000000
User: ss 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	**.00062**	**.00529**	**.00067**	**.00604**	**.00790**	**.01293**	**.00823**	**.05745**	**.00410**	**.00977**	**.00032**	**.00533**
Stddev	.00001	.00013	.00011	.00004	.00065	.00010	.00023	.00023	.00006	.00013	.00003	.00008
%RSD	1.5528	2.5412	16.836	.70366	8.2819	.76746	2.8233	.40556	1.4010	1.3151	8.6765	1.4126
#1	.00062	.00520	.00075	.00601	.00743	.01301	.00839	.05729	.00406	.00986	.00034	.00539
#2	.00063	.00539	.00059	.00607	.00836	.01286	.00807	.05762	.00414	.00968	.00030	.00528

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mn2576-2	Mo2020	Na5895	Na8183	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00295**	**.00015**	**.01267**	**.03933**	**.00159**	**.00269**	**.00020**	**.00340**	**.14724**	**-.00292**	**.00469**	**.00233**
Stddev	.00031	.00007	.00005	.00072	.00000	.00002	.00002	.00002	.00072	.00059	.00015	.00002
%RSD	10.438	45.441	.36835	1.8261	.18671	.75906	12.303	.52924	.48600	20.208	3.2635	1.0498
#1	.00316	.00010	.01270	.03984	.00159	.00271	.00021	.00339	.14775	-.00333	.00459	.00235
#2	.00273	.00020	.01264	.03882	.00159	.00268	.00018	.00341	.14674	-.00250	.00480	.00231

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0028**	**.00097**	**.00096**	**.01188**	**.00399**	**.01238**	**.00066**	**.00116**	**.00117**	**.00026**
Stddev	.0000	.00004	.00002	.00000	.00019	.00021	.00001	.00016	.00001	.00001
%RSD	.6909	4.3748	2.6100	.03308	4.6774	1.7145	1.8458	13.879	.50601	3.2306
#1	.0028	.00100	.00094	.01188	.00412	.01253	.00067	.00104	.00118	.00025
#2	.0028	.00094	.00097	.01189	.00386	.01223	.00065	.00127	.00117	.00026

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2269.0**	**5859.4**	**83513.**	**10186.**
Stddev	4.2	10.5	295.	9.
%RSD	.18334	.17892	.35336	.08711
#1	2272.0	5866.8	83722.	10180.
#2	2266.1	5852.0	83305.	10192.

Sample Name: IC3 Acquired: 5/8/2014 15:20:10 Type: Cal
Method: ICAP 1 MARCH 2014(v15) Mode: IR Corr. Factor: 1.000000
User: ss 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	**.06046**	**.50544**	**.02182**	**.14240**	**1.7456**	**2.9884**	**1.9852**	**2.7727**	**.75766**	**1.3366**	**.04132**	**.14157**
Stddev	.00012	.00269	.00005	.00057	.0037	.0038	.0058	.0168	.00074	.0009	.00009	.00020
%RSD	.20145	.53213	.23463	.40198	.21256	.12768	.29022	.60475	.09833	.06506	.21172	.14381
#1	.06037	.50354	.02186	.14199	1.7430	2.9911	1.9893	2.7608	.75818	1.3373	.04138	.14171
#2	.06054	.50734	.02179	.14280	1.7482	2.9857	1.9811	2.7846	.75713	1.3360	.04125	.14143

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mn2576-2	Mo2020	Na5895	Na8183	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.2536**	**.10148**	**.66662**	**.64855**	**.21013**	**.34302**	**.02326**	**.16448**	**3.8447**	**.13381**	**.27076**	**.15881**
Stddev	.0019	.00092	.00274	.00374	.00049	.00063	.00006	.00010	.0156	.00202	.00006	.00054
%RSD	.15262	.90491	.41049	.57653	.23477	.18267	.25752	.06180	.40538	1.5071	.02065	.34193
#1	1.2550	.10083	.66468	.64591	.21048	.34347	.02330	.16455	3.8337	.13238	.27072	.15920
#2	1.2523	.10213	.66855	.65120	.20978	.34258	.02321	.16441	3.8557	.13523	.27079	.15843

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.3704**	**.03254**	**.01653**	**.55683**	**.21210**	**1.3986**	**.07859**	**.03513**	**.12284**	**.01427**
Stddev	.0000	.00024	.00011	.00276	.00155	.0070	.00001	.00013	.00025	.00001
%RSD	.0091	.73492	.68654	.49518	.73228	.49958	.01535	.37852	.20110	.04742
#1	.3704	.03238	.01645	.55488	.21319	1.4036	.07860	.03523	.12301	.01427
#2	.3705	.03271	.01661	.55878	.21100	1.3937	.07858	.03504	.12266	.01426

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2114.9**	**5721.3**	**79614.**	**9917.7**
Stddev	1.0	5.4	276.	9.0
%RSD	.04620	.09371	.34641	.09098
#1	2115.6	5725.1	79419.	9924.0
#2	2114.2	5717.5	79809.	9911.3

Sample Name: IC4 Acquired: 5/8/2014 15:22:51 Type: Cal
Method: ICAP 1 MARCH 2014(v15) Mode: IR Corr. Factor: 1.000000
User: ss 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	**.12074**	**1.0122**	**.04352**	**.28277**	**3.5153**	**5.8788**	**3.9052**	**5.4595**	**1.5112**	**2.6978**	**.08079**	**.28144**
Stddev	.00083	.0010	.00001	.00059	.0021	.0208	.0067	.0298	.0001	.0002	.00036	.00155
%RSD	.68866	.09687	.01518	.20821	.05992	.35373	.17109	.54622	.00590	.00762	.44773	.54926
#1	.12015	1.0115	.04352	.28236	3.5138	5.8640	3.9099	5.4384	1.5113	2.6979	.08054	.28034
#2	.12132	1.0129	.04352	.28319	3.5168	5.8935	3.9004	5.4806	1.5111	2.6976	.08105	.28253

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mn2576-2	Mo2020	Na5895	Na8183	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.4575**	**.20123**	**1.3592**	**1.3217**	**.41283**	**.66911**	**.04691**	**.32530**	**7.8481**	**.27828**	**.54692**	**.32035**
Stddev	.0011	.00122	.0014	.0028	.00163	.00259	.00017	.00021	.0049	.00038	.00045	.00029
%RSD	.04542	.60749	.09992	.21005	.39467	.38684	.36104	.06570	.06206	.13633	.08219	.08996
#1	2.4583	.20037	1.3582	1.3197	.41168	.66728	.04702	.32515	7.8447	.27801	.54723	.32014
#2	2.4567	.20210	1.3601	1.3236	.41398	.67094	.04679	.32545	7.8516	.27855	.54660	.32055

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.7512**	**.06569**	**.03311**	**1.0994**	**.42741**	**2.8099**	**.15555**	**.07078**	**.24196**	**.02742**
Stddev	.0007	.00025	.00005	.0068	.00004	.0052	.00070	.00001	.00204	.00020
%RSD	.0894	.37919	.13819	.61838	.00908	.18495	.44997	.01485	.84214	.72020
#1	.7507	.06551	.03314	1.0946	.42744	2.8135	.15505	.07077	.24052	.02728
#2	.7516	.06586	.03308	1.1043	.42738	2.8062	.15604	.07078	.24340	.02756

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2030.2**	**5660.7**	**78830.**	**10066.**
Stddev	2.2	8.2	360.	42.
%RSD	.10937	.14558	.45687	.41402
#1	2031.7	5666.5	79085.	10096.
#2	2028.6	5654.8	78575.	10037.

Sample Name: icv-2039079 Acquired: 5/8/2014 15:25:30 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.36480**	**18.716**	**.37572**	**.36143**	**.38124**	**.37511**	**18.477**	**.37381**	**.36955**	**.37168**	**.37242**	**18.662**
Stddev	.00207	.056	.00165	.00020	.00105	.00085	.041	.00048	.00015	.00176	.00186	.014
%RSD	.56739	.29667	.43817	.05422	.27577	.22751	.22269	.12813	.03938	.47393	.49898	.07633
#1	.36333	18.677	.37456	.36129	.38049	.37451	18.448	.37347	.36966	.37043	.37111	18.652
#2	.36626	18.755	.37689	.36157	.38198	.37571	18.506	.37415	.36945	.37292	.37374	18.672
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.214**	**.36418**	**18.601**	**.37875**	**.36927**	**18.127**	**.37230**	**.37301**	**18.00**	**.36834**	**.37271**	**18.189**
Stddev	.111	.00421	.019	.00073	.00113	.147	.00064	.00024	.05	.00233	.00154	.099
%RSD	.60677	1.1551	.10014	.19147	.30608	.81064	.17189	.06533	.2948	.63311	.41238	.54267
#1	18.136	.36121	18.588	.37823	.37007	18.023	.37185	.37318	17.96	.36669	.37163	18.119
#2	18.292	.36716	18.614	.37926	.36848	18.230	.37275	.37284	18.04	.36999	.37380	18.259
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36258**	**.37175**	**.36801**	**.37301**	**.37132**	**.37545**
Stddev	.00062	.00009	.00014	.00194	.00202	.00199
%RSD	.17182	.02442	.03687	.52136	.54442	.52957
#1	.36302	.37168	.36810	.37163	.36989	.37405
#2	.36214	.37181	.36791	.37438	.37275	.37686
Check ?	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	**2157.5**	**5815.8**	**81043.**	**10176.**
Stddev	4.2	11.3	54.	6.
%RSD	.19536	.19506	.06624	.06154
#1	2160.5	5823.8	81081.	10172.
#2	2154.5	5807.8	81005.	10181.

Sample Name: icb-2051994 Acquired: 5/8/2014 15:28:06 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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**	**.00460**	**.00046**	**.00082**	**.00015**	**.00007**	**.00529**	**.00012**	**.00013**	**.00014**	**-.00033**	**.00482**
Stddev	.00047	.00754	.00146	.00029	.00000	.00017	.00432	.00002	.00006	.00023	.00001	.00185
%RSD	119.04	163.85	319.12	34.617	1.5246	253.32	81.620	16.712	50.916	167.12	4.1499	38.319
#1	.00072	.00993	.00149	.00103	.00015	.00019	.00224	.00014	.00008	.00031	-.00032	.00351
#2	.00006	-.00073	-.00057	.00062	.00015	-.00005	.00835	.00011	.00017	-.00003	-.00034	.00612
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03494**	**.00066**	**.00758**	**.00018**	**.00033**	**.00798**	**-.00014**	**-.00023**	**.0038**	**.00071**	**-.00138**	**.03825**
Stddev	.01034	.00015	.00308	.00001	.00012	.01083	.00001	.00108	.0027	.00125	.00082	.00191
%RSD	29.581	22.934	40.562	5.0046	36.700	135.82	4.2441	480.53	71.84	174.42	59.275	4.9859
#1	.02763	.00076	.00541	.00017	.00042	.00032	-.00014	-.00099	.0057	-.00017	-.00080	.03690
#2	.04225	.00055	.00976	.00019	.00025	.01563	-.00015	.00054	.0019	.00160	-.00196	.03960
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00019**	**.00017**	**-.00188**	**-.00020**	**.00066**
Stddev	.00021	.00008	.00005	.00035	.00006	.00004
%RSD	185.90	42.784	31.622	18.802	28.107	5.4734
#1	.00026	.00025	.00020	-.00163	-.00016	.00069
#2	-.00004	.00013	.00013	-.00213	-.00024	.00064
Check ?	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	**2269.7**	**5858.9**	**83644.**	**10073.**
Stddev	2.0	6.7	809.	7.
%RSD	.08716	.11495	.96676	.06638
#1	2271.1	5854.2	84215.	10077.
#2	2268.3	5863.7	83072.	10068.

Sample Name: icvl-2051992 Acquired: 5/8/2014 15:30:56 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00583**	**.20269**	**.01401**	**.01968**	**.00219**	**.00213**	**.48021**	**.00212**	**.00411**	**.00436**	**.00972**	**.05103**
Stddev	.00007	.00117	.00081	.00021	.00008	.00004	.00275	.00009	.00006	.00007	.00006	.00298
%RSD	1.2354	.57800	5.7844	1.0916	3.4779	1.9870	.57349	4.2752	1.4794	1.5696	.65205	5.8303
#1	.00578	.20352	.01344	.01953	.00224	.00210	.48215	.00218	.00415	.00440	.00967	.05313
#2	.00588	.20186	.01459	.01983	.00213	.00216	.47826	.00205	.00407	.00431	.00976	.04893
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43906**	**.02843**	**.20916**	**.00295**	**.01006**	**.92478**	**.00965**	**.01057**	**.1946**	**.01959**	**.02523**	**.47874**
Stddev	.03443	.00065	.00036	.00011	.00027	.00298	.00019	.00019	.0047	.00100	.00113	.02184
%RSD	7.8411	2.2911	.17108	3.8094	2.6590	.32237	1.9660	1.8402	2.434	5.0977	4.4643	4.5617
#1	.46340	.02797	.20891	.00303	.01025	.92689	.00951	.01071	.1912	.02030	.02603	.49418
#2	.41471	.02889	.20941	.00287	.00987	.92267	.00978	.01043	.1979	.01889	.02444	.46330
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00921**	**.00492**	**.00525**	**.01932**	**.00494**	**.01024**
Stddev	.00013	.00010	.00013	.00299	.00020	.00019
%RSD	1.4024	2.0202	2.4915	15.469	4.0884	1.8267
#1	.00930	.00485	.00516	.02143	.00508	.01037
#2	.00912	.00499	.00534	.01720	.00479	.01011
Check ?	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	**2282.9**	**5922.4**	**82441.**	**10241.**
Stddev	6.1	28.0	161.	11.
%RSD	.26673	.47353	.19559	.10978
#1	2287.2	5942.2	82555.	10233.
#2	2278.6	5902.6	82327.	10249.

Sample Name: cri-1953286 Acquired: 5/8/2014 15:33:46 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00302**	**.19502**	**.01009**	**.01991**	**.00213**	**.00199**	**.49023**	**.00107**	**.00415**	**.00406**	**.00964**	**.04891**
Stddev	.00047	.00212	.00070	.00008	.00001	.00005	.00241	.00003	.00008	.00023	.00001	.00044
%RSD	15.597	1.0869	6.8888	.40064	.36819	2.5560	.49181	2.5952	1.9600	5.6068	.07832	.89461
#1	.00269	.19652	.01059	.01985	.00213	.00203	.49194	.00109	.00409	.00390	.00964	.04922
#2	.00336	.19352	.00960	.01997	.00212	.00196	.48853	.00105	.00421	.00423	.00963	.04860
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46415**	**.02938**	**.19944**	**.00289**	**.01040**	**.96233**	**.00999**	**.00509**	**.1814**	**.02176**	**.01545**	**.49686**
Stddev	.03969	.00059	.00099	.00007	.00022	.00945	.00006	.00012	.0029	.00029	.00067	.00210
%RSD	8.5505	2.0123	.49723	2.2957	2.1378	.98202	.56578	2.4264	1.615	1.3527	4.3062	.42221
#1	.49221	.02980	.20014	.00294	.01055	.96902	.01003	.00518	.1794	.02196	.01592	.49834
#2	.43608	.02897	.19874	.00284	.01024	.95565	.00995	.00500	.1835	.02155	.01498	.49538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00932**	**.00505**	**.00462**	**.01780**	**.00481**	**.01050**
Stddev	.00009	.00000	.00010	.00143	.00008	.00020
%RSD	.93226	.04315	2.1972	8.0416	1.7417	1.9181
#1	.00925	.00506	.00469	.01678	.00486	.01064
#2	.00938	.00505	.00455	.01881	.00475	.01036
Check ?	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	**2271.7**	**5885.7**	**82966.**	**10108.**
Stddev	3.7	49.3	12.	21.
%RSD	.16452	.83780	.01396	.20356
#1	2269.1	5850.8	82974.	10094.
#2	2274.4	5920.5	82958.	10123.

Sample Name: icsa-2039056 Acquired: 5/8/2014 15:36:36 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00198**	**520.15**	**-.00016**	**-.00132**	**.00023**	**-.00010**	**489.86**	**.00085**	**-.00054**	**.00126**	**.00248**	**200.70**
Stddev	.00038	1.62	.00079	.00052	.00001	.00002	.05	.00003	.00015	.00017	.00017	.53
%RSD	19.031	.31129	493.86	39.511	5.9568	20.847	.01013	3.7646	27.696	13.598	6.6581	.26365
#1	.00225	519.00	-.00072	-.00095	.00024	-.00009	489.90	.00087	-.00043	.00139	.00260	200.32
#2	.00171	521.29	.00040	-.00169	.00022	-.00012	489.83	.00082	-.00064	.00114	.00237	201.07
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.05757**	**.00380**	**505.67**	**.00440**	**-.00148**	**.01792**	**.00094**	**-.00295**	**-.0959**	**-.01055**	**.00331**	**.00474**
Stddev	.00157	.00092	7.17	.00007	.00005	.00512	.00058	.00097	.0095	.00073	.00277	.00793
%RSD	2.7238	24.136	1.4182	1.5916	3.5672	28.586	61.619	32.839	9.863	6.9595	83.840	167.34
#1	-.05868	.00315	510.74	.00435	-.00144	.02154	.00135	-.00364	-.1026	-.01107	.00527	.01034
#2	-.05646	.00445	500.60	.00445	-.00152	.01429	.00053	-.00227	-.0892	-.01003	.00135	-.00087
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
High Limit												
Low Limit												

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.01476**	**.00180**	**.00096**	**.00031**	**.00126**
Stddev	.00050	.00007	.00021	.00576	.00001	.00009
%RSD	39.511	.48453	11.670	600.16	2.7543	7.0529
#1	.00161	.01481	.00165	-.00311	.00031	.00120
#2	.00091	.01471	.00195	.00503	.00030	.00132
Check ?	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	**1744.0**	**5241.8**	**73158.**	**9501.5**
Stddev	1.4	13.4	242.	53.4
%RSD	.08281	.25498	.33100	.56157
#1	1745.1	5251.3	72987.	9539.3
#2	1743.0	5232.4	73329.	9463.8

Sample Name: icsab-2051989 Acquired: 5/8/2014 15:39:35 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21741**	**516.99**	**.10953**	**.00300**	**.50506**	**.51002**	**479.21**	**1.0165**	**.50115**	**.47615**	**.53131**	**97.380**	**.01026**
Stddev	.00016	1.40	.00478	.00044	.00083	.00043	1.28	.0001	.00012	.00138	.00002	.260	.00509
%RSD	.07461	.27119	4.3601	14.720	.16375	.08514	.26806	.01440	.02315	.28971	.00362	.26695	49.643
#1	.21753	516.00	.11291	.00331	.50448	.50971	478.30	1.0164	.50107	.47518	.53132	97.196	.00666
#2	.21730	517.98	.10615	.00268	.50565	.51032	480.12	1.0166	.50124	.47713	.53129	97.564	.01386
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value													
Range													

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52921**	**503.87**	**.47591**	**-.00003**	**.08393**	**.97550**	**.04418**	**.4862**	**.60246**	**.04588**	**1.0861**	**.00086**	**.50767**
Stddev	.00062	1.69	.00108	.00011	.00243	.00054	.00313	.0066	.00209	.00453	.0029	.00006	.00062
%RSD	.11781	.33497	.22731	322.22	2.8947	.05488	7.0937	1.351	.34689	9.8778	.26276	6.5209	.12168
#1	.52965	505.06	.47515	-.00011	.08221	.97512	.04196	.4815	.60394	.04909	1.0881	.00090	.50723
#2	.52877	502.67	.47668	.00004	.08565	.97588	.04639	.4908	.60099	.04268	1.0840	.00082	.50811
Check ?	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None
Value													
Range													

Elem	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm
Avg	**.00284**	**.10068**	**.48517**	**.96549**
Stddev	.00018	.00618	.00183	.00052
%RSD	6.1855	6.1351	.37684	.05423
#1	.00271	.09632	.48388	.96512
#2	.00296	.10505	.48647	.96586
Check ?	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	**1741.7**	**5271.3**	**72847.**	**9449.1**
Stddev	.3	3.9	87.	39.2
%RSD	.01781	.07378	.11923	.41449
#1	1741.5	5268.5	72908.	9476.8
#2	1741.9	5274.0	72786.	9421.4

Sample Name: ccv-2051990 Acquired: 5/8/2014 15:42:25 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49664**	**25.201**	**.50537**	**.48711**	**.49847**	**.50176**	**24.861**	**.49802**	**.49181**	**.50026**	**.49929**	**25.021**	**24.506**	**.49060**
Stddev	.00109	.100	.00117	.00001	.00242	.00250	.019	.00173	.00229	.00031	.00131	.056	.101	.00401
%RSD	.22040	.39675	.23233	.00135	.48551	.49897	.07663	.34737	.46512	.06219	.26250	.22498	.41203	.81767
#1	.49741	25.130	.50620	.48710	.49676	.49999	24.848	.49924	.49343	.50048	.50021	24.981	24.435	.48776
#2	.49587	25.271	.50454	.48711	.50018	.50353	24.875	.49679	.49020	.50004	.49836	25.061	24.578	.49343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.271**	**.50810**	**.49512**	**24.355**	**.49528**	**.49280**	**24.34**	**.49534**	**.50071**	**24.309**	**.48478**	**.49657**	**.49646**	**.49188**
Stddev	.142	.00261	.00113	.121	.00131	.00465	.02	.00007	.00051	.116	.00414	.00296	.00208	.00008
%RSD	.56235	.51352	.22869	.49598	.26535	.94295	.0742	.01433	.10263	.47805	.85439	.59516	.41797	.01619
#1	25.372	.50994	.49592	24.269	.49621	.49608	24.35	.49529	.50034	24.227	.48771	.49448	.49793	.49194
#2	25.171	.50625	.49432	24.440	.49436	.48951	24.33	.49539	.50107	24.391	.48186	.49866	.49499	.49183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.49917**	**.50756**
Stddev	.00103	.00102
%RSD	.20707	.20004
#1	.49990	.50827
#2	.49844	.50684
Check ?	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	**2110.8**	**5702.9**	**79498.**	**9975.8**
Stddev	3.3	5.7	318.	6.3
%RSD	.15654	.10013	.40026	.06303
#1	2108.5	5698.9	79273.	9980.3
#2	2113.1	5707.0	79723.	9971.4

Sample Name: ccb-2039081 Acquired: 5/8/2014 15:45:05 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00025**	**.03151**	**-.00125**	**.00048**	**.00009**	**-.00004**	**.04334**	**.00009**	**.00005**	**-.00007**	**.00000**	**.01286**
Stddev	.00055	.00464	.00022	.00024	.00000	.00012	.00258	.00010	.00003	.00025	.00017	.00087
%RSD	216.42	14.737	17.419	49.044	2.9381	341.59	5.9433	110.99	63.805	337.27	5410.6	6.7330
#1	.00064	.03479	-.00109	.00032	.00009	.00005	.04151	.00002	.00003	-.00025	-.00012	.01348
#2	-.00013	.02823	-.00140	.00065	.00009	-.00012	.04516	.00016	.00008	.00010	.00013	.01225
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00734**	**-.00043**	**.04415**	**.00013**	**-.00002**	**.01184**	**.00001**	**.00046**	**.0017**	**.00082**	**.00192**	**.01328**
Stddev	.00601	.00015	.00308	.00000	.00016	.00287	.00011	.00048	.0025	.00007	.00188	.01498
%RSD	81.801	35.385	6.9725	1.1547	822.06	24.280	720.21	104.81	150.3	8.8380	97.997	112.81
#1	-.00310	-.00032	.04633	.00013	.00009	.00980	-.00006	.00080	.0035	.00087	.00326	.02387
#2	-.01159	-.00053	.04198	.00013	-.00013	.01387	.00009	.00012	-.0001	.00076	.00059	.00269
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.00006**	**.00020**	**-.00047**	**-.00004**	**.00036**
Stddev	.00025	.00004	.00029	.00007	.00040	.00024
%RSD	97.426	69.200	146.47	15.806	1043.8	66.479
#1	-.00008	.00003	-.00001	-.00041	.00025	.00053
#2	-.00043	.00008	.00040	-.00052	-.00032	.00019
Check ?	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	**2266.0**	**5839.0**	**82581.**	**10030.**
Stddev	.8	6.0	303.	40.
%RSD	.03657	.10212	.36735	.39772
#1	2266.5	5843.2	82796.	10002.
#2	2265.4	5834.7	82367.	10058.

Sample Name: CCVL-1953285 Acquired: 5/8/2014 15:47:55 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00696**	**.19543**	**.01306**	**.01948**	**.00229**	**.00192**	**.47997**	**.00200**	**.00402**	**.00358**	**.00936**	**.04345**
Stddev	.00017	.00551	.00062	.00003	.00002	.00002	.00118	.00010	.00005	.00027	.00005	.00293
%RSD	2.4498	2.8215	4.7111	.15998	.98157	1.1210	.24638	5.2490	1.3451	7.5904	.51555	6.7376
#1	.00708	.19933	.01262	.01950	.00231	.00190	.48080	.00207	.00398	.00339	.00933	.04552
#2	.00684	.19153	.01349	.01946	.00228	.00193	.47913	.00192	.00406	.00377	.00940	.04138
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45548**	**.02741**	**.19857**	**.00284**	**.00983**	**.92949**	**.00960**	**.00928**	**.2007**	**.02074**	**.02589**	**.48561**
Stddev	.00560	.00090	.00063	.00001	.00015	.00161	.00005	.00125	.0037	.00032	.00040	.00897
%RSD	1.2304	3.2810	.31675	.25530	1.4904	.17336	.49511	13.413	1.863	1.5382	1.5313	1.8472
#1	.45944	.02677	.19813	.00285	.00972	.92835	.00957	.00840	.2034	.02097	.02561	.47926
#2	.45151	.02805	.19902	.00284	.00993	.93063	.00963	.01016	.1981	.02052	.02617	.49195
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00899**	**.00479**	**.00467**	**.01931**	**.00475**	**.00951**
Stddev	.00030	.00003	.00032	.00100	.00023	.00033
%RSD	3.3640	.70521	6.9575	5.1774	4.7675	3.5168
#1	.00877	.00477	.00490	.01860	.00491	.00974
#2	.00920	.00482	.00444	.02001	.00459	.00927
Check ?	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	**2261.1**	**5808.6**	**83376.**	**10129.**
Stddev	2.4	4.1	82.	8.
%RSD	.10523	.07028	.09895	.07548
#1	2259.4	5811.4	83434.	10135.
#2	2262.8	5805.7	83317.	10124.

Sample Name: mb 480-180820/1-a Acquired: 5/8/2014 15:50:45 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01537**	**-.00236**	**.00058**	**.00029**	**-.00008**	**.00815**	**.00009**	**.00007**
Stddev	.00058	.00450	.00133	.00002	.00001	.00002	.00306	.00002	.00008
%RSD	179.77	29.262	56.351	4.2413	4.1717	21.221	37.491	26.395	121.81
#1	-.00009	.01855	-.00330	.00060	.00030	-.00009	.01032	.00007	.00013
#2	.00074	.01219	-.00142	.00056	.00028	-.00007	.00599	.00010	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00046**	**-.00065**	**-.03758**	**-.00033**	**.00752**	**.00022**	**.00001**	**-.00013**
Stddev	.00004	.00018	.00113	.01105	.00091	.00597	.00000	.00007	.00085
%RSD	11.183	38.861	174.92	29.395	274.07	79.413	.03057	459.54	660.00
#1	.00030	.00059	-.00145	-.02977	-.00097	.00330	.00022	.00006	.00047
#2	.00036	.00033	.00015	-.04539	.00031	.01174	.00022	-.00003	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00017**	**.0043**	**.00217**	**-.00055**	**.04876**	**.00005**	**.00011**	**-.00000**
Stddev	.00010	.00003	.0007	.00070	.00046	.01597	.00011	.00001	.00004
%RSD	213.06	18.192	15.06	32.243	83.268	32.751	223.65	11.306	1666.3
#1	.00012	-.00019	.0048	.00167	-.00088	.06005	-.00003	.00010	.00003
#2	-.00002	-.00015	.0039	.00266	-.00023	.03747	.00013	.00012	-.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00035**	**-.00002**	**.00098**
Stddev	.00068	.00017	.00024
%RSD	194.86	980.51	24.515
#1	.00013	-.00013	.00081
#2	-.00083	.00010	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2260.4**	**5792.6**	**82437.**	**10082.**
Stddev	6.2	7.1	304.	17.
%RSD	.27372	.12284	.36858	.17073
#1	2256.0	5797.6	82652.	10094.
#2	2264.8	5787.6	82222.	10070.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.493%	98.543%	99.893%	102.58%
Range				

Sample Name: CCV Acquired: 5/8/2014 15:53:37 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49547**	**25.098**	**.50630**	**.48807**	**.49844**	**.50104**	**24.839**	**.49991**	**.49451**	**.49934**	**.50059**	**24.981**	**24.548**	**.49071**
Stddev	.00237	.022	.00356	.00137	.00108	.00001	.017	.00043	.00022	.00035	.00111	.022	.080	.00269
%RSD	.47885	.08906	.70262	.28158	.21622	.00252	.07001	.08618	.04443	.07067	.22234	.08996	.32644	.54785
#1	.49714	25.114	.50882	.48904	.49920	.50103	24.827	.50021	.49467	.49959	.49980	24.997	24.604	.49261
#2	.49379	25.082	.50379	.48710	.49767	.50105	24.851	.49960	.49436	.49909	.50138	24.965	24.491	.48881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.197**	**.50743**	**.49612**	**24.355**	**.49839**	**.49795**	**24.56**	**.49786**	**.50023**	**24.359**	**.48515**	**.49454**	**.49436**	**.49566**
Stddev	.016	.00126	.00119	.066	.00294	.00118	.02	.00001	.00066	.024	.00018	.00043	.00059	.00417
%RSD	.06527	.24870	.23980	.26938	.59046	.23719	.0647	.00257	.13226	.10018	.03797	.08750	.11919	.84065
#1	25.185	.50832	.49528	24.401	.49631	.49878	24.55	.49786	.50070	24.377	.48528	.49484	.49478	.49272
#2	25.208	.50654	.49697	24.308	.50047	.49711	24.57	.49787	.49976	24.342	.48502	.49423	.49395	.49861
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.49697**	**.50511**
Stddev	.00038	.00040
%RSD	.07690	.07906
#1	.49724	.50539
#2	.49670	.50483
Check ?	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	**2106.0**	**5706.8**	**79808.**	**9992.2**
Stddev	3.1	1.8	69.	2.9
%RSD	.14647	.03107	.08702	.02885
#1	2108.1	5708.1	79857.	9994.2
#2	2103.8	5705.6	79759.	9990.2

Sample Name: CCB Acquired: 5/8/2014 15:56:19 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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**	**-.00293**	**-.00124**	**.00046**	**.00004**	**-.00005**	**-.00252**	**.00009**	**-.00001**	**.00012**	**-.00014**	**-.00065**
Stddev	.00042	.01668	.00094	.00019	.00001	.00002	.00065	.00005	.00004	.00023	.00007	.00044
%RSD	894.32	569.13	75.940	41.287	25.095	28.317	25.761	53.544	458.09	192.49	50.536	67.337
#1	-.00034	-.01473	-.00190	.00060	.00003	-.00004	-.00298	.00006	-.00004	-.00004	-.00009	-.00097
#2	.00025	.00887	-.00057	.00033	.00005	-.00006	-.00206	.00012	.00002	.00028	-.00019	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02072**	**.00019**	**.00629**	**.00005**	**.00011**	**.00374**	**.00000**	**-.00115**	**.0012**	**.00148**	**.00238**	**.01652**
Stddev	.04320	.00144	.00404	.00003	.00016	.00472	.00017	.00058	.0007	.00003	.00079	.00499
%RSD	208.48	764.65	64.204	60.796	149.28	126.12	3408.4	50.305	57.81	2.1820	33.158	30.191
#1	.00983	-.00083	.00343	.00008	.00023	.00040	.00012	-.00074	.0017	.00151	.00183	.02005
#2	-.05127	.00120	.00914	.00003	-.00001	.00707	-.00011	-.00156	.0007	.00146	.00294	.01299
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00022**	**.00036**	**-.00109**	**-.00005**	**.00011**
Stddev	.00080	.00011	.00018	.00105	.00015	.00014
%RSD	414.25	51.866	49.336	96.071	326.78	119.63
#1	-.00076	.00014	.00024	-.00183	.00006	.00002
#2	.00037	.00029	.00049	-.00035	-.00016	.00021
Check ?	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	**2259.8**	**5802.8**	**82807.**	**10121.**
Stddev	1.6	13.2	51.	7.
%RSD	.06985	.22786	.06124	.07364
#1	2258.6	5812.2	82843.	10127.
#2	2260.9	5793.5	82771.	10116.

Sample Name: CCVL Acquired: 5/8/2014 15:59:10 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00562**	**.18946**	**.01394**	**.01925**	**.00221**	**.00193**	**.49214**	**.00194**	**.00404**	**.00370**	**.00864**	**.04750**
Stddev	.00030	.01126	.00012	.00002	.00003	.00003	.00150	.00002	.00004	.00037	.00000	.00005
%RSD	5.2929	5.9405	.82871	.08892	1.5563	1.4210	.30526	1.2146	1.0946	10.131	.05269	.11458
#1	.00583	.19742	.01402	.01923	.00219	.00191	.49108	.00196	.00401	.00396	.00864	.04754
#2	.00541	.18151	.01386	.01926	.00224	.00195	.49320	.00193	.00407	.00343	.00864	.04746
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43701**	**.02667**	**.19954**	**.00284**	**.00996**	**.89757**	**.00982**	**.01034**	**.1973**	**.02025**	**.02430**	**.48204**
Stddev	.01755	.00113	.00543	.00005	.00026	.00309	.00037	.00056	.0032	.00009	.00140	.01720
%RSD	4.0170	4.2408	2.7227	1.8521	2.6136	.34464	3.7894	5.4219	1.610	.42354	5.7516	3.5677
#1	.42460	.02587	.19570	.00280	.01014	.89975	.01008	.01073	.1995	.02019	.02331	.49420
#2	.44943	.02747	.20338	.00287	.00977	.89538	.00956	.00994	.1950	.02031	.02529	.46988
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00906**	**.00463**	**.00489**	**.01802**	**.00460**	**.01023**
Stddev	.00051	.00003	.00051	.00243	.00032	.00031
%RSD	5.6235	.58946	10.374	13.490	7.0159	3.0382
#1	.00942	.00465	.00453	.01974	.00437	.01045
#2	.00870	.00461	.00525	.01630	.00483	.01001
Check ?	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	**2267.3**	**5889.3**	**83353.**	**9794.2**
Stddev	3.5	10.1	988.	2.0
%RSD	.15560	.17088	1.1851	.02053
#1	2269.8	5896.5	84052.	9792.8
#2	2264.8	5882.2	82655.	9795.6

Sample Name: lcs 480-180820/2-a Acquired: 5/8/2014 16:02:00 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05074**	**10.405**	**.20793**	**.20235**	**.21105**	**.20874**	**9.8578**	**.20573**	**.20494**
Stddev	.00025	.049	.00135	.00140	.00034	.00010	.0368	.00026	.00077
%RSD	.49420	.46857	.65122	.69002	.15894	.04747	.37314	.12864	.37654
#1	.05056	10.440	.20697	.20333	.21081	.20881	9.8838	.20554	.20440
#2	.05091	10.371	.20888	.20136	.21129	.20867	9.8317	.20592	.20549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20328**	**.20606**	**10.285**	**9.7526**	**.19834**	**10.377**	**.20637**	**.20523**	**9.8167**
Stddev	.00033	.00041	.016	.0019	.00037	.034	.00016	.00059	.0097
%RSD	.16318	.19892	.15214	.01977	.18563	.32782	.07777	.28911	.09910
#1	.20304	.20635	10.296	9.7513	.19808	10.401	.20648	.20565	9.8098
#2	.20351	.20577	10.274	9.7540	.19860	10.353	.20625	.20481	9.8236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20093**	**.20265**	**9.838**	**.20607**	**.20484**	**10.138**	**.19634**	**.20746**	**.19957**
Stddev	.00041	.00052	.007	.00280	.00267	.010	.00143	.00035	.00006
%RSD	.20317	.25417	.0748	1.3576	1.3041	.09772	.72675	.16977	.03021
#1	.20122	.20229	9.833	.20805	.20295	10.145	.19534	.20721	.19953
#2	.20064	.20302	9.843	.20409	.20673	10.131	.19735	.20771	.19961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.20922**	**.20858**	**.19898**
Stddev	.00559	.00061	.00121
%RSD	2.6709	.29059	.60887
#1	.20527	.20815	.19984
#2	.21317	.20900	.19812
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2178.4**	**5778.5**	**81506.**	**10172.**
Stddev	2.9	32.2	32.	22.
%RSD	.13268	.55674	.03907	.22071
#1	2176.4	5755.8	81529.	10157.
#2	2180.5	5801.3	81483.	10188.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.886%	98.303%	98.764%	103.50%
Range				

Sample Name: 480-59324-a-1-a Acquired: 5/8/2014 16:04:40 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02843**	**-.00119**	**.03495**	**.10510**	**-.00002**	**20.825**	**.00039**	**.00048**
Stddev	.00011	.00390	.00134	.00022	.00182	.00002	.026	.00005	.00004
%RSD	45.708	13.723	113.20	.62057	1.7276	148.07	.12529	12.312	8.1147
#1	.00017	.02567	-.00024	.03480	.10381	.00000	20.843	.00036	.00045
#2	.00033	.03118	-.00214	.03510	.10638	-.00003	20.806	.00043	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00053**	**.01292**	**6.6518**	**.00113**	**2.8390**	**.50269**	**.00001**	**47.530**
Stddev	.00021	.00008	.00021	.0585	.00028	.0312	.00630	.00014	.174
%RSD	89.846	14.748	1.6491	.87992	24.872	1.0991	1.2535	1885.0	.36601
#1	.00038	.00058	.01277	6.6104	.00093	2.8169	.49823	.00010	47.407
#2	.00008	.00047	.01307	6.6932	.00133	2.8610	.50714	-.00009	47.653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00220**	**-.00027**	**4.481**	**.00110**	**-.00057**	**6.0681**	**-.00004**	**.20703**	**.00059**
Stddev	.00007	.00083	.005	.00019	.00056	.0086	.00016	.00076	.00001
%RSD	3.3503	307.98	.1060	16.949	98.351	.14195	428.43	.36625	1.6790
#1	.00225	.00032	4.478	.00097	-.00097	6.0742	-.00015	.20650	.00060
#2	.00215	-.00086	4.484	.00124	-.00017	6.0620	.00007	.20757	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00139**	**-.00004**	**.00205**
Stddev	.00052	.00011	.00006
%RSD	37.724	250.81	3.1387
#1	-.00176	-.00012	.00200
#2	-.00102	.00003	.00209
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2144.2**	**5657.6**	**80294.**	**9883.3**
Stddev	4.9	23.8	999.	8.2
%RSD	.22703	.42134	1.2445	.08306
#1	2147.6	5674.5	81001.	9877.5
#2	2140.7	5640.8	79587.	9889.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.376%	96.247%	97.296%	100.55%
Range				

Sample Name: 480-59324-a-1-aSD@5 Acquired: 5/8/2014 16:07:26 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00701**	**-.00266**	**.00675**	**.02158**	**-.00015**	**4.1435**	**.00007**	**.00014**
Stddev	.00005	.02368	.00047	.00007	.00002	.00007	.0107	.00006	.00009
%RSD	12.568	337.79	17.837	.98138	.07652	45.722	.25744	93.060	64.800
#1	.00045	.00973	-.00300	.00670	.02157	-.00010	4.1360	.00002	.00020
#2	.00038	-.02376	-.00233	.00679	.02159	-.00020	4.1510	.00011	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00000**	**.00080**	**1.3063**	**.00028**	**.56624**	**.10172**	**.00004**	**9.2391**
Stddev	.00051	.00005	.00299	.0238	.00019	.00136	.00021	.00003	.0401
%RSD	395.31	1359.1	374.86	1.8184	67.336	.23997	.20725	58.647	.43453
#1	-.00023	.00003	-.00132	1.2895	.00042	.56720	.10187	.00006	9.2107
#2	.00049	-.00004	.00292	1.3231	.00015	.56528	.10157	.00003	9.2675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**-.00007**	**.8481**	**.00107**	**-.00081**	**1.2104**	**-.00000**	**.04130**	**-.00001**
Stddev	.00024	.00076	.0048	.00071	.00163	.0043	.00048	.00004	.00006
%RSD	65.420	1123.2	.5715	66.994	201.20	.35736	146680.	.08622	900.01
#1	.00054	-.00060	.8447	.00157	.00034	1.2073	.00034	.04127	-.00005
#2	.00020	.00047	.8516	.00056	-.00196	1.2134	-.00034	.04133	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00094**	**-.00022**	**.00049**
Stddev	.00045	.00028	.00013
%RSD	47.640	132.31	26.868
#1	-.00063	-.00001	.00059
#2	-.00126	-.00042	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2256.2**	**5873.1**	**82041.**	**9924.3**
Stddev	8.5	21.9	1.	36.6
%RSD	.37576	.37324	.00172	.36857
#1	2262.2	5888.6	82040.	9950.2
#2	2250.2	5857.6	82042.	9898.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.310%	99.912%	99.413%	100.97%
Range				

Sample Name: 480-59324-a-1-a PDS Acquired: 5/8/2014 16:10:14 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04117**	**10.529**	**.21454**	**.24034**	**.31330**	**.21147**	**30.054**	**.20331**	**.20171**
Stddev	.00018	.064	.00248	.00090	.00018	.00005	.012	.00132	.00137
%RSD	.44776	.60476	1.1582	.37650	.05725	.02144	.04063	.64720	.67919
#1	.04130	10.574	.21630	.24098	.31318	.21151	30.045	.20424	.20268
#2	.04104	10.484	.21279	.23970	.31343	.21144	30.063	.20238	.20074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19925**	**.20156**	**10.205**	**16.750**	**.20568**	**12.941**	**.68476**	**.20400**	**57.634**
Stddev	.00042	.00018	.014	.072	.00229	.063	.00210	.00133	.094
%RSD	.21033	.08683	.13493	.43168	1.1145	.48566	.30667	.65313	.16340
#1	.19955	.20144	10.195	16.802	.20730	12.985	.68624	.20495	57.567
#2	.19895	.20168	10.215	16.699	.20406	12.897	.68327	.20306	57.701
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20086**	**.19893**	**4.313**	**.20487**	**.21424**	**16.298**	**.15600**	**.40914**	**.19765**
Stddev	.00137	.00272	.008	.00063	.00140	.046	.00040	.00122	.00023
%RSD	.68111	1.3661	.1902	.30835	.65576	.28366	.25472	.29913	.11861
#1	.20183	.20085	4.318	.20531	.21523	16.331	.15628	.40828	.19749
#2	.19989	.19701	4.307	.20442	.21324	16.266	.15572	.41001	.19782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.20536**	**.20520**	**.20397**
Stddev	.00251	.00067	.00010
%RSD	1.2213	.32764	.04934
#1	.20713	.20567	.20404
#2	.20358	.20472	.20390
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2103.7**	**5671.1**	**80384.**	**10038.**
Stddev	3.3	4.8	61.	42.
%RSD	.15778	.08411	.07618	.41458
#1	2101.3	5667.7	80427.	10067.
#2	2106.0	5674.5	80341.	10009.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.594%	96.476%	97.405%	102.13%
Range				

Sample Name: 480-59324-a-1-b ms Acquired: 5/8/2014 16:12:53 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05143**	**10.684**	**.20849**	**.23857**	**.31169**	**.21072**	**30.306**	**.20751**	**.20631**
Stddev	.00037	.033	.00154	.00041	.00090	.00012	.094	.00127	.00178
%RSD	.72420	.30780	.73975	.17004	.28718	.05636	.31010	.60983	.86348
#1	.05169	10.660	.20740	.23886	.31106	.21081	30.372	.20841	.20757
#2	.05117	10.707	.20958	.23829	.31233	.21064	30.240	.20662	.20505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20486**	**.20816**	**10.348**	**16.886**	**.20573**	**13.156**	**.69292**	**.20612**	**57.987**
Stddev	.00021	.00007	.058	.098	.00024	.003	.00009	.00042	.198
%RSD	.10140	.03124	.56278	.58287	.11812	.02498	.01357	.20412	.34175
#1	.20471	.20812	10.389	16.817	.20555	13.153	.69299	.20642	57.847
#2	.20501	.20821	10.307	16.956	.20590	13.158	.69285	.20583	58.127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20303**	**.20215**	F **14.60**	**.20998**	**.20850**	**16.363**	**.19568**	**.41184**	**.20156**
Stddev	.00191	.00227	.09	.00004	.00093	.008	.00128	.00185	.00004
%RSD	.93957	1.1246	.5825	.01687	.44441	.04733	.65579	.44835	.01894
#1	.20438	.20376	14.66	.21000	.20784	16.358	.19658	.41054	.20153
#2	.20168	.20054	14.54	.20995	.20915	16.369	.19477	.41315	.20159
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.21682**	**.21116**	**.20620**
Stddev	.00197	.00088	.00060
%RSD	.90733	.41690	.28911
#1	.21821	.21053	.20578
#2	.21543	.21178	.20662
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2104.2**	**5683.7**	**80116.**	**10019.**
Stddev	8.1	.7	42.	26.
%RSD	.38271	.01213	.05294	.26107
#1	2098.5	5684.1	80146.	10000.
#2	2109.9	5683.2	80086.	10037.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.617%	96.689%	97.081%	101.93%
Range				

Sample Name: 480-59324-a-1-c msd Acquired: 5/8/2014 16:15:32 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04969**	**10.515**	**.21090**	**.23700**	**.30935**	**.20787**	**29.647**	**.20444**	**.20409**
Stddev	.00070	.087	.00038	.00098	.00053	.00110	.241	.00013	.00017
%RSD	1.4128	.82837	.18178	.41408	.17132	.52934	.81326	.06287	.08232
#1	.04919	10.577	.21063	.23631	.30972	.20864	29.818	.20453	.20421
#2	.05018	10.454	.21117	.23770	.30898	.20709	29.477	.20435	.20397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20208**	**.20535**	**10.147**	**16.667**	**.20364**	**12.986**	**.68993**	**.20320**	**58.035**
Stddev	.00236	.00100	.042	.137	.00177	.153	.00526	.00039	.454
%RSD	1.1691	.48628	.41484	.81927	.86812	1.1766	.76201	.19235	.78151
#1	.20041	.20464	10.177	16.763	.20489	12.878	.68621	.20347	58.356
#2	.20375	.20605	10.117	16.570	.20239	13.094	.69364	.20292	57.714
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20099**	**.20053**	F **14.43**	**.20744**	**.20454**	**16.065**	**.19484**	**.41062**	**.19758**
Stddev	.00080	.00164	.06	.00177	.00338	.085	.00005	.00032	.00124
%RSD	.39883	.81688	.4123	.85515	1.6510	.52828	.02684	.07828	.62839
#1	.20156	.20169	14.39	.20870	.20215	16.125	.19480	.41085	.19670
#2	.20042	.19938	14.48	.20619	.20693	16.005	.19488	.41040	.19846
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.21207**	**.20733**	**.20146**
Stddev	.00103	.00101	.00331
%RSD	.48607	.48782	1.6441
#1	.21280	.20661	.19912
#2	.21134	.20804	.20381
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2109.8**	**5700.4**	**80082.**	**10138.**
Stddev	2.8	20.4	227.	61.
%RSD	.13437	.35824	.28315	.59964
#1	2111.8	5714.9	80242.	10095.
#2	2107.8	5686.0	79922.	10181.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.866%	96.975%	97.039%	103.15%
Range				

Sample Name: 480-59324-a-2-a Acquired: 5/8/2014 16:18:11 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00009**	**.02171**	**.01053**	**.03645**	**-.00009**	**30.604**	**.00003**	**.00030**
Stddev	.00014	.00201	.00018	.00003	.00005	.00004	.167	.00007	.00008
%RSD	3797.4	2155.7	.80731	.29981	.13590	47.607	.54634	215.19	25.786
#1	.00010	.00133	.02159	.01050	.03649	-.00012	30.486	-.00002	.00024
#2	-.00010	-.00152	.02183	.01055	.03642	-.00006	30.722	.00008	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00029**	**5.1454**	**8.3182**	**.01129**	**9.1488**	**.22041**	**.00116**	**23.109**
Stddev	.00002	.00005	.0154	.0186	.00019	.0084	.00019	.00007	.110
%RSD	3.2777	18.764	.29856	.22317	1.7046	.09154	.08615	6.1404	.47628
#1	.00060	.00033	5.1563	8.3050	.01115	9.1548	.22054	.00121	23.031
#2	.00057	.00025	5.1346	8.3313	.01142	9.1429	.22027	.00111	23.187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**-.00112**	F **18.42**	**-.00154**	**.00115**	**10.641**	**-.00013**	**.19166**	**.00045**
Stddev	.00061	.00101	.02	.00012	.00312	.084	.00001	.00128	.00006
%RSD	93.795	90.410	.1196	7.6324	271.71	.79407	6.3593	.66739	13.481
#1	.00108	-.00040	18.41	-.00146	.00335	10.581	-.00013	.19257	.00041
#2	.00022	-.00184	18.44	-.00163	-.00106	10.700	-.00014	.19076	.00049
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00308**	**-.00012**	**.00305**
Stddev	.00110	.00034	.00023
%RSD	35.589	283.86	7.5465
#1	-.00231	.00012	.00321
#2	-.00386	-.00036	.00288
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2156.7**	**5635.0**	**81357.**	**10166.**
Stddev	.6	5.6	219.	4.
%RSD	.02562	.09945	.26888	.03500
#1	2157.1	5631.0	81202.	10168.
#2	2156.3	5638.9	81512.	10163.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.928%	95.861%	98.584%	103.43%
Range				

Sample Name: 480-59324-a-3-a Acquired: 5/8/2014 16:20:57 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00546**	**-.00066**	**.05320**	**.01529**	**-.00007**	**21.003**	**.00015**	**.00082**
Stddev	.00001	.00599	.00219	.00002	.00001	.00004	.079	.00008	.00021
%RSD	9.4129	109.79	329.00	.03234	.04257	53.169	.37483	52.245	26.000
#1	-.00012	-.00969	.00088	.05319	.01528	-.00010	21.059	.00021	.00067
#2	-.00014	-.00122	-.00221	.05321	.01529	-.00004	20.947	.00010	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00148**	**.00692**	**3.5024**	**.00265**	**5.0504**	**.03586**	**.00034**	**60.581**
Stddev	.00013	.00007	.00092	.0179	.00018	.0606	.00040	.00026	.334
%RSD	21.206	4.8313	13.331	.51109	6.6551	1.1992	1.1202	78.391	.55133
#1	.00051	.00143	.00627	3.5150	.00278	5.0075	.03558	.00015	60.345
#2	.00069	.00153	.00757	3.4897	.00253	5.0932	.03615	.00052	60.817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00344**	**-.00002**	F **9.533**	**.00003**	**-.00051**	**7.0167**	**.00017**	**.17971**	**.00023**
Stddev	.00004	.00132	.071	.00050	.00306	.0399	.00012	.00057	.00031
%RSD	1.2009	6463.7	.7405	1592.5	604.15	.56912	70.234	.31783	132.67
#1	.00347	.00091	9.483	.00039	-.00267	6.9884	.00008	.17930	.00045
#2	.00341	-.00096	9.582	-.00032	.00166	7.0449	.00025	.18011	.00001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00041**	**.00004**	**.00235**
Stddev	.00076	.00020	.00023
%RSD	186.01	557.82	9.7971
#1	-.00094	.00018	.00252
#2	.00013	-.00011	.00219
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2144.6**	**5672.6**	**79444.**	**10092.**
Stddev	5.9	17.8	563.	38.
%RSD	.27422	.31346	.70898	.37217
#1	2148.7	5685.2	79842.	10066.
#2	2140.4	5660.0	79046.	10119.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.395%	96.501%	96.266%	102.68%
Range				

Sample Name: 480-59324-a-4-a Acquired: 5/8/2014 16:23:44 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01303**	**.00694**	**.02156**	**.01415**	**-.00004**	**23.407**	**.00018**	**.00701**
Stddev	.00012	.00703	.00146	.00002	.00001	.00007	.011	.00000	.00003
%RSD	153.30	53.926	21.014	.08127	.03872	153.33	.04688	.51717	.42513
#1	.00001	.00806	.00797	.02155	.01415	-.00009	23.415	.00018	.00703
#2	-.00016	.01800	.00591	.02157	.01415	.00000	23.399	.00018	.00699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00054**	**.35844**	**2.4453**	**.00256**	**4.1678**	**2.0718**	**.00087**	**23.534**
Stddev	.00004	.00021	.00321	.0408	.00012	.0070	.0088	.00014	.017
%RSD	30.294	38.594	.89582	1.6677	4.8560	.16744	.42604	16.280	.07368
#1	.00015	.00039	.35617	2.4741	.00247	4.1628	2.0656	.00077	23.547
#2	.00010	.00069	.36071	2.4165	.00265	4.1727	2.0781	.00097	23.522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00199**	**.00089**	**6.459**	**-.00017**	**-.00021**	**11.868**	**-.00006**	**.13514**	**.00041**
Stddev	.00040	.00062	.039	.00038	.00271	.070	.00006	.00041	.00003
%RSD	20.174	70.425	.6014	222.59	1294.1	.58976	99.051	.30525	7.8427
#1	.00171	.00044	6.431	.00010	.00171	11.917	-.00002	.13485	.00043
#2	.00228	.00133	6.486	-.00045	-.00213	11.818	-.00010	.13543	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00058**	**.00002**	**.00286**
Stddev	.00122	.00002	.00033
%RSD	212.47	91.382	11.471
#1	.00029	.00004	.00309
#2	-.00144	.00001	.00263
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2182.0**	**5698.8**	**80969.**	**9973.9**
Stddev	4.5	11.4	260.	9.6
%RSD	.20528	.19991	.32152	.09612
#1	2185.1	5706.9	81153.	9967.2
#2	2178.8	5690.8	80785.	9980.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.041%	96.947%	98.114%	101.48%
Range				

Sample Name: CCV Acquired: 5/8/2014 16:26:31 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48673**	**25.072**	**.50728**	**.48875**	**.50094**	**.50254**	**24.451**	**.49511**	**.49144**	**.48954**	**.49558**	**24.861**	**24.524**	**.49531**
Stddev	.00285	.004	.00116	.00019	.00295	.00171	.118	.00012	.00032	.00453	.00249	.045	.109	.00320
%RSD	.58538	.01597	.22957	.03800	.58952	.33979	.48084	.02515	.06421	.92594	.50248	.18096	.44582	.64635
#1	.48471	25.069	.50810	.48888	.50303	.50375	24.534	.49502	.49121	.48633	.49382	24.893	24.602	.49757
#2	.48874	25.075	.50645	.48862	.49885	.50134	24.368	.49519	.49166	.49274	.49734	24.829	24.447	.49304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.605**	**.50139**	**.49412**	**24.306**	**.49337**	**.49319**	**24.77**	**.49986**	**.50871**	**24.216**	**.48075**	**.49750**	**.48426**	**.50559**
Stddev	.130	.00242	.00006	.090	.00073	.00056	.01	.00090	.00050	.069	.00018	.00172	.00192	.00157
%RSD	.52686	.48210	.01183	.36881	.14787	.11339	.0565	.17934	.09739	.28404	.03698	.34492	.39619	.31008
#1	24.513	.49968	.49408	24.370	.49389	.49358	24.76	.50050	.50906	24.265	.48088	.49871	.48291	.50448
#2	24.697	.50310	.49416	24.243	.49286	.49279	24.78	.49923	.50836	24.168	.48063	.49629	.48562	.50670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.48858**	**.48828**
Stddev	.00224	.00407
%RSD	.45906	.83343
#1	.48699	.48540
#2	.49016	.49116
Check ?	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	**2116.2**	**5729.4**	**81035.**	**10105.**
Stddev	.4	.8	226.	62.
%RSD	.01696	.01401	.27926	.61319
#1	2116.5	5730.0	81195.	10061.
#2	2116.0	5728.9	80875.	10148.

Sample Name: CCB Acquired: 5/8/2014 16:29:12 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00029**	**-.00966**	**-.00212**	**.00057**	**.00007**	**-.00000**	**-.00293**	**-.00002**	**.00023**	**.00006**	**-.00006**	**.00010**
Stddev	.00074	.01071	.00093	.00003	.00001	.00007	.00044	.00002	.00004	.00030	.00021	.00014
%RSD	253.67	110.84	43.739	5.7437	10.120	6136.7	14.946	156.25	19.172	473.60	348.79	138.91
#1	.00081	-.01724	-.00146	.00054	.00007	-.00005	-.00324	.00000	.00026	-.00015	-.00021	.00000
#2	-.00023	-.00209	-.00278	.00059	.00006	.00005	-.00262	-.00003	.00020	.00027	.00009	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02260**	**.00080**	**.00460**	**.00019**	**.00013**	**-.00399**	**.00002**	**-.00041**	**.0006**	**.00003**	**.00047**	**.02302**
Stddev	.05571	.00050	.00330	.00001	.00003	.00630	.00001	.00092	.0007	.00097	.00055	.00037
%RSD	246.46	63.034	71.900	6.7469	25.299	157.85	52.766	221.49	125.2	2914.3	117.92	1.6087
#1	.01679	.00044	.00693	.00020	.00011	.00046	.00003	-.00106	.0001	.00072	.00008	.02329
#2	-.06200	.00115	.00226	.00018	.00015	-.00845	.00001	.00023	.0011	-.00066	.00086	.02276
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00010**	**.00028**	**-.00185**	**-.00031**	**.00002**
Stddev	.00057	.00013	.00037	.00087	.00016	.00021
%RSD	4212.0	133.51	131.52	46.996	52.016	965.69
#1	.00039	.00019	.00054	-.00123	-.00042	-.00013
#2	-.00042	.00001	.00002	-.00246	-.00019	.00017
Check ?	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	**2276.9**	**5887.3**	**82712.**	**10042.**
Stddev	.1	6.0	137.	36.
%RSD	.00220	.10140	.16569	.35863
#1	2276.9	5883.1	82809.	10017.
#2	2276.8	5891.6	82615.	10068.

Sample Name: CCVL Acquired: 5/8/2014 16:32:04 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00588**	**.19041**	**.01376**	**.01917**	**.00242**	**.00200**	**.48150**	**.00195**	**.00406**	**.00371**	**.00913**	**.04821**
Stddev	.00025	.00259	.00088	.00007	.00001	.00003	.00118	.00007	.00000	.00004	.00013	.00093
%RSD	4.2060	1.3578	6.3631	.35511	.49283	1.5448	.24578	3.5282	.03718	1.1893	1.4400	1.9236
#1	.00605	.18859	.01438	.01913	.00242	.00203	.48233	.00190	.00406	.00368	.00904	.04755
#2	.00570	.19224	.01314	.01922	.00241	.00198	.48066	.00200	.00405	.00374	.00922	.04886
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41141**	**.02866**	**.19541**	**.00289**	**.00994**	**.93138**	**.00966**	**.00850**	**.2023**	**.01987**	**.02405**	**.48247**
Stddev	.02098	.00057	.00248	.00008	.00021	.00836	.00023	.00057	.0046	.00033	.00165	.00063
%RSD	5.0986	2.0006	1.2666	2.9222	2.1089	.89794	2.3420	6.6847	2.283	1.6774	6.8541	.13045
#1	.42624	.02906	.19366	.00283	.00979	.92546	.00950	.00810	.1991	.02010	.02522	.48292
#2	.39658	.02825	.19716	.00295	.01009	.93729	.00982	.00890	.2056	.01963	.02289	.48203
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00872**	**.00489**	**.00461**	**.01725**	**.00441**	**.00936**
Stddev	.00007	.00005	.00018	.00096	.00010	.00052
%RSD	.82415	1.0305	3.9797	5.5706	2.3479	5.5607
#1	.00877	.00486	.00448	.01793	.00433	.00900
#2	.00867	.00493	.00474	.01657	.00448	.00973
Check ?	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	**2279.1**	**5903.5**	**83759.**	**10140.**
Stddev	4.8	.1	392.	3.
%RSD	.21226	.00181	.46755	.02782
#1	2282.5	5903.6	84036.	10138.
#2	2275.7	5903.4	83482.	10142.

Sample Name: 480-59324-a-5-a Acquired: 5/8/2014 16:34:55 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.01585**	**.09472**	**.07553**	**.04320**	**-.00004**	**56.218**	**-.00006**	**.00039**
Stddev	.00016	.00535	.00327	.00016	.00001	.00006	.059	.00007	.00009
%RSD	43.489	33.770	3.4547	.20736	.01772	168.08	.10551	115.85	22.193
#1	.00048	.01207	.09703	.07542	.04319	-.00008	56.176	-.00001	.00033
#2	.00025	.01964	.09240	.07564	.04320	.00001	56.260	-.00012	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00076**	**6.3089**	**9.8173**	**.01475**	**14.931**	**1.8135**	**.00111**	**50.676**
Stddev	.00002	.00001	.0210	.0596	.00025	.117	.0160	.00007	.344
%RSD	5.9107	.77810	.33302	.60682	1.6728	.78075	.88383	6.1543	.67825
#1	.00037	.00076	6.2940	9.7752	.01457	14.849	1.8021	.00106	50.433
#2	.00040	.00076	6.3237	9.8595	.01492	15.014	1.8248	.00116	50.920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00269**	**.00008**	F **9.514**	**-.00014**	**.00206**	**11.956**	**-.00020**	**.31934**	**.00028**
Stddev	.00031	.00035	.009	.00222	.00487	.069	.00025	.00033	.00016
%RSD	11.420	440.18	.0923	1544.4	235.91	.58024	126.45	.10223	55.198
#1	.00247	.00033	9.508	.00143	-.00138	11.907	-.00037	.31911	.00039
#2	.00290	-.00017	9.521	-.00171	.00551	12.005	-.00002	.31957	.00017
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00118**	**.00011**	**.00355**
Stddev	.00190	.00001	.00038
%RSD	160.12	6.2079	10.783
#1	-.00253	.00011	.00328
#2	.00016	.00011	.00382
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2103.9**	**5613.7**	**79387.**	**9974.5**
Stddev	2.5	15.6	520.	27.1
%RSD	.12077	.27819	.65500	.27205
#1	2102.1	5624.8	79755.	9993.7
#2	2105.7	5602.7	79020.	9955.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.605%	95.500%	96.197%	101.48%
Range				

Sample Name: 480-59324-a-6-a Acquired: 5/8/2014 16:37:40 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00373**	**.00866**	**.02059**	**.01470**	**.00000**	**19.849**	**.00012**	**.00054**
Stddev	.00042	.02284	.00105	.00012	.00004	.00001	.091	.00001	.00013
%RSD	100.64	612.04	12.072	.60448	.25354	332.69	.46095	5.5084	23.282
#1	.00072	-.01242	.00940	.02068	.01468	-.00001	19.914	.00011	.00063
#2	.00012	.01988	.00792	.02051	.01473	.00001	19.785	.00012	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00004**	**4.7659**	**3.9747**	**.01346**	**5.6015**	**.52645**	**.00007**	**41.430**
Stddev	.00010	.00014	.0138	.0403	.00001	.0052	.00158	.00002	.251
%RSD	90.505	338.90	.28963	1.0151	.05532	.09257	.30039	21.414	.60578
#1	.00004	.00006	4.7562	3.9462	.01346	5.6052	.52533	.00006	41.608
#2	.00018	-.00014	4.7757	4.0032	.01345	5.5979	.52756	.00008	41.253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00122**	**-.00088**	**4.546**	**.00011**	**-.00042**	**11.567**	**-.00036**	**.11275**	**.00052**
Stddev	.00025	.00052	.001	.00068	.00166	.052	.00035	.00007	.00018
%RSD	20.156	58.661	.0245	598.62	390.61	.44695	99.860	.06226	34.174
#1	.00104	-.00052	4.546	.00060	-.00160	11.603	-.00010	.11280	.00040
#2	.00139	-.00125	4.545	-.00037	.00075	11.530	-.00061	.11270	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00050**	**-.00006**	**.00238**
Stddev	.00214	.00003	.00005
%RSD	427.21	42.964	2.0646
#1	.00201	-.00008	.00241
#2	-.00101	-.00004	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2163.6**	**5754.8**	**80484.**	**9964.2**
Stddev	1.4	21.7	88.	16.3
%RSD	.06399	.37659	.10916	.16365
#1	2164.6	5770.1	80547.	9952.6
#2	2162.6	5739.5	80422.	9975.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.231%	97.899%	97.527%	101.38%
Range				

Sample Name: 480-59324-a-7-a Acquired: 5/8/2014 16:40:26 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00583**	**.00348**	**.00574**	**.01221**	**-.00008**	**13.248**	**.00000**	**.00012**
Stddev	.00050	.01689	.00065	.00003	.00002	.00002	.063	.00000	.00010
%RSD	162.01	289.52	18.826	.45217	.12597	29.159	.47294	202.09	82.315
#1	-.00066	.01778	.00302	.00572	.01222	-.00006	13.292	-.00000	.00018
#2	.00005	-.00611	.00394	.00576	.01220	-.00009	13.204	.00001	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00002**	**1.1876**	**1.7656**	**.01026**	**2.6832**	**.08467**	**.00210**	**14.276**
Stddev	.00025	.00018	.0054	.0076	.00059	.0057	.00004	.00010	.004
%RSD	313.38	751.19	.45721	.43184	5.7872	.21151	.04738	4.7763	.02622
#1	.00026	-.00015	1.1838	1.7602	.00984	2.6792	.08470	.00217	14.273
#2	-.00010	.00010	1.1915	1.7710	.01068	2.6872	.08464	.00203	14.278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**-.00023**	**2.391**	**-.00006**	**.00118**	**10.664**	**-.00012**	**.07262**	**.00007**
Stddev	.00010	.00028	.012	.00103	.00296	.019	.00001	.00029	.00032
%RSD	21.867	122.14	.4791	1788.0	251.72	.17595	8.3983	.39448	427.87
#1	.00039	-.00003	2.383	-.00079	.00327	10.677	-.00013	.07241	.00030
#2	.00053	-.00043	2.399	.00067	-.00092	10.651	-.00012	.07282	-.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00018**	**.00012**	**.00134**
Stddev	.00137	.00012	.00050
%RSD	761.90	95.979	37.256
#1	-.00115	.00020	.00169
#2	.00079	.00004	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2210.5**	**5735.4**	**81253.**	**9978.4**
Stddev	2.6	38.2	98.	48.4
%RSD	.11595	.66623	.12007	.48492
#1	2212.3	5762.4	81322.	9944.2
#2	2208.7	5708.4	81184.	10013.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.297%	97.569%	98.457%	101.52%
Range				

Sample Name: 480-59324-a-8-a Acquired: 5/8/2014 16:43:14 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.02046**	**.10111**	**.57961**	**.29873**	**-.00004**	**121.40**	**-.00010**	**.02282**
Stddev	.00016	.00352	.00029	.00221	.00003	.00008	.67	.00002	.00016
%RSD	18.250	17.226	.28203	.38125	.01070	221.91	.55462	24.394	.68435
#1	.00100	.02296	.10131	.57805	.29875	-.00010	120.93	-.00011	.02293
#2	.00077	.01797	.10090	.58117	.29870	.00002	121.88	-.00008	.02271
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**.00132**	**98.497**	**30.970**	**.01207**	**31.466**	**3.0524**	**-.00068**	**78.955**
Stddev	.00041	.00018	.175	.024	.00052	.029	.0043	.00009	.479
%RSD	17.241	13.884	.17771	.07859	4.3293	.09210	.14110	13.197	.60611
#1	.00268	.00145	98.373	30.987	.01244	31.446	3.0494	-.00061	79.294
#2	.00210	.00119	98.621	30.953	.01170	31.487	3.0555	-.00074	78.617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00770**	**-.00016**	**1.692**	**.00039**	**.00032**	**7.7548**	**.00291**	**1.2823**	**.00069**
Stddev	.00079	.00050	.013	.00024	.00365	.0314	.00007	.0025	.00044
%RSD	10.304	313.12	.7776	62.258	1136.7	.40543	2.5702	.19584	63.382
#1	.00826	-.00051	1.702	.00022	.00290	7.7326	.00296	1.2840	.00038
#2	.00714	.00019	1.683	.00056	-.00226	7.7771	.00286	1.2805	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00440**	**.00348**	**.00283**
Stddev	.00142	.00023	.00014
%RSD	32.239	6.6224	4.8062
#1	-.00540	.00331	.00273
#2	-.00340	.00364	.00292
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1997.9**	**5458.3**	**77495.**	**9876.7**
Stddev	6.3	34.1	172.	54.9
%RSD	.31320	.62491	.22184	.55543
#1	2002.3	5482.5	77617.	9915.5
#2	1993.5	5434.2	77374.	9837.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.938%	92.856%	93.904%	100.49%
Range				

Sample Name: 480-59324-a-9-a Acquired: 5/8/2014 16:45:59 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.02446**	**.25402**	**.81281**	**.21579**	**-.00006**	**97.841**	**-.00059**	**.00146**
Stddev	.00047	.00059	.00067	.00036	.00053	.00007	.200	.00010	.00017
%RSD	45.834	2.4112	.26181	.04372	.24551	104.69	.20487	16.843	11.408
#1	.00070	.02404	.25449	.81306	.21617	-.00002	97.983	-.00066	.00134
#2	.00136	.02487	.25355	.81256	.21542	-.00011	97.699	-.00052	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00234**	**.00058**	**96.461**	**36.346**	**.00160**	**16.449**	**.45759**	**-.00014**	**43.977**
Stddev	.00001	.00003	.107	.208	.00002	.021	.00076	.00015	.283
%RSD	.25527	5.1247	.11109	.57160	1.0336	.12940	.16596	107.43	.64241
#1	.00234	.00060	96.537	36.493	.00159	16.434	.45705	-.00003	44.177
#2	.00233	.00056	96.385	36.199	.00161	16.464	.45812	-.00025	43.777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00652**	**.00066**	**1.129**	**-.00017**	**-.00104**	**8.6132**	**.00213**	**.59602**	**.00096**
Stddev	.00023	.00041	.015	.00063	.00281	.0024	.00036	.00036	.00040
%RSD	3.5581	61.950	1.324	362.77	271.16	.02754	16.936	.05985	41.151
#1	.00636	.00095	1.139	-.00062	.00095	8.6149	.00238	.59577	.00068
#2	.00669	.00037	1.118	.00027	-.00303	8.6116	.00187	.59627	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00341**	**.00314**	**.00372**
Stddev	.00082	.00027	.00070
%RSD	24.116	8.6965	18.744
#1	-.00282	.00294	.00322
#2	-.00399	.00333	.00421
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2049.4**	**5564.1**	**78601.**	**10032.**
Stddev	1.1	3.9	297.	2.
%RSD	.05289	.07047	.37843	.01894
#1	2050.2	5561.3	78391.	10034.
#2	2048.7	5566.8	78811.	10031.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.207%	94.655%	95.244%	102.07%
Range				

Sample Name: 480-59324-a-10-a Acquired: 5/8/2014 16:48:44 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.09918**	**.78610**	**.39037**	**.10709**	**-.00003**	**48.289**	F **-.00181**	**.00224**
Stddev	.00013	.02197	.00268	.00008	.00036	.00001	.145	.00003	.00009
%RSD	75.971	22.151	.34092	.02055	.33356	44.644	.29958	1.6851	3.9034
#1	.00027	.11471	.78420	.39042	.10684	-.00002	48.391	-.00179	.00230
#2	.00008	.08364	.78799	.39031	.10735	-.00004	48.186	-.00183	.00218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								4.5000	
Low Limit								-.00100	

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00199**	**.00085**	**41.498**	**22.957**	**.00184**	**12.366**	**.73415**	**.00126**	**36.944**
Stddev	.00019	.00023	.059	.045	.00030	.026	.00037	.00009	.018
%RSD	9.6247	26.845	.14213	.19623	16.382	.21156	.05073	6.8399	.04889
#1	.00185	.00102	41.539	22.988	.00162	12.348	.73389	.00132	36.931
#2	.00212	.00069	41.456	22.925	.00205	12.385	.73442	.00120	36.956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00732**	**.00035**	**.7964**	**-.00071**	**-.00050**	**8.5262**	**.00151**	**.41295**	**.00174**
Stddev	.00017	.00049	.0032	.00048	.00191	.0374	.00016	.00190	.00021
%RSD	2.3658	140.49	.4053	67.001	383.02	.43840	10.285	.46114	12.354
#1	.00720	.00000	.7987	-.00037	-.00185	8.5526	.00162	.41161	.00189
#2	.00744	.00070	.7941	-.00105	.00085	8.4997	.00140	.41430	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00129**	**.00342**	**.00430**
Stddev	.00001	.00019	.00038
%RSD	.42828	5.5195	8.7558
#1	-.00129	.00328	.00457
#2	-.00129	.00355	.00404
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2109.5**	**5644.9**	**79222.**	**9938.8**
Stddev	1.6	12.1	265.	37.9
%RSD	.07700	.21449	.33433	.38131
#1	2108.4	5653.4	79409.	9912.0
#2	2110.7	5636.3	79035.	9965.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.852%	96.029%	95.997%	101.12%
Range				

Sample Name: 480-59324-a-11-a Acquired: 5/8/2014 16:51:29 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00515**	**10.918**	**.70277**	**.24889**	**.09196**	**.00068**	**84.486**	F **-.00137**	**.06342**
Stddev	.00031	.013	.00174	.00139	.00029	.00003	.225	.00002	.00014
%RSD	6.0986	.12138	.24781	.55911	.31073	5.0203	.26583	1.1408	.21906
#1	.00492	10.909	.70400	.24988	.09216	.00065	84.328	-.00136	.06332
#2	.00537	10.927	.70154	.24791	.09175	.00070	84.645	-.00138	.06352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								4.5000	
Low Limit								-.00100	

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01342**	**.01017**	**489.14**	**16.685**	**.01260**	**6.9160**	**2.3275**	**-.00120**	**9.6421**
Stddev	.00031	.00012	.28	.002	.00090	.0202	.0107	.00001	.0425
%RSD	2.2854	1.1707	.05757	.01371	7.1400	.29272	.46008	.83535	.44079
#1	.01364	.01008	489.34	16.686	.01196	6.9017	2.3200	-.00119	9.6121
#2	.01320	.01025	488.94	16.683	.01323	6.9304	2.3351	-.00120	9.6722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04995**	**.00585**	**.5154**	**-.00517**	**.00093**	**26.566**	**.00839**	**.36646**	**.62898**
Stddev	.00005	.00131	.0009	.00032	.00281	.041	.00016	.00013	.00046
%RSD	.09103	22.396	.1653	6.1809	303.76	.15372	1.8591	.03646	.07366
#1	.04992	.00678	.5148	-.00495	-.00106	26.537	.00850	.36636	.62866
#2	.04998	.00493	.5160	-.00540	.00291	26.595	.00828	.36655	.62931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00589**	**.01629**	**.02261**
Stddev	.00052	.00007	.00037
%RSD	8.7950	.40187	1.6357
#1	-.00625	.01634	.02235
#2	-.00552	.01625	.02287
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2063.5**	**5584.2**	**80234.**	**10118.**
Stddev	2.8	41.4	152.	29.
%RSD	.13532	.74068	.18912	.28476
#1	2061.5	5555.0	80341.	10138.
#2	2065.5	5613.5	80126.	10097.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.825%	94.998%	97.223%	102.94%
Range				

Sample Name: 480-59326-f-1-a Acquired: 5/8/2014 16:54:15 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00888**	**.04319**	**.01946**	**.03331**	**-.00011**	**33.335**	**.00002**	**.00634**
Stddev	.00101	.00907	.00117	.00011	.00021	.00001	.046	.00003	.00002
%RSD	920.01	102.18	2.7091	.54249	.63807	9.5661	.13867	144.84	.38987
#1	.00060	.01529	.04402	.01938	.03316	-.00010	33.302	.00004	.00632
#2	-.00082	.00246	.04237	.01953	.03346	-.00012	33.367	-.00000	.00636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00260**	**11.406**	**8.5095**	**.00539**	**8.2027**	**2.9205**	**.00164**	**12.875**
Stddev	.00061	.00012	.077	.0193	.00014	.0131	.0021	.00005	.018
%RSD	128.19	4.4452	.67684	.22723	2.5311	.15988	.07103	3.0709	.13879
#1	.00004	.00252	11.460	8.5232	.00529	8.1935	2.9190	.00161	12.862
#2	.00091	.00268	11.351	8.4959	.00549	8.2120	2.9220	.00168	12.888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01337**	**-.00060**	F **32.64**	**-.00083**	**-.00065**	**11.463**	**-.00008**	**.18496**	**.00048**
Stddev	.00017	.00032	.00	.00119	.00145	.013	.00034	.00269	.00030
%RSD	1.2739	53.189	.0037	143.32	222.62	.11000	415.63	1.4537	62.090
#1	.01349	-.00038	32.64	.00001	.00037	11.454	-.00032	.18686	.00027
#2	.01325	-.00083	32.64	-.00167	-.00168	11.472	.00016	.18306	.00069
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00093**	**.00128**	**.03347**
Stddev	.00119	.00019	.00042
%RSD	128.47	14.556	1.2436
#1	-.00177	.00141	.03317
#2	-.00009	.00115	.03376
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2188.6**	**5771.9**	**80408.**	**9863.2**
Stddev	4.3	11.6	173.	28.3
%RSD	.19459	.20173	.21469	.28723
#1	2191.6	5780.2	80530.	9883.3
#2	2185.6	5763.7	80286.	9843.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.334%	98.191%	97.434%	100.35%
Range				

Sample Name: 480-59326-f-2-a Acquired: 5/8/2014 16:56:59 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01830**	**-.00209**	**.01693**	**.05603**	**.00014**	**8.8065**	**.00001**	**.00130**
Stddev	.00019	.00359	.00136	.00047	.00012	.00003	.0540	.00004	.00000
%RSD	71.425	19.589	65.087	2.7910	.21983	21.214	.61326	724.10	.07184
#1	.00013	.02084	-.00306	.01726	.05595	.00012	8.8447	.00004	.00130
#2	.00041	.01577	-.00113	.01659	.05612	.00017	8.7683	-.00002	.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	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00383**	**.02416**	**1.3600**	**.00465**	**6.2660**	**.02362**	**.00003**	**20.294**
Stddev	.00041	.00010	.00235	.0454	.00006	.0171	.00003	.00019	.025
%RSD	108.41	2.6173	9.7292	3.3379	1.3315	.27366	.13664	549.85	.12387
#1	.00067	.00390	.02583	1.3279	.00470	6.2781	.02360	.00017	20.276
#2	.00009	.00376	.02250	1.3921	.00461	6.2538	.02365	-.00010	20.311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00498**	**-.00092**	**2.252**	**.00030**	**.00131**	**5.2808**	**-.00028**	**.04901**	**.00071**
Stddev	.00057	.00039	.015	.00020	.00172	.0061	.00036	.00021	.00020
%RSD	11.388	42.871	.6786	67.142	131.32	.11529	130.07	.43353	27.522
#1	.00538	-.00119	2.241	.00044	.00253	5.2851	-.00002	.04886	.00085
#2	.00458	-.00064	2.263	.00016	.00009	5.2765	-.00053	.04916	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00065**	**-.00001**	**.01205**
Stddev	.00380	.00039	.00015
%RSD	584.15	3149.9	1.2729
#1	.00204	-.00029	.01216
#2	-.00334	.00026	.01194
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2210.6**	**5773.2**	**81261.**	**10065.**
Stddev	1.9	10.8	486.	84.
%RSD	.08769	.18676	.59780	.83144
#1	2211.9	5765.6	80918.	10005.
#2	2209.2	5780.8	81605.	10124.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.300%	98.213%	98.468%	102.40%
Range				

Sample Name: CCV Acquired: 5/8/2014 16:59:48 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49279**	**25.107**	**.49999**	**.48066**	**.49624**	**.50378**	**25.145**	**.49261**	**.49519**	**.49694**	**.49305**	**25.233**	**24.338**	**.48389**
Stddev	.00046	.084	.00074	.00069	.00059	.00171	.060	.00058	.00002	.00129	.00191	.036	.053	.00046
%RSD	.09243	.33618	.14888	.14287	.11911	.33852	.23917	.11707	.00315	.25861	.38799	.14117	.21694	.09521
#1	.49247	25.167	.50051	.48114	.49583	.50498	25.187	.49220	.49517	.49785	.49441	25.258	24.375	.48422
#2	.49311	25.048	.49946	.48017	.49666	.50257	25.102	.49302	.49520	.49603	.49170	25.208	24.300	.48356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.134**	**.50945**	**.48841**	**24.017**	**.49820**	**.49948**	**24.72**	**.49510**	**.49553**	**24.334**	**.48482**	**.49313**	**.48579**	**.51219**
Stddev	.051	.00109	.00104	.056	.00104	.00253	.06	.00146	.00130	.021	.00056	.00075	.00107	.00182
%RSD	.20289	.21426	.21326	.23221	.20843	.50554	.2478	.29453	.26157	.08485	.11645	.15293	.22013	.35520
#1	25.097	.50868	.48767	23.977	.49894	.50126	24.76	.49613	.49645	24.319	.48442	.49367	.48503	.51090
#2	25.170	.51022	.48914	24.056	.49747	.49769	24.67	.49406	.49462	24.349	.48522	.49260	.48655	.51347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.48913**	**.50581**
Stddev	.00045	.00192
%RSD	.09253	.37863
#1	.48881	.50446
#2	.48945	.50717
Check ?	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	**2127.9**	**5835.7**	**80613.**	**9857.7**
Stddev	2.6	5.8	11.	30.4
%RSD	.12127	.10022	.01402	.30860
#1	2129.7	5839.8	80621.	9836.1
#2	2126.1	5831.6	80605.	9879.2

Sample Name: CCB Acquired: 5/8/2014 17:02:26 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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**	**.01004**	**-.00025**	**.00049**	**.00005**	**.00001**	**-.00047**	**-.00000**	**.00025**	**-.00022**	**-.00037**	**.00592**
Stddev	.00040	.00999	.00087	.00032	.00000	.00006	.00206	.00000	.00011	.00023	.00000	.00186
%RSD	245.88	99.495	344.49	65.537	9.2990	844.77	437.47	146.64	45.984	102.81	.90103	31.389
#1	-.00012	.01711	-.00087	.00072	.00005	.00005	.00098	.00000	.00033	-.00039	-.00037	.00461
#2	.00045	.00298	.00036	.00026	.00004	-.00004	-.00192	-.00001	.00017	-.00006	-.00038	.00723
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01316**	**.00020**	**.00272**	**.00025**	**.00012**	**-.00926**	**.00018**	**-.00033**	**.0008**	**-.00014**	**-.00195**	**.00435**
Stddev	.02355	.00046	.00355	.00001	.00006	.00469	.00019	.00083	.0008	.00043	.00069	.01335
%RSD	178.95	228.37	130.37	4.2147	51.589	50.577	109.16	248.12	93.40	303.62	35.482	307.07
#1	-.00349	-.00012	.00021	.00024	.00008	-.00595	.00031	.00025	.0014	-.00045	-.00244	-.00509
#2	.02981	.00053	.00523	.00025	.00016	-.01258	.00004	-.00092	.0003	.00016	-.00146	.01379
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00011**	**.00031**	**-.00065**	**-.00007**	**-.00012**
Stddev	.00017	.00008	.00008	.00258	.00010	.00035
%RSD	408.54	70.895	26.709	396.12	148.83	286.06
#1	-.00008	.00006	.00037	-.00247	.00000	-.00037
#2	.00016	.00017	.00025	.00117	-.00013	.00012
Check ?	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	**2281.5**	**5910.4**	**83358.**	**10022.**
Stddev	1.4	11.7	165.	58.
%RSD	.06169	.19791	.19831	.57492
#1	2282.5	5918.7	83475.	10063.
#2	2280.5	5902.1	83241.	9981.1

Sample Name: CCVL Acquired: 5/8/2014 17:05:17 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00593**	**.20427**	**.01395**	**.01926**	**.00236**	**.00199**	**.49871**	**.00193**	**.00406**	**.00373**	**.00927**	**.05073**
Stddev	.00034	.00367	.00008	.00051	.00004	.00003	.00564	.00001	.00004	.00003	.00034	.00164
%RSD	5.7713	1.7986	.54748	2.6636	1.8544	1.4021	1.1302	.30945	.92229	.70495	3.6272	3.2329
#1	.00569	.20687	.01401	.01890	.00239	.00197	.50270	.00194	.00408	.00371	.00903	.04957
#2	.00617	.20167	.01390	.01962	.00233	.00201	.49472	.00193	.00403	.00374	.00951	.05189
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41874**	**.02787**	**.20092**	**.00298**	**.00992**	**.91112**	**.00958**	**.00938**	**.2010**	**.02096**	**.02471**	**.49011**
Stddev	.00154	.00094	.00237	.00001	.00002	.01352	.00007	.00022	.0005	.00029	.00106	.00227
%RSD	.36867	3.3757	1.1778	.47851	.18062	1.4834	.77007	2.2982	.2343	1.3954	4.2814	.46319
#1	.41765	.02721	.20259	.00297	.00993	.92067	.00963	.00923	.2007	.02116	.02396	.49171
#2	.41983	.02854	.19925	.00299	.00990	.90156	.00952	.00953	.2014	.02075	.02546	.48850
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00905**	**.00487**	**.00466**	**.02084**	**.00476**	**.01009**
Stddev	.00014	.00004	.00026	.00174	.00003	.00013
%RSD	1.5316	.75928	5.4825	8.3675	.66051	1.2802
#1	.00896	.00489	.00447	.01960	.00474	.01000
#2	.00915	.00484	.00484	.02207	.00478	.01018
Check ?	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	**2290.9**	**5980.6**	**83196.**	**9844.2**
Stddev	3.6	28.6	32.	51.6
%RSD	.15795	.47796	.03809	.52400
#1	2293.5	6000.8	83174.	9807.7
#2	2288.4	5960.4	83219.	9880.7

Sample Name: 480-59354-e-1-a Acquired: 5/8/2014 17:08:08 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.65889**	**.00140**	**.01610**	**.08890**	**.00004**	**10.009**	**.00010**	**.00048**
Stddev	.00033	.00356	.00027	.00002	.00019	.00012	.011	.00006	.00003
%RSD	143.35	.54005	19.257	.10610	.21057	315.55	.10828	57.517	6.5741
#1	.00000	.65637	.00159	.01611	.08903	.00012	10.017	.00014	.00046
#2	-.00047	.66141	.00121	.01609	.08877	-.00005	10.002	.00006	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.00123**	**.36387**	**2.2358**	**.00278**	**6.1106**	**.01992**	**.00046**	**8.8361**
Stddev	.00006	.00026	.00012	.0242	.00014	.0167	.00012	.00016	.0067
%RSD	4.5061	21.182	.03353	1.0843	4.9092	.27351	.62014	34.346	.07629
#1	.00122	.00105	.36378	2.2187	.00268	6.0988	.01984	.00035	8.8313
#2	.00130	.00141	.36396	2.2530	.00287	6.1224	.02001	.00057	8.8409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00200**	**-.00022**	**3.353**	**.00006**	**.00130**	**7.9738**	**-.00045**	**.06353**	**.01209**
Stddev	.00060	.00024	.008	.00100	.00053	.0065	.00043	.00011	.00141
%RSD	30.013	110.80	.2326	1675.1	40.383	.08155	95.587	.17417	11.630
#1	.00158	-.00005	3.348	.00077	.00093	7.9784	-.00015	.06345	.01308
#2	.00243	-.00039	3.359	-.00065	.00168	7.9692	-.00076	.06361	.01109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00189**	**.00066**	**.01150**
Stddev	.00135	.00008	.00045
%RSD	71.716	11.339	3.8850
#1	-.00093	.00061	.01119
#2	-.00284	.00071	.01182
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2232.8**	**5857.9**	**81982.**	**10163.**
Stddev	.9	1.0	148.	2.
%RSD	.03923	.01639	.18042	.02434
#1	2232.2	5858.6	82087.	10161.
#2	2233.4	5857.2	81878.	10165.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.277%	99.653%	99.342%	103.40%
Range				

Sample Name: 480-59354-e-2-a Acquired: 5/8/2014 17:10:56 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01022**	**.00066**	**.02218**	**.00352**	**-.00003**	**31.446**	**-.00001**	**.00142**
Stddev	.00017	.01160	.00037	.00037	.00000	.00004	.234	.00010	.00003
%RSD	127.27	113.48	55.671	1.6691	.08675	149.54	.74458	935.02	1.8513
#1	.00001	.01842	.00040	.02244	.00352	.00000	31.612	.00006	.00144
#2	.00026	.00202	.00091	.02192	.00352	-.00006	31.280	-.00008	.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	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00202**	**.11171**	**14.658**	**.00476**	**8.0290**	**.01591**	**.00162**	**52.199**
Stddev	.00007	.00015	.00308	.071	.00028	.0180	.00003	.00014	.235
%RSD	11.181	7.2133	2.7547	.48766	5.9548	.22390	.21228	8.3641	.44986
#1	.00063	.00192	.11388	14.607	.00497	8.0163	.01593	.00172	52.033
#2	.00054	.00213	.10953	14.708	.00456	8.0418	.01589	.00152	52.365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01004**	**.00079**	F **37.22**	**-.00051**	**.00024**	**8.7856**	**.00165**	**.16089**	**.00182**
Stddev	.00021	.00023	.14	.00040	.00243	.0229	.00052	.00047	.00016
%RSD	2.0850	29.042	.3702	78.002	993.56	.26106	31.637	.28953	8.8179
#1	.01019	.00063	37.13	-.00079	.00196	8.8019	.00128	.16057	.00193
#2	.00990	.00095	37.32	-.00023	-.00147	8.7694	.00202	.16122	.00170
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00002**	**.00052**	**.01165**
Stddev	.00005	.00017	.00023
%RSD	239.10	32.346	1.9402
#1	-.00006	.00040	.01149
#2	.00001	.00064	.01181
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2138.3**	**5675.6**	**79966.**	**10042.**
Stddev	.1	9.9	549.	88.
%RSD	.00431	.17407	.68657	.87325
#1	2138.2	5668.6	80354.	9979.7
#2	2138.3	5682.6	79578.	10104.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.118%	96.552%	96.898%	102.17%
Range				

Sample Name: 480-59354-e-3-a Acquired: 5/8/2014 17:13:43 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01105**	**-.00160**	**.01112**	**.12023**	**-.00001**	**10.331**	**.00006**	**.00012**
Stddev	.00010	.00366	.00069	.00023	.00023	.00002	.087	.00003	.00010
%RSD	16.607	33.140	42.882	2.0447	.19061	246.31	.83957	46.948	82.777
#1	.00052	.00846	-.00112	.01096	.12039	.00001	10.270	.00004	.00005
#2	.00066	.01365	-.00209	.01128	.12006	-.00002	10.393	.00008	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00034**	**.00910**	**3.1192**	**.00373**	**6.8342**	**.00020**	**.00008**	**9.0315**
Stddev	.00028	.00027	.00001	.0541	.00007	.0111	.00000	.00017	.0413
%RSD	83.799	78.684	.12368	1.7359	1.9118	.16201	.49837	202.39	.45785
#1	.00053	.00053	.00911	3.1575	.00378	6.8420	.00020	-.00004	9.0022
#2	.00014	.00015	.00909	3.0810	.00368	6.8264	.00019	.00021	9.0607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00154**	**-.00013**	**3.617**	**.00099**	**-.00226**	**8.9715**	**-.00006**	**.07383**	**.00045**
Stddev	.00011	.00046	.031	.00069	.00205	.0409	.00006	.00015	.00014
%RSD	7.2270	347.59	.8678	69.728	90.720	.45558	98.172	.19751	31.034
#1	.00146	.00019	3.594	.00148	-.00081	8.9426	-.00002	.07372	.00035
#2	.00162	-.00046	3.639	.00050	-.00371	9.0004	-.00010	.07393	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00071**	**.00010**	**.00700**
Stddev	.00206	.00008	.00070
%RSD	288.70	79.113	9.9420
#1	-.00217	.00016	.00750
#2	.00074	.00005	.00651
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2237.4**	**5851.5**	**81519.**	**9829.7**
Stddev	6.7	46.9	31.	75.5
%RSD	.29941	.80226	.03851	.76856
#1	2242.1	5884.7	81541.	9883.2
#2	2232.7	5818.3	81497.	9776.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.481%	99.545%	98.780%	100.01%
Range				

Sample Name: 480-59354-e-4-a Acquired: 5/8/2014 17:16:29 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00894**	**-.00090**	**.01182**	**.10970**	**-.00001**	**14.269**	**-.00001**	**.00031**
Stddev	.00048	.01364	.00072	.00030	.00023	.00001	.049	.00004	.00011
%RSD	209.76	152.59	79.569	2.5211	.20787	111.51	.34496	299.58	35.744
#1	.00057	-.00071	-.00039	.01203	.10986	-.00000	14.304	-.00004	.00023
#2	-.00011	.01859	-.00141	.01161	.10954	-.00001	14.235	.00002	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**-.00014**	**.00162**	**3.3424**	**.00652**	**9.2760**	**-.00030**	**.00003**	**9.8443**
Stddev	.00008	.00020	.00407	.0019	.00101	.0415	.00004	.00006	.0609
%RSD	15.201	147.83	251.40	.05752	15.458	.44749	12.901	171.29	.61905
#1	.00061	.00001	.00450	3.3437	.00581	9.3053	-.00033	-.00001	9.8012
#2	.00049	-.00028	-.00126	3.3410	.00723	9.2466	-.00027	.00007	9.8874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.00148**	**4.489**	**-.00049**	**-.00061**	**10.664**	**-.00014**	**.08383**	**.00040**
Stddev	.00019	.00050	.036	.00184	.00042	.019	.00002	.00005	.00021
%RSD	39.446	34.084	.8129	372.84	68.610	.17970	13.260	.05575	53.783
#1	.00034	-.00184	4.515	.00081	-.00091	10.677	-.00013	.08386	.00025
#2	.00061	-.00112	4.463	-.00180	-.00032	10.650	-.00015	.08379	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00084**	**.00010**	**.00504**
Stddev	.00015	.00028	.00056
%RSD	18.148	279.63	11.064
#1	.00094	.00030	.00465
#2	.00073	-.00010	.00544
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2213.7**	**5823.0**	**81930.**	**10066.**
Stddev	.1	21.6	644.	64.
%RSD	.00447	.37143	.78580	.63533
#1	2213.6	5807.7	81475.	10020.
#2	2213.7	5838.3	82385.	10111.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.436%	99.060%	99.278%	102.41%
Range				

Sample Name: 480-59354-e-5-a Acquired: 5/8/2014 17:19:16 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.52293**	**-.00010**	**.00494**	**.04032**	**-.00005**	**5.7615**	**.00001**	**.00033**
Stddev	.00019	.00850	.00107	.00030	.00002	.00003	.0331	.00001	.00002
%RSD	144.22	1.6250	1079.0	6.1528	.05854	52.297	.57438	94.050	4.6120
#1	-.00026	.51692	.00066	.00472	.04034	-.00003	5.7849	.00000	.00034
#2	.00000	.52894	-.00085	.00515	.04031	-.00007	5.7381	.00002	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**.00497**	**.26473**	**1.5750**	**.01350**	**8.0978**	**.00598**	**.00023**	**9.5748**
Stddev	.00027	.00003	.00096	.0002	.00052	.0111	.00000	.00007	.0235
%RSD	24.320	.51561	.36131	.01532	3.8173	.13692	.01538	31.916	.24545
#1	.00091	.00495	.26540	1.5751	.01314	8.1056	.00598	.00029	9.5914
#2	.00128	.00499	.26405	1.5748	.01386	8.0899	.00598	.00018	9.5582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00127**	**-.00025**	**.9178**	**-.00127**	**.00100**	**15.154**	**-.00003**	**.04784**	**.00816**
Stddev	.00009	.00071	.0052	.00108	.00122	.069	.00024	.00020	.00073
%RSD	6.8073	287.37	.5709	85.139	122.10	.45789	717.42	.41252	8.9277
#1	.00121	-.00075	.9141	-.00203	.00014	15.203	-.00020	.04798	.00765
#2	.00133	.00026	.9215	-.00050	.00187	15.105	.00014	.04770	.00868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00239**	**.00058**	**.00611**
Stddev	.00047	.00013	.00033
%RSD	19.807	22.335	5.4206
#1	-.00273	.00067	.00635
#2	-.00206	.00048	.00588
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2229.2**	**5856.2**	**81889.**	**9999.7**
Stddev	3.8	12.0	203.	45.0
%RSD	.17023	.20558	.24764	.45045
#1	2231.8	5847.6	81745.	9967.8
#2	2226.5	5864.7	82032.	10032.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.118%	99.624%	99.228%	101.74%
Range				

Sample Name: 480-59373-a-1-a Acquired: 5/8/2014 17:22:04 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01609**	**-.00070**	**.01537**	**.01628**	**-.00021**	**29.910**	**.00004**	**.00011**
Stddev	.00056	.00408	.00210	.00019	.00009	.00003	.168	.00006	.00001
%RSD	558.40	25.367	301.74	1.2055	.55555	13.017	.56316	165.45	13.449
#1	.00030	.01897	.00079	.01551	.01622	-.00022	29.790	.00008	.00012
#2	-.00050	.01320	-.00218	.01524	.01635	-.00019	30.029	-.00001	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.01167**	**.00076**	**1.1906**	**.00255**	**8.2223**	**-.00017**	**.00077**	**11.585**
Stddev	.00010	.00003	.00148	.0382	.00039	.0260	.00005	.00033	.038
%RSD	23.627	.21914	193.44	3.2081	15.172	.31638	30.009	41.982	.32657
#1	.00035	.01169	-.00028	1.2176	.00227	8.2407	-.00021	.00054	11.558
#2	.00049	.01165	.00181	1.1635	.00282	8.2039	-.00014	.00100	11.611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00024**	**6.482**	**.00086**	**-.00050**	**.48479**	**.00001**	**.13548**	**.00044**
Stddev	.00024	.00023	.029	.00039	.00146	.00661	.00032	.00080	.00026
%RSD	35.130	96.913	.4407	45.380	292.45	1.3634	2264.4	.59284	59.524
#1	.00051	.00008	6.502	.00114	-.00153	.48012	.00024	.13605	.00062
#2	.00085	.00040	6.462	.00059	.00053	.48947	-.00021	.13491	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00165**	**-.00010**	**.00545**
Stddev	.00194	.00008	.00036
%RSD	117.57	76.426	6.5582
#1	-.00302	-.00005	.00571
#2	-.00028	-.00016	.00520
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2192.0**	**5753.3**	**81377.**	**9945.0**
Stddev	.3	14.4	136.	55.4
%RSD	.01313	.24992	.16759	.55684
#1	2191.8	5763.5	81474.	9984.2
#2	2192.2	5743.1	81281.	9905.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.483%	97.874%	98.608%	101.18%
Range				

Sample Name: 480-59386-j-1-a Acquired: 5/8/2014 17:24:52 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.05719**	**-.00054**	**.01192**	**.02534**	**-.00004**	**24.999**	**.00011**	**.00029**
Stddev	.00030	.00184	.00163	.00017	.00003	.00013	.154	.00004	.00003
%RSD	69.908	3.2096	305.31	1.4376	.10708	339.97	.61470	35.188	10.926
#1	.00063	.05589	.00062	.01204	.02536	.00005	24.891	.00014	.00031
#2	.00021	.05849	-.00169	.01180	.02532	-.00013	25.108	.00009	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00187**	**.79549**	**4.0743**	**.00017**	**2.1518**	**.01879**	**-.00001**	**4.2385**
Stddev	.00027	.00018	.01010	.0799	.00016	.0042	.00002	.00008	.0266
%RSD	57.071	9.6546	1.2702	1.9620	90.812	.19615	.11964	941.69	.62772
#1	.00067	.00174	.80263	4.1308	.00028	2.1488	.01881	.00005	4.2573
#2	.00028	.00200	.78834	4.0178	.00006	2.1548	.01877	-.00007	4.2197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00055**	**1.268**	**-.00043**	**-.00144**	**3.2338**	**-.00012**	**.06529**	**.00186**
Stddev	.00016	.00037	.006	.00048	.00302	.0063	.00002	.00026	.00024
%RSD	27.617	66.988	.4905	112.23	209.20	.19398	19.106	.40140	13.153
#1	.00047	.00029	1.263	-.00009	-.00357	3.2382	-.00010	.06548	.00169
#2	.00070	.00082	1.272	-.00077	.00069	3.2293	-.00013	.06511	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00039**	**.00056**	**.03391**
Stddev	.00159	.00005	.00093
%RSD	404.45	9.1079	2.7418
#1	.00073	.00053	.03325
#2	-.00152	.00060	.03457
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2223.5**	**5816.2**	**81308.**	**9888.6**
Stddev	3.7	25.9	289.	53.8
%RSD	.16426	.44486	.35519	.54456
#1	2226.1	5834.5	81104.	9926.7
#2	2220.9	5797.9	81512.	9850.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.869%	98.944%	98.525%	100.61%
Range				

Sample Name: BLANK Acquired: 5/8/2014 17:27:40 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00306**	**-.00154**	**-.00008**	**.00030**	**-.00012**	**.01849**	**-.00001**	**.00015**
Stddev	.00009	.00662	.00286	.00030	.00001	.00005	.00403	.00009	.00007
%RSD	17.647	216.02	185.42	369.76	2.2033	40.361	21.777	1109.3	49.981
#1	.00058	.00774	.00048	-.00030	.00030	-.00008	.02134	.00006	.00010
#2	.00045	-.00162	-.00356	.00013	.00031	-.00015	.01565	-.00007	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00042**	**-.00059**	**-.02513**	**.00051**	**.00812**	**.00010**	**-.00001**	**-.00281**
Stddev	.00021	.00005	.00266	.00312	.00074	.00393	.00005	.00008	.00308
%RSD	130.18	12.978	449.86	12.424	145.12	48.424	50.000	591.82	109.57
#1	.00001	-.00038	.00129	-.02733	-.00001	.00534	.00014	.00004	-.00498
#2	.00031	-.00046	-.00247	-.02292	.00103	.01090	.00007	-.00007	-.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	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00052**	**.0017**	**.00053**	**.00086**	**.02630**	**-.00016**	**.00009**	**-.00000**
Stddev	.00002	.00052	.0033	.00079	.00254	.00763	.00021	.00004	.00001
%RSD	8.7540	100.48	198.4	147.10	296.40	29.019	127.02	45.702	345.74
#1	.00022	.00015	.0040	-.00002	-.00094	.03169	-.00031	.00011	.00000
#2	.00019	.00089	-.0007	.00109	.00265	.02090	-.00002	.00006	-.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00026**	**-.00021**	**.00020**
Stddev	.00025	.00022	.00007
%RSD	95.129	105.75	34.103
#1	-.00043	-.00036	.00025
#2	-.00008	-.00005	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2279.8**	**5964.3**	**82599.**	**9800.3**
Stddev	.7	6.9	121.	54.5
%RSD	.03277	.11625	.14705	.55607
#1	2280.3	5969.2	82513.	9838.8
#2	2279.3	5959.4	82685.	9761.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.35%	101.46%	100.09%	99.710%
Range				

Sample Name: 480-59247-b-1-cSD@5 Acquired: 5/8/2014 17:30:30 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.05085**	**.00071**	**.01791**	**.07672**	**-.00013**	**157.27**	**.00042**	**.00176**
Stddev	.00009	.00420	.00125	.00001	.00010	.00006	1.33	.00004	.00011
%RSD	18.448	8.2648	175.22	.03349	.12871	46.227	.84294	10.589	6.4071
#1	-.00054	.04788	-.00017	.01791	.07679	-.00017	156.33	.00039	.00168
#2	-.00041	.05383	.00159	.01790	.07665	-.00009	158.21	.00045	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00090**	**.07930**	**.50560**	**.00263**	**3.5602**	**.73578**	**.00027**	**282.79**
Stddev	.00014	.00018	.00122	.05860	.00104	.0069	.00121	.00002	2.00
%RSD	26.497	19.761	1.5398	11.590	39.720	.19497	.16424	6.2812	.70826
#1	.00044	.00103	.07844	.54704	.00337	3.5553	.73493	.00028	281.37
#2	.00064	.00078	.08017	.46416	.00189	3.5651	.73664	.00026	284.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00322**	**-.00038**	**.3513**	**.00113**	**.00059**	**.62680**	**-.00025**	**.18925**	**.00221**
Stddev	.00017	.00034	.0057	.00014	.00056	.01315	.00018	.00079	.00089
%RSD	5.2287	87.836	1.615	12.258	95.932	2.0976	71.219	.41828	40.271
#1	.00310	-.00062	.3554	.00122	.00099	.63609	-.00013	.18869	.00283
#2	.00334	-.00015	.3473	.00103	.00019	.61750	-.00038	.18980	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00132**	**.00042**	**.00610**
Stddev	.00115	.00009	.00052
%RSD	87.121	21.724	8.5330
#1	-.00051	.00036	.00573
#2	-.00214	.00049	.00647
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1933.6**	**5439.6**	**75547.**	**9931.2**
Stddev	.8	5.6	145.	70.4
%RSD	.03897	.10239	.19153	.70901
#1	1934.1	5443.5	75650.	9981.0
#2	1933.1	5435.6	75445.	9881.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.108%	92.537%	91.544%	101.04%
Range				

Sample Name: CCV Acquired: 5/8/2014 17:33:25 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48945**	**25.154**	**.50441**	**.48532**	**.50261**	**.50453**	**24.674**	**.49212**	**.49176**	**.49262**	**.49693**	**25.018**	**24.595**	**.49495**
Stddev	.00177	.027	.00253	.00102	.00089	.00114	.034	.00007	.00157	.00205	.00126	.064	.001	.00013
%RSD	.36162	.10579	.50153	.21015	.17777	.22635	.13665	.01498	.31854	.41539	.25427	.25723	.00576	.02609
#1	.49070	25.135	.50620	.48604	.50198	.50372	24.650	.49217	.49065	.49407	.49783	24.973	24.594	.49486
#2	.48820	25.173	.50263	.48460	.50324	.50534	24.698	.49207	.49287	.49118	.49604	25.064	24.596	.49504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.729**	**.50353**	**.49023**	**24.303**	**.49767**	**.49261**	**24.92**	**.50350**	**.50227**	**24.198**	**.47600**	**.49619**	**.47959**	**.50482**
Stddev	.068	.00086	.00006	.050	.00207	.00227	.14	.00237	.00465	.047	.00223	.00069	.00102	.00373
%RSD	.27650	.17072	.01141	.20523	.41566	.46133	.5489	.47095	.92520	.19588	.46895	.13816	.21309	.73846
#1	24.777	.50414	.49027	24.339	.49621	.49100	25.02	.50517	.50556	24.164	.47442	.49570	.48032	.50746
#2	24.681	.50293	.49019	24.268	.49913	.49422	24.82	.50182	.49898	24.231	.47758	.49667	.47887	.50219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.48505**	**.48985**
Stddev	.00112	.00027
%RSD	.23126	.05552
#1	.48584	.49004
#2	.48425	.48965
Check ?	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	**2113.8**	**5764.4**	**81014.**	**10086.**
Stddev	1.9	6.9	229.	32.
%RSD	.09199	.11928	.28288	.31626
#1	2115.2	5759.5	80852.	10108.
#2	2112.5	5769.3	81176.	10063.

Sample Name: CCB Acquired: 5/8/2014 17:36:00 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00017**	**.00743**	**-.00045**	**.00053**	**.00006**	**-.00007**	**.00632**	**.00007**	**.00017**	**-.00002**	**-.00055**	**.00184**
Stddev	.00013	.00133	.00532	.00027	.00001	.00009	.00132	.00001	.00008	.00040	.00010	.00003
%RSD	74.681	17.919	1177.9	50.174	16.555	127.78	20.902	11.499	46.995	2244.7	18.611	1.8783
#1	.00026	.00837	.00331	.00034	.00005	-.00013	.00725	.00006	.00022	-.00030	-.00062	.00182
#2	.00008	.00649	-.00421	.00072	.00006	-.00001	.00538	.00007	.00011	.00027	-.00048	.00187
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00138**	**-.00003**	**.00768**	**.00014**	**.00016**	**.00360**	**.00018**	**.00039**	**-.0017**	**.00078**	**.00135**	**.01810**
Stddev	.01754	.00062	.00062	.00002	.00007	.00085	.00008	.00023	.0005	.00008	.00053	.00836
%RSD	1273.5	2165.2	8.0226	13.606	43.808	23.488	42.875	58.027	28.10	10.378	39.446	46.188
#1	.01378	-.00047	.00724	.00015	.00021	.00301	.00024	.00023	-.0014	.00084	.00097	.01219
#2	-.01103	.00041	.00811	.00012	.00011	.00420	.00013	.00055	-.0020	.00073	.00173	.02401
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00006**	**.00018**	**-.00179**	**-.00017**	**.00027**
Stddev	.00027	.00003	.00003	.00143	.00025	.00024
%RSD	324.19	58.833	14.108	79.885	143.33	87.286
#1	.00011	.00003	.00016	-.00280	.00000	.00010
#2	-.00027	.00008	.00020	-.00078	-.00034	.00044
Check ?	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	**2278.9**	**5933.4**	**83118.**	**10022.**
Stddev	3.5	27.5	184.	107.
%RSD	.15426	.46425	.22197	1.0715
#1	2281.4	5952.9	82987.	10098.
#2	2276.4	5913.9	83248.	9946.2

Sample Name: CCVL Acquired: 5/8/2014 17:38:51 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00594**	**.20601**	**.01474**	**.01888**	**.00235**	**.00200**	**.49061**	**.00193**	**.00418**	**.00417**	**.00951**	**.04910**
Stddev	.00098	.01532	.00098	.00017	.00002	.00003	.00464	.00008	.00001	.00018	.00020	.00070
%RSD	16.569	7.4371	6.6180	.90271	.97569	1.3214	.94554	3.9145	.23744	4.4161	2.1047	1.4340
#1	.00525	.19518	.01405	.01900	.00234	.00202	.48733	.00198	.00418	.00404	.00965	.04860
#2	.00664	.21684	.01543	.01876	.00237	.00198	.49389	.00187	.00419	.00430	.00937	.04960
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42362**	**.02897**	**.19792**	**.00293**	**.00979**	**.94465**	**.00999**	**.01009**	**.1990**	**.02042**	**.02451**	**.47914**
Stddev	.03813	.00058	.00166	.00000	.00009	.00472	.00027	.00077	.0019	.00091	.00270	.00561
%RSD	9.0008	1.9892	.83865	.02353	.89416	.49924	2.6719	7.6366	.9630	4.4752	11.010	1.1709
#1	.39666	.02938	.19909	.00293	.00985	.94799	.00980	.01063	.1976	.02106	.02260	.47517
#2	.45058	.02856	.19675	.00293	.00973	.94132	.01018	.00954	.2004	.01977	.02641	.48310
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00933**	**.00490**	**.00463**	**.01761**	**.00474**	**.00931**
Stddev	.00044	.00004	.00027	.00216	.00037	.00046
%RSD	4.6796	.78925	5.8759	12.258	7.7202	4.9189
#1	.00903	.00487	.00482	.01608	.00500	.00963
#2	.00964	.00492	.00443	.01913	.00448	.00898
Check ?	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	**2291.5**	**5983.4**	**82638.**	**10059.**
Stddev	2.5	1.9	246.	50.
%RSD	.10751	.03173	.29770	.50007
#1	2293.2	5984.8	82812.	10095.
#2	2289.7	5982.1	82464.	10024.

Sample Name: lcssrm 480-180018/2- Acquired: 5/8/2014 17:41:41 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.71196**	**74.113**	**.96212**	**1.0978**	**2.1842**	**.62460**	**84.180**	**1.5044**	**2.2415**
Stddev	.00254	.328	.00219	.0011	.0062	.00050	.056	.0006	.0024
%RSD	.35669	.44190	.22809	.09944	.28460	.07951	.06622	.03682	.10466
#1	.71376	74.345	.96057	1.0986	2.1886	.62425	84.220	1.5040	2.2398
#2	.71017	73.882	.96367	1.0970	2.1798	.62496	84.141	1.5048	2.2431
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.88572**	**2.8933**	**106.87**	**24.501**	**.07495**	**27.256**	**4.3531**	**1.1158**	**10.989**
Stddev	.00359	.0078	.28	.096	.00083	.091	.0107	.0014	.071
%RSD	.40536	.26927	.26260	.39310	1.1104	.33472	.24599	.12937	.64365
#1	.88825	2.8988	107.07	24.569	.07553	27.321	4.3606	1.1168	11.039
#2	.88318	2.8878	106.67	24.433	.07436	27.192	4.3455	1.1148	10.939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6628**	**1.0781**	**2.462**	**.92494**	**1.3686**	**41.850**	**1.6033**	**1.7791**	**2.6636**
Stddev	.0016	.0016	.006	.00255	.0040	.313	.0012	.0002	.0056
%RSD	.05911	.15251	.2397	.27517	.28994	.74839	.07547	.01070	.20819
#1	2.6617	1.0770	2.466	.92674	1.3714	42.072	1.6025	1.7793	2.6676
#2	2.6639	1.0793	2.458	.92314	1.3658	41.629	1.6042	1.7790	2.6597
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**1.6083**	**1.5840**	**1.2732**
Stddev	.0067	.0088	.0072
%RSD	.41931	.55660	.56897
#1	1.6035	1.5902	1.2783
#2	1.6131	1.5777	1.2680
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2049.2**	**5933.5**	**83233.**	**10302.**
Stddev	.5	6.3	334.	2.
%RSD	.02554	.10684	.40182	.02261
#1	2048.9	5929.0	82996.	10304.
#2	2049.6	5937.9	83469.	10301.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.198%	100.94%	100.86%	104.82%
Range				

Sample Name: lcdsrm 480-180018/3- Acquired: 5/8/2014 17:44:20 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.63431**	**68.480**	**.87874**	**.98805**	**2.0191**	**.56008**	**72.098**	**1.3259**	**1.9894**
Stddev	.00643	.098	.00698	.00323	.0001	.00008	.111	.0001	.0043
%RSD	1.0143	.14364	.79459	.32666	.00371	.01440	.15433	.00831	.21643
#1	.63886	68.549	.87380	.98576	2.0191	.56013	72.177	1.3260	1.9925
#2	.62976	68.410	.88368	.99033	2.0192	.56002	72.020	1.3259	1.9864
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.80327**	**2.5499**	**99.942**	**22.301**	**.06843**	**24.851**	**3.9042**	**.97773**	**9.8571**
Stddev	.00658	.0342	.161	.029	.00015	.261	.0426	.00163	.0115
%RSD	.81948	1.3410	.16078	.12848	.21903	1.0514	1.0922	.16704	.11678
#1	.80793	2.5741	100.06	22.321	.06833	25.036	3.9344	.97657	9.8653
#2	.79862	2.5258	99.828	22.281	.06854	24.666	3.8741	.97888	9.8490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3376**	**.96350**	**2.154**	**.86865**	**1.2381**	**33.090**	**1.4438**	**1.5674**	**2.4507**
Stddev	.0043	.00251	.002	.00508	.0057	.286	.0087	.0025	.0273
%RSD	.18535	.26092	.0837	.58429	.45909	.86338	.60522	.15812	1.1143
#1	2.3406	.96528	2.153	.86506	1.2341	33.292	1.4500	1.5656	2.4700
#2	2.3345	.96172	2.156	.87224	1.2422	32.888	1.4376	1.5691	2.4314
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**1.4578**	**1.4312**	**1.1659**
Stddev	.0040	.0150	.0072
%RSD	.27434	1.0446	.61742
#1	1.4606	1.4418	1.1709
#2	1.4549	1.4206	1.1608
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2070.4**	**5929.2**	**83291.**	**10312.**
Stddev	3.3	22.1	781.	2.
%RSD	.15713	.37304	.93725	.02327
#1	2072.7	5944.8	82739.	10310.
#2	2068.1	5913.5	83843.	10314.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.130%	100.87%	100.93%	104.92%
Range				

Sample Name: BLANK Acquired: 5/8/2014 17:46:58 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00694**	**-.00018**	**.00143**	**.00038**	**-.00006**	**-.00114**	**.00003**	**.00003**
Stddev	.00062	.00894	.00017	.00045	.00013	.00008	.00032	.00004	.00005
%RSD	141.63	128.86	91.019	31.825	35.553	135.82	28.318	169.66	165.40
#1	-.00000	.00062	-.00007	.00175	.00028	-.00000	-.00137	.00006	-.00001
#2	.00088	.01326	-.00030	.00111	.00047	-.00011	-.00091	-.00001	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00022**	**-.00011**	**-.03751**	**.00124**	**.00232**	**.00022**	**.00020**	**-.00272**
Stddev	.00024	.00035	.00331	.00021	.00086	.00081	.00025	.00019	.00361
%RSD	279.01	156.91	2915.6	.55814	69.321	34.742	115.83	98.338	132.89
#1	.00009	-.00002	.00223	-.03766	.00063	.00175	.00004	.00006	-.00016
#2	-.00026	.00047	-.00246	-.03736	.00184	.00289	.00040	.00033	-.00527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00019**	**-.0013**	**.00189**	**.00029**	**.02521**	**.00013**	**.00011**	**.00052**
Stddev	.00031	.00043	.0041	.00037	.00314	.00034	.00015	.00004	.00053
%RSD	122.25	225.87	305.1	19.680	1098.3	1.3498	117.56	39.177	101.72
#1	.00047	-.00011	-.0042	.00215	.00251	.02497	.00024	.00014	.00015
#2	.00003	.00050	.0015	.00162	-.00194	.02545	.00002	.00008	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00183**	**.00021**	**.00039**
Stddev	.00140	.00004	.00038
%RSD	76.274	21.096	97.621
#1	-.00282	.00018	.00066
#2	-.00084	.00024	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2287.3**	**5897.3**	**83051.**	**10135.**
Stddev	1.9	10.2	236.	13.
%RSD	.08451	.17343	.28388	.12892
#1	2288.6	5904.5	83218.	10126.
#2	2285.9	5890.0	82885.	10145.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.68%	100.32%	100.64%	103.12%
Range				

Sample Name: mb 480-179659/30-b Acquired: 5/8/2014 17:49:48 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00921**	**-.00047**	**.00175**	**.00033**	**-.00003**	**.02805**	**-.00006**	**.00019**
Stddev	.00035	.00260	.00224	.00008	.00002	.00005	.00747	.00011	.00005
%RSD	64.112	28.220	478.24	4.6438	7.5146	152.71	26.635	171.40	25.407
#1	.00078	.00737	-.00205	.00181	.00034	.00000	.03334	-.00014	.00015
#2	.00029	.01105	.00112	.00169	.00031	-.00007	.02277	.00001	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00033**	**.01498**	**-.01223**	**-.00054**	**.00768**	**.00033**	**-.00009**	**-.00994**
Stddev	.00004	.00019	.00871	.00667	.00001	.00010	.00005	.00009	.00527
%RSD	10.770	57.467	58.119	54.537	1.1926	1.3127	16.784	101.45	52.989
#1	.00033	.00020	.02114	-.00751	-.00054	.00775	.00037	-.00015	-.00622
#2	.00039	.00047	.00882	-.01695	-.00053	.00761	.00029	-.00002	-.01367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00057**	**.0021**	**.00121**	**-.00012**	**.05701**	**-.00014**	**.00039**	**.00027**
Stddev	.00024	.00015	.0011	.00104	.00052	.01064	.00059	.00012	.00008
%RSD	227.58	26.881	53.14	85.516	447.02	18.658	425.82	31.680	29.096
#1	-.00007	-.00047	.0013	.00048	-.00048	.04949	-.00055	.00048	.00032
#2	.00028	-.00068	.0029	.00194	.00025	.06453	.00028	.00030	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00073**	**-.00011**	**.00156**
Stddev	.00083	.00015	.00079
%RSD	113.40	131.45	50.433
#1	-.00132	-.00001	.00100
#2	-.00014	-.00022	.00211
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2281.6**	**5879.5**	**83371.**	**10056.**
Stddev	6.8	29.9	586.	41.
%RSD	.29943	.50830	.70277	.41259
#1	2286.4	5900.7	83786.	10026.
#2	2276.8	5858.4	82957.	10085.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.43%	100.02%	101.02%	102.31%
Range				

Sample Name: lcs 480-179659/31-b Acquired: 5/8/2014 17:52:38 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05003**	**10.537**	**.20750**	**.20358**	**.21039**	**.20829**	**9.9024**	**.20151**	**.20079**
Stddev	.00011	.091	.00225	.00049	.00019	.00145	.0931	.00003	.00009
%RSD	.21876	.86141	1.0823	.24087	.09217	.69841	.94072	.01542	.04377
#1	.05011	10.473	.20591	.20392	.21025	.20727	9.8365	.20153	.20073
#2	.04995	10.601	.20909	.20323	.21052	.20932	9.9683	.20148	.20086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20332**	**.20780**	**10.244**	**9.9948**	**.20353**	**10.213**	**.20466**	**.20273**	**9.9627**
Stddev	.00046	.00045	.065	.0426	.00108	.028	.00091	.00022	.0186
%RSD	.22748	.21520	.63836	.42654	.52933	.27189	.44460	.10896	.18657
#1	.20365	.20748	10.198	9.9647	.20276	10.233	.20531	.20288	9.9495
#2	.20299	.20812	10.290	10.025	.20429	10.194	.20402	.20257	9.9758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19727**	**.19746**	**10.07**	**.20908**	**.20527**	**10.222**	**.18816**	**.20528**	**.19367**
Stddev	.00057	.00108	.01	.00232	.00138	.047	.00204	.00009	.00025
%RSD	.28745	.54529	.1489	1.1080	.67208	.46228	1.0867	.04616	.12822
#1	.19687	.19823	10.06	.20744	.20430	10.188	.18961	.20522	.19384
#2	.19767	.19670	10.08	.21072	.20625	10.255	.18672	.20535	.19349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.21208**	**.20548**	**.19306**
Stddev	.00102	.00097	.00246
%RSD	.48189	.47170	1.2726
#1	.21136	.20617	.19480
#2	.21281	.20480	.19132
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2196.5**	**5799.7**	**82339.**	**10182.**
Stddev	4.9	18.3	194.	68.
%RSD	.22495	.31588	.23600	.67181
#1	2200.0	5812.6	82202.	10230.
#2	2193.0	5786.7	82476.	10134.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.681%	98.663%	99.774%	103.59%
Range				

Sample Name: 480-59300-g-1-a Acquired: 5/8/2014 17:55:18 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02451**	**.02235**	**.14420**	**.10301**	**-.00005**	**73.561**	**.00003**	**.00022**
Stddev	.00007	.00488	.00110	.00126	.00001	.00006	.006	.00008	.00001
%RSD	22.080	19.918	4.9217	.87209	.00641	128.94	.00835	269.10	4.6410
#1	.00036	.02106	.02157	.14331	.10302	-.00009	73.557	-.00003	.00023
#2	.00027	.02796	.02313	.14509	.10301	-.00000	73.565	.00009	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00027**	**1.5992**	**3.1859**	**.01343**	**41.679**	**.01119**	**.02873**	**11.777**
Stddev	.00024	.00007	.0121	.0278	.00049	.165	.00007	.00007	.028
%RSD	42.532	26.857	.75324	.87246	3.6143	.39588	.66275	.25177	.24141
#1	.00040	.00022	1.6077	3.2056	.01309	41.796	.01124	.02868	11.797
#2	.00074	.00032	1.5907	3.1662	.01377	41.562	.01114	.02878	11.757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00110**	**8.351**	**-.00039**	**.00286**	**6.7470**	**.00006**	**.57253**	**.00036**
Stddev	.00019	.00057	.037	.00103	.00118	.0129	.00024	.00116	.00006
%RSD	95.344	51.673	.4381	262.76	41.332	.19146	393.42	.20183	16.607
#1	.00033	-.00150	8.325	.00034	.00202	6.7561	.00023	.57334	.00040
#2	.00006	-.00070	8.377	-.00113	.00369	6.7379	-.00011	.57171	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00154**	**-.00045**	**.00253**
Stddev	.00025	.00005	.00037
%RSD	16.523	11.859	14.514
#1	.00172	-.00041	.00227
#2	.00136	-.00049	.00279
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2102.9**	**5644.6**	**79441.**	**9858.2**
Stddev	8.6	36.2	418.	.1
%RSD	.40664	.64134	.52676	.00151
#1	2108.9	5670.2	79145.	9858.1
#2	2096.8	5619.0	79736.	9858.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.560%	96.025%	96.262%	100.30%
Range				

Sample Name: 480-59300-g-1-aSD@5 Acquired: 5/8/2014 17:58:04 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00806**	**.00255**	**.02757**	**.02094**	**-.00012**	**14.423**	**.00004**	**.00016**
Stddev	.00008	.00601	.00131	.00005	.00001	.00001	.004	.00009	.00004
%RSD	27.196	74.585	51.143	.19742	.05631	7.9137	.02586	263.64	22.586
#1	.00036	.00381	.00348	.02761	.02095	-.00013	14.420	-.00003	.00018
#2	.00024	.01231	.00163	.02753	.02093	-.00011	14.425	.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	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00005**	**.31057**	**.62578**	**.00378**	**7.9552**	**.00223**	**.00556**	**2.3110**
Stddev	.00011	.00008	.00087	.01271	.00004	.0160	.00003	.00001	.0075
%RSD	58.750	148.32	.28075	2.0314	1.0089	.20083	1.2473	.21972	.32318
#1	.00027	.00000	.31119	.63476	.00375	7.9439	.00225	.00555	2.3057
#2	.00011	-.00011	.30996	.61679	.00380	7.9665	.00221	.00557	2.3163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00001**	**1.569**	**.00045**	**.00005**	**1.3504**	**-.00004**	**.11368**	**.00022**
Stddev	.00007	.00007	.004	.00039	.00250	.0059	.00023	.00022	.00011
%RSD	114.73	810.61	.2579	86.741	4978.4	.43488	592.64	.19582	51.288
#1	.00011	-.00004	1.572	.00018	.00182	1.3546	-.00020	.11352	.00014
#2	.00001	.00006	1.566	.00073	-.00171	1.3463	.00013	.11383	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00244**	**-.00004**	**.00064**
Stddev	.00082	.00012	.00040
%RSD	33.805	264.48	62.088
#1	-.00185	-.00013	.00036
#2	-.00302	.00004	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2239.1**	**5885.8**	**82087.**	**10122.**
Stddev	.4	8.2	17.	26.
%RSD	.01748	.13874	.02117	.25333
#1	2238.8	5891.6	82074.	10104.
#2	2239.4	5880.0	82099.	10140.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.555%	100.13%	99.468%	102.98%
Range				

Sample Name: 480-59300-g-1-aPDS Acquired: 5/8/2014 18:00:52 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04148**	**10.929**	**.24228**	**.35418**	**.31514**	**.21682**	**81.280**	**.20648**	**.20491**
Stddev	.00055	.003	.00128	.00076	.00047	.00103	.183	.00025	.00004
%RSD	1.3321	.02520	.52726	.21576	.14809	.47470	.22463	.11992	.02172
#1	.04109	10.931	.24319	.35364	.31547	.21610	81.409	.20666	.20488
#2	.04187	10.927	.24138	.35472	.31481	.21755	81.151	.20631	.20494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20522**	**.20844**	**11.928**	**13.805**	**.22816**	**50.215**	**.21633**	**.23457**	**22.437**
Stddev	.00169	.00036	.027	.039	.00053	.001	.00038	.00009	.100
%RSD	.82174	.17150	.22498	.28315	.23431	.00289	.17786	.03727	.44430
#1	.20403	.20869	11.909	13.777	.22778	50.214	.21606	.23450	22.367
#2	.20641	.20819	11.946	13.832	.22854	50.216	.21660	.23463	22.508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20335**	**.20627**	**8.146**	**.21376**	**.22012**	**17.174**	**.15163**	**.76790**	**.19719**
Stddev	.00012	.00141	.024	.00172	.00092	.090	.00041	.00418	.00031
%RSD	.05742	.68587	.2896	.80414	.41874	.52343	.26870	.54421	.15911
#1	.20343	.20727	8.129	.21255	.21947	17.110	.15134	.76495	.19741
#2	.20326	.20527	8.163	.21498	.22078	17.237	.15192	.77086	.19697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.21304**	**.20803**	**.20089**
Stddev	.00097	.00088	.00058
%RSD	.45308	.42528	.28682
#1	.21236	.20740	.20049
#2	.21372	.20866	.20130
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2060.4**	**5617.2**	**79971.**	**10032.**
Stddev	3.9	17.7	254.	41.
%RSD	.18716	.31465	.31730	.40440
#1	2063.2	5629.7	80150.	10004.
#2	2057.7	5604.7	79791.	10061.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.691%	95.559%	96.904%	102.07%
Range				

Sample Name: 480-59300-g-1-b ms Acquired: 5/8/2014 18:03:33 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05143**	**10.658**	**.22960**	**.34541**	**.30965**	**.21152**	**82.337**	**.20480**	**.20475**
Stddev	.00013	.050	.00040	.00031	.00150	.00025	.337	.00016	.00005
%RSD	.25459	.46469	.17424	.08869	.48560	.11632	.40885	.07670	.02283
#1	.05134	10.623	.22988	.34563	.31072	.21169	82.099	.20491	.20478
#2	.05153	10.693	.22932	.34520	.30859	.21135	82.575	.20469	.20472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20332**	**.20781**	**11.874**	**13.510**	**.22072**	**51.023**	**.21468**	**.23035**	**22.263**
Stddev	.00343	.00036	.024	.090	.00230	.308	.00131	.00052	.108
%RSD	1.6849	.17545	.20004	.66259	1.0408	.60444	.60902	.22680	.48407
#1	.20574	.20807	11.891	13.447	.21910	51.241	.21561	.23072	22.186
#2	.20090	.20755	11.857	13.574	.22234	50.805	.21376	.22999	22.339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20082**	**.20221**	F **18.47**	**.21074**	**.20725**	**17.017**	**.19602**	**.78207**	**.19454**
Stddev	.00020	.00074	.01	.00088	.00026	.082	.00036	.00108	.00101
%RSD	.09944	.36487	.0812	.41839	.12621	.48165	.18424	.13796	.51927
#1	.20096	.20169	18.48	.21012	.20744	16.959	.19627	.78283	.19526
#2	.20068	.20273	18.46	.21136	.20707	17.075	.19576	.78130	.19383
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.21653**	**.20545**	**.19616**
Stddev	.00219	.00308	.00347
%RSD	1.0107	1.5009	1.7673
#1	.21807	.20763	.19861
#2	.21498	.20327	.19371
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2066.2**	**5683.3**	**79810.**	**10007.**
Stddev	.1	.1	523.	34.
%RSD	.00491	.00095	.65497	.33932
#1	2066.1	5683.3	79441.	10031.
#2	2066.3	5683.3	80180.	9983.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.944%	96.683%	96.710%	101.82%
Range				

Sample Name: CCV Acquired: 5/8/2014 18:06:14 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49068**	**25.218**	**.50876**	**.48504**	**.50222**	**.50355**	**24.929**	**.48961**	**.49186**	**.49817**	**.49697**	**25.036**	**24.668**	**.49602**
Stddev	.00259	.153	.00194	.00056	.00072	.00177	.159	.00100	.00060	.00010	.00387	.041	.141	.00086
%RSD	.52860	.60511	.38218	.11454	.14317	.35167	.63620	.20478	.12263	.02088	.77966	.16392	.57232	.17433
#1	.48885	25.110	.50739	.48465	.50171	.50230	24.817	.48890	.49229	.49809	.49423	25.007	24.568	.49663
#2	.49252	25.326	.51014	.48543	.50273	.50480	25.041	.49031	.49144	.49824	.49971	25.065	24.768	.49541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.945**	**.50683**	**.48890**	**24.365**	**.49571**	**.49525**	**24.78**	**.49879**	**.50189**	**24.400**	**.47820**	**.49361**	**.48025**	**.50526**
Stddev	.018	.00029	.00088	.014	.00071	.00021	.02	.00056	.00044	.075	.00103	.00098	.00060	.00167
%RSD	.07090	.05768	.17904	.05729	.14301	.04187	.0639	.11159	.08795	.30817	.21548	.19892	.12474	.33143
#1	24.933	.50663	.48828	24.375	.49621	.49510	24.77	.49840	.50158	24.347	.47747	.49292	.47982	.50408
#2	24.958	.50704	.48952	24.355	.49521	.49540	24.79	.49919	.50221	24.453	.47893	.49431	.48067	.50645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.48788**	**.49677**
Stddev	.00193	.00063
%RSD	.39537	.12771
#1	.48652	.49632
#2	.48924	.49722
Check ?	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	**2121.4**	**5792.3**	**80789.**	**10004.**
Stddev	4.6	17.0	241.	71.
%RSD	.21809	.29364	.29843	.71215
#1	2124.7	5804.3	80959.	10054.
#2	2118.2	5780.2	80618.	9953.3

Sample Name: CCB Acquired: 5/8/2014 18:08:52 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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**	**.00073**	**.00014**	**.00089**	**.00002**	**-.00009**	**.00582**	**.00009**	**.00007**	**.00002**	**-.00029**	**.00146**
Stddev	.00068	.00296	.00183	.00013	.00000	.00006	.00785	.00009	.00010	.00022	.00017	.00615
%RSD	220.68	404.29	1259.5	15.041	8.0254	74.092	134.99	95.041	150.41	1126.9	58.551	420.95
#1	-.00079	.00283	-.00115	.00080	.00001	-.00004	.01137	.00003	.00014	-.00014	-.00042	.00581
#2	.00017	-.00136	.00144	.00099	.00002	-.00013	.00026	.00016	-.00000	.00017	-.00017	-.00289
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.05558**	**.00074**	**.00200**	**.00005**	**.00028**	**-.00594**	**-.00007**	**-.00036**	**.0001**	**.00128**	**.00151**	**.01004**
Stddev	.00224	.00032	.00147	.00005	.00003	.00866	.00041	.00011	.0014	.00021	.00073	.00951
%RSD	4.0320	43.093	73.371	88.830	10.627	145.95	575.86	30.520	1905.	16.180	48.352	94.777
#1	-.05399	.00052	.00096	.00002	.00030	.00019	-.00036	-.00028	-.0009	.00143	.00203	.01676
#2	-.05716	.00097	.00304	.00008	.00026	-.01206	.00022	-.00043	.0011	.00114	.00100	.00331
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00011**	**-.00013**	**.00060**	**-.00006**	**.00043**
Stddev	.00007	.00018	.00012	.00042	.00014	.00026
%RSD	456.85	174.38	98.420	69.359	212.52	61.206
#1	-.00003	.00024	-.00004	.00031	.00003	.00024
#2	.00006	-.00002	-.00022	.00090	-.00016	.00062
Check ?	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	**2282.3**	**5924.0**	**82949.**	**9890.0**
Stddev	5.2	32.4	69.	29.7
%RSD	.22738	.54611	.08368	.29996
#1	2286.0	5946.9	82900.	9869.0
#2	2278.7	5901.1	82999.	9911.0

Sample Name: CCVL Acquired: 5/8/2014 18:11:43 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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**	**.19639**	**.01510**	**.01947**	**.00237**	**.00203**	**.48405**	**.00188**	**.00403**	**.00404**	**.00931**	**.04769**
Stddev	.00012	.01662	.00129	.00009	.00001	.00001	.00540	.00007	.00001	.00004	.00002	.00578
%RSD	2.1038	8.4627	8.5275	.43789	.24926	.63314	1.1163	3.5139	.32651	1.1040	.20683	12.120
#1	.00588	.18464	.01601	.01953	.00237	.00204	.48023	.00192	.00404	.00408	.00932	.05178
#2	.00571	.20815	.01419	.01941	.00237	.00202	.48787	.00183	.00402	.00401	.00929	.04361
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46934**	**.02830**	**.19407**	**.00273**	**.00979**	**.91923**	**.00984**	**.00973**	**.1971**	**.01955**	**.02499**	**.47009**
Stddev	.00267	.00025	.00110	.00001	.00001	.00603	.00007	.00016	.0006	.00091	.00132	.01397
%RSD	.56819	.89238	.56927	.46941	.08738	.65574	.67258	1.5979	.3269	4.6507	5.2874	2.9719
#1	.46745	.02847	.19485	.00272	.00978	.91496	.00979	.00962	.1976	.01890	.02406	.46021
#2	.47122	.02812	.19328	.00274	.00980	.92349	.00988	.00984	.1967	.02019	.02593	.47997
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00889**	**.00479**	**.00449**	**.01910**	**.00481**	**.00966**
Stddev	.00002	.00004	.00014	.00185	.00024	.00001
%RSD	.17381	.83474	3.1796	9.7001	5.0014	.14951
#1	.00890	.00477	.00439	.01779	.00464	.00965
#2	.00888	.00482	.00460	.02041	.00498	.00967
Check ?	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	**2285.7**	**5969.4**	**83688.**	**10195.**
Stddev	8.5	3.5	85.	74.
%RSD	.37361	.05940	.10130	.72467
#1	2291.8	5971.9	83748.	10247.
#2	2279.7	5966.9	83628.	10143.

Sample Name: 480-59300-g-1-c msd Acquired: 5/8/2014 18:14:33 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05133**	**10.542**	**.23368**	**.34932**	**.30910**	**.21287**	**81.695**	**.20642**	**.20468**
Stddev	.00010	.033	.00008	.00002	.00014	.00034	.430	.00010	.00005
%RSD	.19906	.31100	.03325	.00648	.04660	.16090	.52610	.04733	.02330
#1	.05125	10.518	.23373	.34934	.30900	.21312	81.999	.20649	.20465
#2	.05140	10.565	.23362	.34930	.30921	.21263	81.391	.20636	.20471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20141**	**.20610**	**11.969**	**13.253**	**.21652**	**51.049**	**.21461**	**.23300**	**21.745**
Stddev	.00042	.00049	.065	.026	.00095	.327	.00128	.00029	.099
%RSD	.20804	.24001	.54696	.19646	.43983	.64090	.59453	.12245	.45398
#1	.20171	.20644	12.015	13.235	.21585	51.281	.21551	.23321	21.675
#2	.20112	.20575	11.922	13.271	.21719	50.818	.21371	.23280	21.815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20057**	**.20272**	F **18.68**	**.21283**	**.21283**	**16.842**	**.19670**	**.78626**	**.19626**
Stddev	.00103	.00107	.02	.00211	.00010	.016	.00081	.00004	.00106
%RSD	.51211	.52753	.1110	.98982	.04627	.09245	.40958	.00530	.53974
#1	.19984	.20348	18.67	.21134	.21290	16.853	.19727	.78629	.19701
#2	.20129	.20196	18.70	.21432	.21276	16.831	.19613	.78623	.19551
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.21629**	**.20471**	**.19532**
Stddev	.00112	.00124	.00114
%RSD	.51733	.60340	.58333
#1	.21708	.20558	.19613
#2	.21550	.20384	.19451
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2051.7**	**5608.0**	**79818.**	**9981.3**
Stddev	3.5	11.9	490.	72.4
%RSD	.17283	.21258	.61423	.72496
#1	2054.2	5616.4	79471.	9930.2
#2	2049.2	5599.5	80165.	10033.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.306%	95.402%	96.719%	101.55%
Range				

Sample Name: 480-59300-g-2-a Acquired: 5/8/2014 18:17:13 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00842**	**.00075**	**1.2267**	**.13576**	**-.00007**	**104.74**	**.00014**	**.00026**
Stddev	.00052	.02572	.00001	.0017	.00039	.00005	.12	.00008	.00011
%RSD	200.53	305.52	.75910	.14134	.28745	67.234	.11486	52.432	43.730
#1	-.00063	.02661	.00075	1.2279	.13603	-.00011	104.83	.00009	.00018
#2	.00011	-.00977	.00074	1.2255	.13548	-.00004	104.66	.00020	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**.00045**	**2.0165**	**4.3376**	**.02862**	**61.492**	**.01551**	**.00028**	**38.174**
Stddev	.00030	.00009	.0030	.0107	.00056	.154	.00002	.00014	.017
%RSD	31.789	20.588	.14735	.24598	1.9587	.25078	.14467	51.355	.04503
#1	.00072	.00038	2.0144	4.3451	.02822	61.601	.01552	.00038	38.187
#2	.00114	.00051	2.0186	4.3300	.02901	61.383	.01549	.00018	38.162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**-.00074**	**.1964**	**-.00117**	**-.00127**	**9.3338**	**.00000**	**2.0518**	**.00076**
Stddev	.00049	.00065	.0015	.00132	.00175	.0107	.00058	.0045	.00010
%RSD	46.679	88.122	.7777	112.31	137.20	.11486	40621.	.22024	13.000
#1	.00071	-.00120	.1975	-.00024	-.00004	9.3414	-.00041	2.0486	.00069
#2	.00140	-.00028	.1953	-.00211	-.00251	9.3263	.00041	2.0549	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00071**	**-.00038**	**.02244**
Stddev	.00096	.00003	.00078
%RSD	134.82	8.8538	3.4786
#1	.00003	-.00036	.02299
#2	.00138	-.00040	.02189
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2027.4**	**5471.7**	**78041.**	**9946.5**
Stddev	7.8	20.0	132.	18.2
%RSD	.38474	.36466	.16956	.18286
#1	2032.9	5485.8	77947.	9933.7
#2	2021.9	5457.6	78134.	9959.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.238%	93.084%	94.565%	101.20%
Range				

Sample Name: 480-59300-g-3-a Acquired: 5/8/2014 18:19:59 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.01926**	**.00039**	**.63669**	**.14186**	**-.00010**	**106.11**	**.00014**	**.00022**
Stddev	.00059	.00360	.00111	.00103	.00030	.00003	.52	.00004	.00004
%RSD	1471.9	18.689	288.01	.16157	.21223	33.942	.48570	27.141	18.194
#1	-.00046	-.01672	.00117	.63597	.14208	-.00012	106.48	.00017	.00019
#2	.00038	-.02181	-.00040	.63742	.14165	-.00007	105.75	.00012	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00028**	**1.2556**	**3.6639**	**.02076**	**65.520**	**.01451**	**.00247**	**22.855**
Stddev	.00067	.00007	.0066	.0502	.00064	.164	.00007	.00016	.089
%RSD	111.23	25.412	.52353	1.3698	3.0668	.25043	.45117	6.5562	.38874
#1	.00108	.00032	1.2602	3.6994	.02031	65.636	.01446	.00236	22.793
#2	.00013	.00023	1.2509	3.6284	.02121	65.404	.01455	.00259	22.918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**-.00078**	F **63.77**	**-.00059**	**-.00076**	**7.4215**	**.00008**	**1.7763**	**.00028**
Stddev	.00015	.00132	.32	.00168	.00110	.0107	.00018	.0070	.00037
%RSD	16.240	169.69	.5037	285.89	144.84	.14355	222.85	.39385	130.82
#1	.00082	.00016	63.54	.00060	.00002	7.4290	-.00005	1.7713	.00054
#2	.00103	-.00171	64.00	-.00178	-.00154	7.4140	.00021	1.7812	.00002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00205**	**-.00082**	**.00049**
Stddev	.00052	.00009	.00017
%RSD	25.202	10.594	35.097
#1	.00168	-.00076	.00037
#2	.00241	-.00089	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2039.4**	**5475.4**	**78684.**	**9974.5**
Stddev	3.3	18.8	348.	45.4
%RSD	.16249	.34356	.44241	.45510
#1	2041.8	5488.7	78438.	9942.4
#2	2037.1	5462.1	78930.	10007.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.766%	93.147%	95.345%	101.48%
Range				

Sample Name: 480-59354-f-1-a Acquired: 5/8/2014 18:22:46 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00306**	**-.00029**	**.01680**	**.08280**	**-.00005**	**9.9423**	**.00004**	**.00022**
Stddev	.00009	.01042	.00057	.00042	.00027	.00000	.0005	.00006	.00008
%RSD	49.195	340.22	200.82	2.5110	.32477	6.4978	.00488	138.59	34.707
#1	-.00012	-.00431	-.00069	.01709	.08299	-.00005	9.9419	.00008	.00028
#2	-.00025	.01043	.00012	.01650	.08261	-.00004	9.9426	.00000	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00043**	**.00648**	**2.1011**	**.00335**	**6.0050**	**.01588**	**.00033**	**9.0530**
Stddev	.00019	.00007	.00060	.0176	.00087	.0063	.00003	.00015	.0118
%RSD	31.659	16.393	9.2516	.83989	26.066	.10524	.17931	46.452	.13065
#1	.00074	.00038	.00605	2.1136	.00397	6.0095	.01586	.00044	9.0613
#2	.00047	.00049	.00690	2.0886	.00274	6.0006	.01590	.00022	9.0446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00179**	**-.00152**	**3.312**	**.00064**	**.00206**	**7.0187**	**.00004**	**.06211**	**.00009**
Stddev	.00034	.00045	.020	.00110	.00043	.0221	.00018	.00000	.00020
%RSD	18.825	29.634	.6028	173.46	20.783	.31515	417.10	.00546	223.04
#1	.00155	-.00120	3.326	.00142	.00236	7.0343	.00017	.06212	-.00005
#2	.00203	-.00184	3.298	-.00014	.00176	7.0030	-.00008	.06211	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00110**	**-.00004**	**.00761**
Stddev	.00001	.00003	.00065
%RSD	1.1748	78.263	8.5088
#1	-.00109	-.00002	.00715
#2	-.00111	-.00007	.00807
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2236.3**	**5872.2**	**81852.**	**10059.**
Stddev	8.1	7.2	76.	2.
%RSD	.36265	.12216	.09291	.02039
#1	2230.6	5867.2	81799.	10060.
#2	2242.1	5877.3	81906.	10057.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.434%	99.897%	99.184%	102.34%
Range				

Sample Name: 480-59354-f-2-a Acquired: 5/8/2014 18:25:33 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00608**	**-.00082**	**.01627**	**.05387**	**.00012**	**8.4325**	**.00011**	**.00128**
Stddev	.00029	.00222	.00036	.00002	.00002	.00001	.0552	.00012	.00012
%RSD	197.75	36.453	44.238	.13416	.03695	4.3559	.65476	106.15	9.7291
#1	.00036	.00765	-.00108	.01629	.05389	.00012	8.3935	.00003	.00119
#2	-.00006	.00451	-.00057	.01625	.05386	.00011	8.4715	.00019	.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00356**	**.00288**	**1.3119**	**.00437**	**6.0083**	**.02212**	**.00002**	**19.471**
Stddev	.00015	.00007	.00218	.0202	.00013	.0117	.00012	.00003	.045
%RSD	44.223	2.0834	75.714	1.5420	3.0892	.19434	.55129	129.62	.23134
#1	.00045	.00362	.00442	1.2976	.00427	6.0166	.02221	.00004	19.439
#2	.00024	.00351	.00134	1.3262	.00446	6.0000	.02204	.00000	19.503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00509**	**-.00074**	**2.168**	**.00047**	**-.00128**	**5.0581**	**-.00032**	**.04737**	**-.00009**
Stddev	.00011	.00042	.005	.00049	.00480	.0085	.00025	.00008	.00036
%RSD	2.1235	56.679	.2117	103.25	373.84	.16858	76.382	.17503	411.83
#1	.00517	-.00044	2.165	.00082	.00211	5.0521	-.00050	.04731	.00017
#2	.00502	-.00103	2.171	.00013	-.00468	5.0641	-.00015	.04743	-.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00036**	**.00001**	**.01118**
Stddev	.00111	.00014	.00034
%RSD	305.27	1594.2	3.0459
#1	-.00115	-.00009	.01142
#2	.00042	.00011	.01094
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2205.6**	**5737.2**	**80991.**	**10015.**
Stddev	2.4	8.0	1.	64.
%RSD	.10672	.13886	.00090	.64087
#1	2207.2	5742.9	80992.	10060.
#2	2203.9	5731.6	80991.	9969.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.080%	97.601%	98.141%	101.89%
Range				

Sample Name: 480-59354-f-3-a Acquired: 5/8/2014 18:28:21 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**-.00772**	**.00050**	**.01044**	**.11904**	**-.00001**	**9.9935**	**-.00005**	**.00019**
Stddev	.00009	.01892	.00044	.00042	.00011	.00009	.1223	.00000	.00010
%RSD	22.310	245.10	89.034	4.0184	.09317	939.16	1.2241	5.5222	50.522
#1	.00044	.00566	.00018	.01073	.11912	-.00007	9.9070	-.00005	.00026
#2	.00032	-.02110	.00081	.01014	.11896	.00005	10.080	-.00005	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00018**	**-.00100**	**3.0869**	**.00301**	**6.6212**	**.00036**	**.00022**	**8.9371**
Stddev	.00050	.00018	.00236	.0200	.00068	.0050	.00007	.00008	.0615
%RSD	97.207	100.57	235.31	.64805	22.522	.07591	19.158	36.614	.68853
#1	.00086	.00030	.00067	3.0728	.00349	6.6176	.00031	.00016	8.8936
#2	.00016	.00005	-.00268	3.1011	.00253	6.6247	.00041	.00028	8.9806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**-.00027**	**3.569**	**.00049**	**.00059**	**8.7968**	**-.00007**	**.07324**	**.00014**
Stddev	.00028	.00058	.000	.00015	.00070	.0526	.00008	.00033	.00012
%RSD	20.447	218.21	.0051	30.388	119.80	.59796	111.52	.44376	87.074
#1	.00117	-.00068	3.569	.00038	.00009	8.7596	-.00012	.07301	.00005
#2	.00157	.00015	3.569	.00059	.00109	8.8340	-.00001	.07347	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00133**	**.00007**	**.00633**
Stddev	.00007	.00014	.00002
%RSD	5.1307	190.92	.38987
#1	.00138	.00018	.00635
#2	.00129	-.00003	.00631
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2234.8**	**5839.3**	**82438.**	**10024.**
Stddev	2.1	4.9	342.	88.
%RSD	.09501	.08463	.41485	.87312
#1	2236.3	5842.8	82196.	10086.
#2	2233.3	5835.8	82680.	9962.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.365%	99.338%	99.894%	101.99%
Range				

Sample Name: 480-59354-f-4-a Acquired: 5/8/2014 18:31:08 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01976**	**-.00040**	**.01116**	**.10862**	**.00001**	**13.989**	**.00007**	**.00033**
Stddev	.00011	.00165	.00096	.00007	.00014	.00001	.006	.00003	.00009
%RSD	204.01	8.3642	241.22	.65488	.13323	99.097	.04547	38.704	28.478
#1	.00002	.01859	.00028	.01110	.10872	.00002	13.985	.00009	.00026
#2	-.00013	.02093	-.00108	.01121	.10852	.00000	13.994	.00005	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00001**	**.00050**	**3.2696**	**.00667**	**9.1700**	**.00015**	**.00004**	**9.7086**
Stddev	.00019	.00014	.00013	.0053	.00011	.0922	.00007	.00001	.0221
%RSD	47.210	1567.8	26.202	.16068	1.6562	1.0057	45.643	17.671	.22713
#1	.00053	-.00009	.00059	3.2733	.00674	9.1047	.00010	.00004	9.6931
#2	.00027	.00010	.00041	3.2659	.00659	9.2352	.00020	.00003	9.7242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**-.00058**	**4.451**	**-.00061**	**.00080**	**10.569**	**-.00056**	**.08322**	**.00019**
Stddev	.00009	.00013	.004	.00077	.00378	.059	.00005	.00037	.00005
%RSD	28.374	22.493	.0785	126.62	471.37	.56282	9.5681	.44481	29.493
#1	.00025	-.00048	4.449	-.00115	.00347	10.527	-.00060	.08296	.00022
#2	.00038	-.00067	4.454	-.00006	-.00187	10.611	-.00052	.08349	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00273**	**.00013**	**.00599**
Stddev	.00078	.00028	.00043
%RSD	28.378	220.99	7.1411
#1	-.00219	.00032	.00629
#2	-.00328	-.00007	.00568
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2212.7**	**5814.6**	**81847.**	**10115.**
Stddev	2.9	8.6	800.	22.
%RSD	.12937	.14832	.97757	.21932
#1	2214.7	5820.7	82413.	10130.
#2	2210.6	5808.5	81281.	10099.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.392%	98.917%	99.178%	102.91%
Range				

Sample Name: 480-59354-f-5-a Acquired: 5/8/2014 18:33:55 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00406**	**-.00169**	**.00379**	**.03660**	**-.00007**	**5.7372**	**.00002**	**.00031**
Stddev	.00054	.01160	.00338	.00010	.00013	.00001	.0208	.00003	.00007
%RSD	148.88	285.46	200.72	2.6328	.35032	7.9412	.36168	199.38	22.480
#1	.00075	-.01226	-.00408	.00387	.03651	-.00007	5.7518	-.00001	.00026
#2	-.00002	.00414	.00071	.00372	.03669	-.00007	5.7225	.00004	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00335**	**.00812**	**1.6079**	**.01317**	**7.9629**	**.00283**	**.00010**	**10.074**
Stddev	.00041	.00010	.00113	.0037	.00066	.0644	.00004	.00020	.084
%RSD	129.66	2.9213	13.908	.23309	4.9847	.80818	1.3889	210.07	.83391
#1	.00003	.00328	.00892	1.6052	.01364	8.0084	.00286	.00024	10.133
#2	.00061	.00342	.00732	1.6105	.01271	7.9174	.00281	-.00005	10.015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**-.00108**	**1.008**	**-.00054**	**.00147**	**14.573**	**-.00000**	**.04768**	**.00039**
Stddev	.00044	.00010	.003	.00017	.00141	.134	.00028	.00012	.00044
%RSD	36.735	9.3039	.3172	31.397	95.830	.92151	6781.6	.26019	114.58
#1	.00088	-.00115	1.011	-.00042	.00047	14.668	.00019	.04759	.00007
#2	.00150	-.00101	1.006	-.00066	.00246	14.478	-.00020	.04777	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00170**	**.00020**	**.00892**
Stddev	.00148	.00018	.00032
%RSD	87.401	88.595	3.6423
#1	-.00275	.00033	.00915
#2	-.00065	.00008	.00869
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2220.3**	**5792.7**	**82472.**	**9973.1**
Stddev	1.8	2.1	363.	31.8
%RSD	.08011	.03698	.43962	.31881
#1	2221.6	5794.2	82216.	9950.7
#2	2219.1	5791.2	82728.	9995.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.729%	98.544%	99.935%	101.47%
Range				

Sample Name: 480-59324-b-1 Acquired: 5/8/2014 18:36:43 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01729**	**.00130**	**.03335**	**.10090**	**-.00007**	**20.162**	**.00023**	**.00042**
Stddev	.00020	.01264	.00244	.00009	.00023	.00002	.034	.00002	.00009
%RSD	63.766	73.108	186.91	.28006	.22318	29.219	.16898	10.507	20.775
#1	.00046	.00835	.00303	.03341	.10106	-.00005	20.138	.00022	.00048
#2	.00018	.02623	-.00042	.03328	.10074	-.00008	20.186	.00025	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00056**	**.00465**	**6.4261**	**.00033**	**2.7478**	**.47871**	**-.00013**	**45.480**
Stddev	.00001	.00012	.00199	.0471	.00061	.0095	.00241	.00003	.203
%RSD	14.830	21.807	42.864	.73348	187.49	.34580	.50274	21.107	.44666
#1	.00006	.00065	.00324	6.3927	-.00011	2.7545	.48041	-.00015	45.336
#2	.00005	.00047	.00606	6.4594	.00076	2.7410	.47701	-.00011	45.624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00181**	**.00002**	**4.543**	**.00098**	**-.00071**	**5.8730**	**-.00015**	**.19668**	**.00018**
Stddev	.00058	.00033	.030	.00020	.00115	.0145	.00027	.00090	.00034
%RSD	32.122	1518.1	.6658	20.344	161.21	.24720	174.57	.45656	187.05
#1	.00222	-.00021	4.522	.00084	-.00153	5.8628	.00004	.19604	-.00006
#2	.00140	.00026	4.565	.00112	.00010	5.8833	-.00035	.19731	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00042**	**.00015**	**.00080**
Stddev	.00033	.00018	.00015
%RSD	78.727	119.01	18.614
#1	-.00018	.00027	.00091
#2	-.00065	.00002	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2168.5**	**5742.2**	**79884.**	**9882.9**
Stddev	4.8	24.3	500.	15.3
%RSD	.21916	.42343	.62556	.15517
#1	2171.9	5759.4	79531.	9872.0
#2	2165.1	5725.0	80238.	9893.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.448%	97.685%	96.799%	100.55%
Range				

Sample Name: CCV Acquired: 5/8/2014 18:39:32 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49199**	**25.362**	**.50270**	**.48119**	**.50486**	**.50533**	**24.840**	**.48972**	**.49171**	**.49536**	**.50306**	**25.079**	**24.763**	**.49804**
Stddev	.00029	.034	.00144	.00161	.00126	.00082	.004	.00125	.00078	.00209	.00213	.026	.012	.00100
%RSD	.05976	.13506	.28601	.33412	.24958	.16156	.01428	.25549	.15840	.42118	.42371	.10525	.04949	.20168
#1	.49178	25.338	.50372	.48233	.50397	.50590	24.842	.49060	.49226	.49389	.50155	25.098	24.754	.49733
#2	.49220	25.386	.50169	.48005	.50575	.50475	24.837	.48883	.49116	.49684	.50456	25.061	24.772	.49875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.700**	**.50386**	**.48781**	**24.438**	**.49430**	**.49580**	**24.65**	**.49627**	**.49662**	**24.353**	**.47924**	**.49651**	**.47985**	**.50437**
Stddev	.027	.00005	.00031	.073	.00006	.00071	.02	.00109	.01050	.054	.00212	.00056	.00072	.00242
%RSD	.11031	.00904	.06451	.30018	.01263	.14390	.0775	.22064	2.1143	.22123	.44198	.11284	.14928	.47956
#1	24.719	.50382	.48804	24.386	.49435	.49630	24.67	.49549	.50404	24.315	.48074	.49691	.47934	.50608
#2	24.680	.50389	.48759	24.490	.49426	.49530	24.64	.49704	.48920	24.391	.47775	.49611	.48036	.50266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.48788**	**.48484**
Stddev	.00047	.00191
%RSD	.09553	.39494
#1	.48821	.48349
#2	.48755	.48620
Check ?	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	**2129.5**	**5818.1**	**80585.**	**10060.**
Stddev	6.5	22.7	263.	1.
%RSD	.30569	.38955	.32678	.01329
#1	2124.9	5802.1	80771.	10059.
#2	2134.1	5834.2	80399.	10061.

Sample Name: CCB Acquired: 5/8/2014 18:42:10 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**-.00006**	**.01063**	**.00003**	**.00060**	**.00021**	**.00013**	**.01210**	**.00014**	**.00027**	**.00032**	**.00016**	**.00831**
Stddev	.00001	.00600	.00048	.00019	.00005	.00011	.00532	.00008	.00009	.00006	.00007	.00218
%RSD	16.849	56.453	1645.4	31.112	22.880	89.256	43.993	61.247	33.808	19.357	43.418	26.270
#1	-.00005	.01488	.00037	.00074	.00024	.00005	.00834	.00019	.00033	.00028	.00021	.00677
#2	-.00006	.00639	-.00031	.00047	.00018	.00021	.01586	.00008	.00020	.00036	.00011	.00986
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03596**	**.00106**	**.01207**	**.00029**	**.00025**	**.00983**	**.00034**	**-.00013**	**.0058**	**.00052**	**.00158**	**.03694**
Stddev	.00021	.00059	.00033	.00007	.00019	.00342	.00028	.00065	.0037	.00014	.00372	.00373
%RSD	.58337	56.200	2.7448	22.122	76.787	34.739	81.209	479.40	64.07	26.996	236.12	10.112
#1	-.03581	.00064	.01230	.00034	.00011	.01225	.00054	.00032	.0084	.00062	-.00106	.03958
#2	-.03611	.00148	.01184	.00025	.00038	.00742	.00015	-.00059	.0032	.00042	.00421	.03430
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00025**	**.00031**	**-.00092**	**.00015**	**.00005**
Stddev	.00019	.00019	.00012	.00073	.00014	.00019
%RSD	276.86	79.107	39.663	78.614	98.309	378.81
#1	.00020	.00011	.00023	-.00041	.00025	-.00008
#2	-.00006	.00038	.00040	-.00144	.00004	.00018
Check ?	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	**2274.4**	**5908.1**	**81619.**	**9977.4**
Stddev	3.7	3.5	435.	21.1
%RSD	.16194	.05988	.53261	.21149
#1	2277.0	5910.6	81311.	9992.3
#2	2271.8	5905.6	81926.	9962.5

Sample Name: CCVL Acquired: 5/8/2014 18:45:02 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00583**	**.20016**	**.01613**	**.01937**	**.00236**	**.00190**	**.48062**	**.00190**	**.00409**	**.00401**	**.00898**	**.04542**
Stddev	.00018	.00417	.00053	.00003	.00001	.00003	.00296	.00001	.00008	.00004	.00006	.00094
%RSD	3.1287	2.0809	3.2910	.14474	.55546	1.7618	.61625	.30006	1.9672	1.0758	.71988	2.0788
#1	.00571	.19722	.01575	.01935	.00237	.00188	.48271	.00190	.00415	.00398	.00894	.04608
#2	.00596	.20311	.01650	.01939	.00235	.00193	.47853	.00191	.00403	.00404	.00903	.04475
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45866**	**.02807**	**.19359**	**.00282**	**.00991**	**.91169**	**.00963**	**.00903**	**.2013**	**.01954**	**.02467**	**.47321**
Stddev	.00759	.00046	.00155	.00001	.00012	.00775	.00006	.00110	.0043	.00189	.00255	.01174
%RSD	1.6544	1.6364	.79971	.32866	1.2562	.84989	.59059	12.162	2.118	9.6525	10.323	2.4804
#1	.45329	.02774	.19249	.00281	.00982	.90621	.00967	.00981	.1983	.01821	.02647	.46491
#2	.46402	.02839	.19468	.00282	.01000	.91717	.00959	.00826	.2043	.02088	.02287	.48151
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00906**	**.00485**	**.00475**	**.01855**	**.00471**	**.00951**
Stddev	.00015	.00008	.00000	.00118	.00029	.00021
%RSD	1.6290	1.7452	.05845	6.3384	6.1543	2.2411
#1	.00896	.00479	.00475	.01771	.00450	.00966
#2	.00917	.00491	.00475	.01938	.00491	.00936
Check ?	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	**2281.5**	**5918.1**	**83794.**	**10190.**
Stddev	6.0	14.9	33.	16.
%RSD	.26491	.25247	.03925	.16052
#1	2285.7	5928.7	83771.	10178.
#2	2277.2	5907.6	83817.	10201.

Sample Name: 480-59324-b-2-a Acquired: 5/8/2014 18:47:52 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00335**	**.01704**	**.00961**	**.03430**	**-.00010**	**29.466**	**.00007**	**.00018**
Stddev	.00022	.00405	.00164	.00002	.00010	.00001	.129	.00007	.00000
%RSD	474.02	121.06	9.6247	.24599	.28204	11.371	.43703	94.236	2.6661
#1	-.00021	-.00048	.01588	.00960	.03424	-.00009	29.557	.00002	.00018
#2	.00011	-.00621	.01819	.00963	.03437	-.00011	29.375	.00012	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00042**	**4.1690**	**7.9799**	**.01081**	**8.7389**	**.19225**	**.00117**	**22.065**
Stddev	.00017	.00017	.0038	.0593	.00027	.0065	.00008	.00041	.014
%RSD	27.451	40.861	.09164	.74290	2.5407	.07477	.03947	35.124	.06268
#1	.00073	.00054	4.1663	8.0219	.01100	8.7436	.19230	.00146	22.055
#2	.00050	.00030	4.1717	7.9380	.01062	8.7343	.19219	.00088	22.075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**-.00028**	F **17.38**	**-.00100**	**-.00121**	**10.131**	**-.00025**	**.17857**	**.00040**
Stddev	.00043	.00051	.13	.00039	.00180	.087	.00025	.00028	.00058
%RSD	101.38	180.32	.7430	39.309	148.29	.85408	99.112	.15933	145.19
#1	.00073	-.00064	17.47	-.00072	.00006	10.192	-.00043	.17877	.00081
#2	.00012	.00008	17.29	-.00128	-.00249	10.070	-.00008	.17837	-.00001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00088**	**-.00037**	**.00293**
Stddev	.00046	.00034	.00054
%RSD	52.876	90.904	18.580
#1	-.00121	-.00061	.00255
#2	-.00055	-.00013	.00332
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2173.9**	**5752.2**	**80819.**	**10110.**
Stddev	.3	32.1	64.	55.
%RSD	.01574	.55804	.07862	.54662
#1	2173.6	5729.5	80775.	10071.
#2	2174.1	5774.9	80864.	10149.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.685%	97.856%	97.932%	102.86%
Range				

Sample Name: 480-59324-b-3-a Acquired: 5/8/2014 18:50:38 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00931**	**.00058**	**.05238**	**.01472**	**-.00007**	**21.251**	**.00012**	**.00062**
Stddev	.00014	.00677	.00251	.00002	.00028	.00003	.026	.00005	.00011
%RSD	41.280	72.739	431.31	.03653	1.8898	42.148	.12420	45.817	17.598
#1	-.00024	-.00452	.00236	.05239	.01452	-.00005	21.270	.00008	.00054
#2	-.00044	-.01409	-.00119	.05236	.01491	-.00009	21.232	.00016	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00118**	**.00348**	**3.4323**	**.00401**	**4.9367**	**.03331**	**.00001**	**59.583**
Stddev	.00010	.00028	.00125	.0556	.00053	.0836	.00039	.00002	.197
%RSD	345.00	23.522	36.001	1.6185	13.118	1.6928	1.1561	182.52	.33143
#1	.00004	.00099	.00436	3.4716	.00363	4.8776	.03304	-.00000	59.444
#2	-.00010	.00138	.00259	3.3930	.00438	4.9958	.03359	.00002	59.723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00362**	**-.00041**	F **9.440**	**-.00043**	**.00072**	**6.9331**	**.00001**	**.17575**	**.00028**
Stddev	.00016	.00012	.027	.00102	.00154	.0116	.00028	.00020	.00016
%RSD	4.3046	29.936	.2856	238.38	213.04	.16670	3065.9	.11392	59.092
#1	.00351	-.00050	9.421	-.00115	-.00037	6.9413	-.00019	.17589	.00016
#2	.00373	-.00033	9.459	.00029	.00181	6.9249	.00021	.17560	.00039
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00022**	**.00005**	**.00133**
Stddev	.00038	.00016	.00028
%RSD	172.11	293.42	20.889
#1	-.00005	.00016	.00152
#2	.00049	-.00006	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2149.5**	**5730.1**	**80358.**	**9882.9**
Stddev	1.3	6.1	956.	3.0
%RSD	.05877	.10564	1.1893	.03023
#1	2148.6	5734.4	81033.	9880.8
#2	2150.4	5725.8	79682.	9885.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.610%	97.480%	97.373%	100.55%
Range				

Sample Name: 480-59324-b-4-a Acquired: 5/8/2014 18:53:24 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.01323**	**.00542**	**.02130**	**.01386**	**-.00008**	**23.268**	**.00010**	**.00666**
Stddev	.00004	.02130	.00124	.00004	.00003	.00003	.007	.00001	.00015
%RSD	21.261	160.94	22.932	.18531	.18242	39.668	.03162	5.6243	2.2875
#1	-.00024	-.02829	.00630	.02132	.01388	-.00006	23.263	.00010	.00677
#2	-.00018	.00183	.00454	.02127	.01384	-.00010	23.273	.00009	.00656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00041**	**.34572**	**2.4175**	**.00255**	**4.1951**	**2.0019**	**.00082**	**22.656**
Stddev	.00029	.00027	.00110	.0240	.00040	.0002	.0014	.00013	.008
%RSD	47.228	65.518	.31676	.99440	15.772	.00474	.07215	16.162	.03352
#1	.00040	.00060	.34649	2.4345	.00283	4.1950	2.0030	.00073	22.651
#2	.00081	.00022	.34494	2.4005	.00226	4.1953	2.0009	.00092	22.661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**-.00018**	**6.237**	**-.00085**	**.00171**	**11.497**	**.00004**	**.13142**	**.00035**
Stddev	.00001	.00185	.022	.00001	.00086	.007	.00002	.00009	.00004
%RSD	.61637	1006.6	.3557	.76295	50.429	.06019	56.901	.06840	12.223
#1	.00154	-.00149	6.221	-.00085	.00110	11.502	.00005	.13149	.00032
#2	.00155	.00113	6.253	-.00086	.00232	11.492	.00002	.13136	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00026**	**.00012**	**.00285**
Stddev	.00219	.00007	.00001
%RSD	834.80	59.673	.27428
#1	.00181	.00017	.00285
#2	-.00128	.00007	.00284
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2189.7**	**5748.7**	**80865.**	**9962.9**
Stddev	.9	1.6	175.	.4
%RSD	.04262	.02740	.21698	.00380
#1	2189.0	5749.8	80741.	9962.6
#2	2190.3	5747.6	80989.	9963.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.379%	97.796%	97.988%	101.36%
Range				

Sample Name: 480-59324-b-5-a Acquired: 5/8/2014 18:56:10 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02234**	**.08405**	**.07270**	**.04132**	**-.00008**	**54.213**	**-.00012**	**.00036**
Stddev	.00050	.00408	.00050	.00034	.00008	.00002	.052	.00003	.00006
%RSD	290.59	18.262	.59508	.47319	.19073	21.952	.09544	24.926	16.190
#1	-.00053	.01945	.08370	.07246	.04137	-.00007	54.250	-.00010	.00040
#2	.00018	.02522	.08441	.07295	.04126	-.00010	54.177	-.00014	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00018**	**5.8716**	**9.4174**	**.01468**	**14.359**	**1.7386**	**.00113**	**47.410**
Stddev	.00040	.00020	.0147	.0176	.00051	.109	.0114	.00014	.167
%RSD	81.634	110.46	.25019	.18661	3.4614	.75974	.65514	12.657	.35243
#1	.00021	.00004	5.8612	9.4050	.01432	14.436	1.7466	.00123	47.528
#2	.00078	.00033	5.8819	9.4298	.01504	14.282	1.7305	.00103	47.292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00270**	**-.00033**	F **9.148**	**-.00057**	**-.00067**	**11.518**	**-.00001**	**.30725**	**.00037**
Stddev	.00002	.00141	.033	.00020	.00217	.018	.00020	.00086	.00012
%RSD	.57974	430.55	.3625	34.592	322.18	.15877	2560.4	.27833	32.698
#1	.00269	.00067	9.172	-.00071	-.00221	11.531	-.00015	.30664	.00028
#2	.00272	-.00133	9.125	-.00043	.00086	11.505	.00013	.30785	.00045
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00097**	**-.00008**	**.00189**
Stddev	.00148	.00021	.00052
%RSD	152.67	260.03	27.334
#1	.00008	.00007	.00226
#2	-.00202	-.00023	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2109.4**	**5677.1**	**80099.**	**10016.**
Stddev	.5	.2	114.	3.
%RSD	.02530	.00347	.14266	.02897
#1	2109.0	5677.0	80018.	10014.
#2	2109.8	5677.3	80180.	10018.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.846%	96.578%	97.060%	101.90%
Range				

Sample Name: 480-59324-b-6-a Acquired: 5/8/2014 18:58:56 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00154**	**.00806**	**.02005**	**.01420**	**-.00010**	**19.450**	**-.00002**	**.00048**
Stddev	.00045	.01406	.00090	.00012	.00004	.00013	.141	.00000	.00010
%RSD	453.33	915.31	11.152	.58274	.27356	138.23	.72704	.89860	20.196
#1	.00042	.01148	.00870	.02013	.01418	-.00000	19.550	-.00002	.00055
#2	-.00022	-.00840	.00743	.01997	.01423	-.00019	19.350	-.00002	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00025**	**4.2188**	**3.9197**	**.01323**	**5.4408**	**.51130**	**-.00006**	**40.814**
Stddev	.00026	.00042	.0049	.0074	.00046	.0031	.00076	.00008	.001
%RSD	95.624	170.13	.11631	.18895	3.4615	.05774	.14857	136.41	.00360
#1	.00009	-.00005	4.2153	3.9145	.01290	5.4386	.51184	-.00000	40.813
#2	.00046	.00055	4.2222	3.9250	.01355	5.4431	.51076	-.00012	40.815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**-.00116**	**4.457**	**-.00111**	**-.00081**	**11.351**	**-.00029**	**.10864**	**.00010**
Stddev	.00032	.00049	.027	.00046	.00021	.036	.00052	.00055	.00004
%RSD	39.634	42.146	.6016	41.424	26.039	.31854	176.10	.50461	36.234
#1	.00105	-.00082	4.476	-.00144	-.00066	11.377	.00007	.10825	.00012
#2	.00059	-.00151	4.438	-.00079	-.00096	11.326	-.00066	.10903	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00208**	**-.00016**	**.00102**
Stddev	.00007	.00007	.00036
%RSD	3.2434	41.426	35.051
#1	-.00204	-.00021	.00128
#2	-.00213	-.00012	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2173.4**	**5764.3**	**80335.**	**10042.**
Stddev	1.3	24.6	167.	66.
%RSD	.06037	.42723	.20786	.65856
#1	2174.3	5746.9	80453.	9995.6
#2	2172.4	5781.7	80217.	10089.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.662%	98.061%	97.345%	102.17%
Range				

Sample Name: 480-59324-b-7-a Acquired: 5/8/2014 19:01:42 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00842**	**.00104**	**.00686**	**.01051**	**-.00011**	**13.061**	**.00002**	**.00034**
Stddev	.00042	.00373	.00161	.00009	.00002	.00001	.043	.00001	.00005
%RSD	337.18	44.349	154.58	1.2812	.15388	12.039	.32592	25.027	14.109
#1	.00017	.00578	.00218	.00680	.01053	-.00012	13.091	.00003	.00038
#2	-.00042	.01106	-.00010	.00692	.01050	-.00010	13.031	.00002	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00048**	**.08681**	**1.7041**	**.01020**	**2.5959**	**.01753**	**.00201**	**13.941**
Stddev	.00003	.00001	.00099	.0021	.00035	.0070	.00003	.00002	.025
%RSD	15.341	2.3013	1.1395	.12028	3.4238	.26900	.14385	.83107	.17737
#1	.00025	.00049	.08611	1.7055	.00996	2.5909	.01754	.00199	13.959
#2	.00020	.00048	.08751	1.7026	.01045	2.6008	.01751	.00202	13.924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**-.00083**	**2.294**	**.00045**	**-.00104**	**10.372**	**.00017**	**.06916**	**.00031**
Stddev	.00011	.00014	.012	.00010	.00024	.016	.00029	.00017	.00024
%RSD	18.691	16.808	.5104	22.172	23.020	.14979	174.30	.24773	76.430
#1	.00068	-.00073	2.285	.00052	-.00120	10.361	.00037	.06928	.00049
#2	.00052	-.00093	2.302	.00038	-.00087	10.383	-.00004	.06904	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00117**	**-.00003**	**.00139**
Stddev	.00256	.00012	.00005
%RSD	218.93	449.18	3.4587
#1	-.00298	.00006	.00135
#2	.00064	-.00011	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2231.0**	**5833.5**	**81031.**	**9915.5**
Stddev	7.7	30.2	23.	15.8
%RSD	.34727	.51738	.02841	.15984
#1	2236.5	5854.8	81047.	9904.3
#2	2225.5	5812.1	81014.	9926.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.199%	99.238%	98.188%	100.88%
Range				

Sample Name: 480-59324-b-8-a Acquired: 5/8/2014 19:04:30 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02886**	**.09190**	**.55474**	**.28983**	**-.00004**	**117.36**	**-.00009**	**.02198**
Stddev	.00001	.00251	.00041	.00014	.00063	.00009	.64	.00001	.00018
%RSD	.79351	8.6824	.44918	.02528	.21804	247.52	.54857	11.324	.80244
#1	.00078	.02709	.09160	.55464	.28939	-.00010	116.90	-.00008	.02211
#2	.00079	.03063	.09219	.55483	.29028	.00003	117.81	-.00010	.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	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00222**	**.00122**	**95.847**	**29.890**	**.01131**	**30.220**	**2.9426**	**-.00080**	**75.812**
Stddev	.00052	.00009	.437	.074	.00047	.168	.0128	.00034	.104
%RSD	23.236	7.0466	.45593	.24660	4.1405	.55571	.43446	42.561	.13730
#1	.00259	.00128	95.538	29.838	.01165	30.339	2.9517	-.00056	75.738
#2	.00186	.00116	96.156	29.942	.01098	30.101	2.9336	-.00105	75.886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00724**	**-.00026**	**1.498**	**-.00106**	**.00035**	**7.4372**	**.00241**	**1.2200**	**.00053**
Stddev	.00036	.00116	.009	.00114	.00287	.0264	.00008	.0011	.00010
%RSD	5.0350	438.54	.6269	107.54	823.42	.35503	3.1739	.09367	18.289
#1	.00749	.00056	1.491	-.00025	.00237	7.4186	.00246	1.2209	.00046
#2	.00698	-.00109	1.504	-.00187	-.00168	7.4559	.00235	1.2192	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00091**	**.00280**	**.00330**
Stddev	.00003	.00019	.00060
%RSD	3.3700	6.8223	18.118
#1	-.00094	.00266	.00372
#2	-.00089	.00293	.00288
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2008.5**	**5518.2**	**77440.**	**9906.7**
Stddev	3.8	5.6	97.	56.5
%RSD	.18777	.10213	.12559	.57025
#1	2011.1	5522.2	77371.	9946.6
#2	2005.8	5514.2	77509.	9866.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.404%	93.875%	93.837%	100.79%
Range				

Sample Name: 480-59324-b-9-a Acquired: 5/8/2014 19:07:15 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.03377**	**.24468**	**.78539**	**.20688**	**-.00006**	**95.124**	**-.00054**	**.00140**
Stddev	.00031	.00747	.00265	.00062	.00024	.00004	.402	.00006	.00009
%RSD	47.088	22.115	1.0820	.07937	.11685	66.267	.42283	10.686	6.4400
#1	.00045	.03905	.24281	.78495	.20671	-.00009	94.839	-.00058	.00146
#2	.00089	.02849	.24656	.78583	.20705	-.00003	95.408	-.00050	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00233**	**.00075**	**93.672**	**34.814**	**.00128**	**15.944**	**.44292**	**-.00034**	**41.920**
Stddev	.00029	.00007	1.024	.057	.00040	.014	.00008	.00013	.148
%RSD	12.308	9.6022	1.0932	.16327	31.133	.08552	.01872	37.319	.35271
#1	.00213	.00080	92.948	34.774	.00100	15.954	.44286	-.00043	41.815
#2	.00254	.00070	94.396	34.854	.00156	15.934	.44298	-.00025	42.024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00680**	**.00060**	**1.072**	**-.00050**	**-.00023**	**8.3224**	**.00236**	**.57165**	**.00063**
Stddev	.00007	.00023	.003	.00209	.00033	.0214	.00019	.00153	.00013
%RSD	1.0858	37.704	.3054	416.08	147.69	.25664	8.0247	.26704	19.980
#1	.00685	.00044	1.070	.00097	.00001	8.3073	.00249	.57273	.00072
#2	.00675	.00076	1.075	-.00198	-.00046	8.3375	.00222	.57057	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00090**	**.00280**	**.00397**
Stddev	.00108	.00010	.00037
%RSD	120.45	3.4320	9.2801
#1	-.00167	.00287	.00423
#2	-.00013	.00274	.00371
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2056.2**	**5592.8**	**78823.**	**9952.2**
Stddev	.3	8.8	41.	53.0
%RSD	.01424	.15718	.05211	.53236
#1	2056.0	5599.0	78794.	9989.7
#2	2056.4	5586.6	78852.	9914.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.504%	95.143%	95.513%	101.26%
Range				

Sample Name: 480-59324-b-10-a Acquired: 5/8/2014 19:10:00 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.03536**	**.74926**	**.37856**	**.10044**	**-.00006**	**45.844**	F **-.00188**	**.00205**
Stddev	.00009	.00964	.00093	.00131	.00014	.00004	.185	.00012	.00012
%RSD	13.796	27.273	.12403	.34605	.13651	67.064	.40408	6.3217	5.6232
#1	.00057	.04218	.74860	.37948	.10054	-.00003	45.713	-.00196	.00213
#2	.00069	.02854	.74992	.37763	.10035	-.00009	45.975	-.00179	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								4.5000	
Low Limit								-.00100	

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00193**	**.00038**	**39.393**	**21.906**	**.00174**	**11.676**	**.69442**	**.00103**	**35.139**
Stddev	.00003	.00010	.066	.055	.00006	.018	.00092	.00002	.107
%RSD	1.7480	27.165	.16742	.24929	3.6520	.15427	.13187	1.9746	.30547
#1	.00190	.00045	39.346	21.867	.00170	11.663	.69377	.00105	35.064
#2	.00195	.00031	39.439	21.944	.00179	11.688	.69506	.00102	35.215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00724**	**-.00014**	**.7662**	**-.00017**	**.00012**	**8.1626**	**.00116**	**.39311**	**.00162**
Stddev	.00018	.00056	.0026	.00081	.00299	.0359	.00048	.00002	.00048
%RSD	2.4287	407.23	.3334	480.63	2512.5	.43914	40.975	.00518	29.713
#1	.00736	.00026	.7680	.00040	-.00199	8.1373	.00150	.39310	.00128
#2	.00711	-.00054	.7644	-.00074	.00223	8.1880	.00083	.39313	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00140**	**.00292**	**.00276**
Stddev	.00189	.00071	.00011
%RSD	135.13	24.395	3.8502
#1	-.00006	.00343	.00268
#2	-.00274	.00242	.00283
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2116.8**	**5661.9**	**79991.**	**10114.**
Stddev	.2	5.7	54.	46.
%RSD	.00773	.10003	.06691	.45039
#1	2116.7	5657.9	80029.	10146.
#2	2117.0	5665.9	79953.	10082.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.175%	96.319%	96.928%	102.90%
Range				

Sample Name: CCV Acquired: 5/8/2014 19:12:47 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49241**	**25.163**	**.51184**	**.49037**	**.50186**	**.50667**	**24.859**	**.49631**	**.49510**	**.49390**	**.49970**	**25.287**	**24.542**	**.49248**
Stddev	.00115	.229	.00284	.00236	.00406	.00344	.130	.00028	.00001	.00292	.00128	.088	.205	.00357
%RSD	.23425	.90954	.55447	.48170	.80850	.67877	.52150	.05573	.00292	.59185	.25596	.34675	.83458	.72569
#1	.49322	25.001	.50984	.48870	.49900	.50911	24.768	.49651	.49509	.49596	.50060	25.349	24.397	.48995
#2	.49159	25.324	.51385	.49204	.50473	.50424	24.951	.49612	.49511	.49183	.49879	25.225	24.687	.49500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.922**	**.50797**	**.49506**	**24.168**	**.50005**	**.49829**	**25.18**	**.50659**	**.50546**	**24.345**	**.48049**	**.49880**	**.48280**	**.50995**
Stddev	.095	.00313	.00038	.285	.00010	.00145	.05	.00089	.00143	.180	.00075	.00121	.00192	.00169
%RSD	.38008	.61683	.07730	1.1788	.01983	.29072	.1839	.17637	.28352	.73766	.15545	.24303	.39796	.33090
#1	24.989	.51019	.49479	23.967	.50012	.49726	25.15	.50596	.50445	24.218	.48102	.49966	.48416	.51114
#2	24.855	.50576	.49533	24.369	.49998	.49931	25.21	.50723	.50648	24.472	.47996	.49794	.48144	.50876
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.48663**	**.48727**
Stddev	.00380	.00543
%RSD	.78066	1.1136
#1	.48932	.49110
#2	.48395	.48343
Check ?	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	**2105.7**	**5728.5**	**80778.**	**10074.**
Stddev	1.1	12.8	486.	28.
%RSD	.05113	.22408	.60150	.27640
#1	2106.5	5737.6	80434.	10093.
#2	2105.0	5719.4	81121.	10054.

Sample Name: CCB Acquired: 5/8/2014 19:15:28 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00057**	**-.00017**	**-.00118**	**.00100**	**.00022**	**.00012**	**.03187**	**.00013**	**.00026**	**-.00004**	**-.00016**	**.03276**
Stddev	.00004	.00892	.00071	.00007	.00002	.00005	.00064	.00009	.00004	.00022	.00016	.00374
%RSD	6.7771	5378.3	59.748	6.8503	10.755	38.309	1.9979	70.830	16.007	510.01	101.99	11.410
#1	.00060	.00614	-.00169	.00105	.00023	.00016	.03232	.00020	.00023	.00011	-.00004	.03541
#2	.00055	-.00647	-.00068	.00095	.00020	.00009	.03142	.00007	.00029	-.00020	-.00027	.03012
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00434**	**.00034**	**.01609**	**.00055**	**.00036**	**.01203**	**.00021**	**-.00108**	**.0054**	**.00047**	**-.00060**	**.03064**
Stddev	.01856	.00077	.00100	.00008	.00003	.00423	.00041	.00009	.0018	.00081	.00049	.00222
%RSD	427.75	227.14	6.2052	14.744	8.1820	35.125	192.59	8.0582	33.06	173.94	81.514	7.2407
#1	-.00879	.00089	.01538	.00061	.00034	.00904	.00050	-.00114	.0067	-.00011	-.00095	.02907
#2	.01747	-.00021	.01680	.00049	.00038	.01502	-.00008	-.00101	.0041	.00104	-.00026	.03221
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00044**	**.00016**	**-.00082**	**.00010**	**.00004**
Stddev	.00036	.00005	.00013	.00075	.00010	.00015
%RSD	288.99	12.101	76.910	92.111	101.65	352.10
#1	.00013	.00047	.00025	-.00028	.00003	.00015
#2	-.00038	.00040	.00007	-.00135	.00016	-.00006
Check ?	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	**2280.6**	**5909.8**	**83181.**	**10207.**
Stddev	2.1	4.7	127.	25.
%RSD	.09112	.07971	.15218	.24781
#1	2282.0	5913.2	83091.	10189.
#2	2279.1	5906.5	83270.	10225.

Sample Name: CCVL Acquired: 5/8/2014 19:18:20 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00623**	**.18753**	**.01313**	**.01949**	**.00228**	**.00198**	**.48698**	**.00192**	**.00400**	**.00439**	**.00937**	**.04685**
Stddev	.00065	.00969	.00120	.00018	.00002	.00003	.00850	.00002	.00002	.00036	.00011	.00170
%RSD	10.356	5.1653	9.1718	.90287	.87341	1.6305	1.7454	1.2992	.59209	8.2855	1.1956	3.6291
#1	.00668	.18068	.01228	.01962	.00227	.00195	.49299	.00194	.00402	.00465	.00945	.04565
#2	.00577	.19438	.01398	.01937	.00229	.00200	.48097	.00190	.00398	.00414	.00929	.04805
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43986**	**.02828**	**.19979**	**.00279**	**.00982**	**.91424**	**.00962**	**.00995**	**.1976**	**.02017**	**.02354**	**.50235**
Stddev	.05353	.00091	.00089	.00001	.00001	.00260	.00018	.00013	.0033	.00085	.00123	.00144
%RSD	12.169	3.2326	.44591	.29668	.12098	.28411	1.9040	1.3333	1.645	4.1932	5.2446	.28688
#1	.47771	.02892	.19916	.00278	.00982	.91240	.00949	.01005	.1953	.02077	.02441	.50134
#2	.40202	.02763	.20042	.00280	.00981	.91607	.00975	.00986	.1999	.01958	.02267	.50337
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00893**	**.00481**	**.00426**	**.01880**	**.00499**	**.01008**
Stddev	.00020	.00009	.00040	.00042	.00010	.00026
%RSD	2.2948	1.8533	9.3181	2.2389	2.0469	2.6117
#1	.00907	.00487	.00398	.01910	.00491	.01027
#2	.00878	.00474	.00454	.01851	.00506	.00989
Check ?	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	**2284.1**	**5945.6**	**83591.**	**10164.**
Stddev	5.1	13.5	176.	1.
%RSD	.22205	.22782	.20997	.00878
#1	2287.7	5955.2	83467.	10164.
#2	2280.6	5936.0	83715.	10163.

Sample Name: 480-59324-b-11-a Acquired: 5/8/2014 19:21:11 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00556**	**-.00705**	**.70197**	**.25135**	**.06337**	**-.00004**	**80.885**	F **-.00145**	**.06022**
Stddev	.00051	.01916	.00066	.00060	.00020	.00002	.607	.00008	.00011
%RSD	9.1515	271.67	.09457	.23816	.31948	47.079	.75067	5.6467	.18989
#1	.00592	.00650	.70244	.25177	.06351	-.00005	81.314	-.00139	.06014
#2	.00520	-.02060	.70150	.25093	.06322	-.00003	80.455	-.00151	.06030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								4.5000	
Low Limit								-.00100	

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00152**	**.00304**	**486.87**	**15.769**	**.00177**	**5.4465**	**2.2383**	**-.00159**	**8.2457**
Stddev	.00033	.00016	2.80	.053	.00068	.0024	.0032	.00012	.0512
%RSD	21.417	5.2769	.57549	.33826	38.287	.04352	.14503	7.5666	.62039
#1	.00175	.00292	488.85	15.807	.00225	5.4448	2.2406	-.00168	8.2819
#2	.00129	.00315	484.89	15.731	.00129	5.4482	2.2360	-.00151	8.2096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04130**	**.00133**	**.4669**	**-.00473**	**.00300**	**13.112**	**.00693**	**.33309**	**.00016**
Stddev	.00040	.00042	.0039	.00116	.00128	.059	.00007	.00086	.00015
%RSD	.97592	31.575	.8325	24.567	42.608	.45127	.97519	.25721	96.706
#1	.04158	.00162	.4641	-.00555	.00390	13.153	.00698	.33249	.00027
#2	.04101	.00103	.4696	-.00391	.00209	13.070	.00689	.33370	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00745**	**.00439**	**.00974**
Stddev	.00019	.00026	.00062
%RSD	2.4855	5.9520	6.3206
#1	-.00759	.00421	.00930
#2	-.00732	.00458	.01017
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2073.0**	**5524.8**	**78272.**	**9988.2**
Stddev	1.6	6.0	153.	34.5
%RSD	.07553	.10848	.19597	.34560
#1	2074.1	5529.0	78163.	9963.8
#2	2071.8	5520.6	78380.	10013.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.243%	93.987%	94.845%	101.62%
Range				

Sample Name: BLANK 1;1 Acquired: 5/8/2014 19:23:54 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00190**	**.00009**	**.00453**	**.00031**	**-.00010**	**.03204**	**.00111**	**-.00064**
Stddev	.00028	.01669	.00213	.00001	.00001	.00001	.01242	.00004	.00007
%RSD	65.537	877.28	2425.7	.13841	2.7589	11.034	38.761	3.7223	10.961
#1	.00062	-.00990	-.00142	.00453	.00032	-.00011	.02326	.00114	-.00069
#2	.00023	.01370	.00160	.00454	.00031	-.00009	.04083	.00108	-.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	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00002**	**.20003**	**-.02737**	**.00013**	**.00335**	**.00016**	**.00166**	**.00312**
Stddev	.00047	.00016	.09451	.06171	.00012	.00084	.00003	.00042	.00529
%RSD	100.02	988.61	47.248	225.51	96.447	25.119	19.756	25.518	169.33
#1	.00080	.00013	.13320	-.07100	.00021	.00395	.00018	.00136	-.00062
#2	.00014	-.00010	.26686	.01627	.00004	.00276	.00014	.00196	.00686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00181**	**.00075**	**-.0221**	**-.00078**	**.01363**	**.53593**	**.00169**	**.00007**	**.00007**
Stddev	.00021	.00006	.0028	.00302	.00064	.16159	.00000	.00010	.00019
%RSD	11.523	7.4855	12.72	386.92	4.7063	30.152	.15028	135.94	253.09
#1	-.00196	.00079	-.0241	-.00292	.01317	.65020	.00169	.00000	.00021
#2	-.00166	.00071	-.0202	.00136	.01408	.42167	.00168	.00014	-.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.01428**	**.00074**	**-.00001**
Stddev	.00011	.00034	.00027
%RSD	.78015	45.969	3875.2
#1	-.01420	.00050	-.00020
#2	-.01436	.00098	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2112.2**	**4851.3**	**72216.**	**8105.0**
Stddev	23.0	56.6	402.	106.6
%RSD	1.0900	1.1666	.55710	1.3148
#1	2096.0	4811.3	71932.	8029.7
#2	2128.5	4891.4	72501.	8180.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.972%	82.530%	87.507%	82.462%
Range				

Sample Name: BLANK Acquired: 5/8/2014 19:26:45 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.01399**	**-.00005**	**.00413**	**.00029**	**-.00011**	**.01561**	**.00100**	**-.00074**
Stddev	.00038	.00839	.00032	.00044	.00001	.00004	.00652	.00013	.00003
%RSD	52.554	59.969	629.52	10.551	5.0749	40.412	41.738	12.722	3.4009
#1	.00045	.00805	.00018	.00382	.00030	-.00014	.02022	.00091	-.00072
#2	.00098	.01992	-.00028	.00443	.00028	-.00008	.01100	.00109	-.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**-.00048**	**.04466**	**-.03716**	**-.00040**	**.00009**	**-.00003**	**.00073**	**.00521**
Stddev	.00059	.00020	.00077	.00233	.00016	.00217	.00000	.00007	.00801
%RSD	102.65	42.931	1.7202	6.2833	39.927	2520.5	13.544	10.201	153.51
#1	.00099	-.00062	.04520	-.03881	-.00051	.00162	-.00003	.00068	-.00045
#2	.00016	-.00033	.04411	-.03551	-.00028	-.00145	-.00003	.00079	.01088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00154**	**.00087**	**-.0131**	**-.00067**	**.01072**	**.05327**	**.00132**	**.00010**	**-.00023**
Stddev	.00042	.00033	.0045	.00042	.00114	.00541	.00014	.00017	.00046
%RSD	27.514	38.597	34.07	62.292	10.661	10.162	10.588	170.47	198.73
#1	-.00124	.00063	-.0100	-.00096	.00992	.04945	.00142	-.00002	-.00055
#2	-.00184	.00110	-.0163	-.00037	.01153	.05710	.00122	.00021	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.01424**	**.00038**	**.00121**
Stddev	.00005	.00011	.00021
%RSD	.38620	29.412	17.628
#1	-.01428	.00030	.00106
#2	-.01420	.00046	.00136
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2144.3**	**4913.3**	**74648.**	**8454.4**
Stddev	4.1	10.9	184.	48.3
%RSD	.18911	.22227	.24609	.57164
#1	2141.5	4905.5	74518.	8420.3
#2	2147.2	4921.0	74778.	8488.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.384%	83.583%	90.454%	86.017%
Range				

Sample Name: mb 480-180829/3-b Acquired: 5/8/2014 19:29:36 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00111**	**.00004**	**.00279**	**.00040**	**-.00006**	**.07063**	**-.00003**	**.00016**
Stddev	.00022	.01264	.00079	.00002	.00000	.00007	.00402	.00006	.00023
%RSD	266.99	1138.0	1823.2	.68017	.33497	110.82	5.6903	210.74	140.36
#1	.00024	-.01005	.00060	.00278	.00040	-.00011	.07347	.00001	.00000
#2	-.00007	.00783	-.00051	.00280	.00040	-.00001	.06779	-.00007	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00055**	**.03189**	**-.01398**	**-.00023**	**.00340**	**.00006**	**-.00002**	**-.00945**
Stddev	.00012	.00028	.00217	.01958	.00164	.00211	.00005	.00010	.00474
%RSD	1857.4	50.601	6.8088	140.13	711.52	61.900	82.118	392.62	50.163
#1	-.00009	-.00075	.03343	-.02782	.00093	.00489	.00010	-.00009	-.00610
#2	.00008	-.00036	.03036	-.00013	-.00139	.00191	.00003	.00004	-.01280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**-.00059**	**.0011**	**-.00001**	**.00165**	**.02833**	**.00011**	**.00051**	**.00049**
Stddev	.00001	.00089	.0007	.00046	.00047	.00226	.00036	.00012	.00029
%RSD	9.9402	151.17	66.05	4269.3	28.550	7.9776	331.85	24.283	60.473
#1	-.00014	.00004	.0016	.00031	.00131	.02673	.00037	.00060	.00069
#2	-.00012	-.00122	.0006	-.00033	.00198	.02993	-.00015	.00042	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00156**	**.00018**	**.00050**
Stddev	.00008	.00026	.00014
%RSD	4.8217	142.84	27.774
#1	-.00161	.00036	.00040
#2	-.00151	-.00000	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2379.1**	**6263.0**	**88819.**	**10670.**
Stddev	17.5	89.1	958.	6.
%RSD	.73526	1.4228	1.0785	.05394
#1	2391.4	6326.0	89497.	10666.
#2	2366.7	6200.0	88142.	10674.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	104.72%	106.54%	107.63%	108.56%
Range				

Sample Name: lcs 480-180829/4-b Acquired: 5/8/2014 19:32:26 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04895**	**10.121**	**.19239**	**.19345**	**.19851**	**.19944**	**9.8567**	**.19193**	**.19319**
Stddev	.00022	.044	.00081	.00043	.00038	.00087	.0171	.00043	.00007
%RSD	.44378	.43415	.42202	.22239	.19356	.43580	.17319	.22226	.03460
#1	.04880	10.152	.19182	.19314	.19824	.20005	9.8688	.19163	.19324
#2	.04910	10.090	.19297	.19375	.19878	.19883	9.8446	.19223	.19314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20202**	**.19676**	**9.9322**	**9.4072**	**.19013**	**10.089**	**.20102**	**.19145**	**9.3718**
Stddev	.00080	.00153	.0214	.0205	.00074	.003	.00037	.00051	.0145
%RSD	.39384	.77993	.21562	.21825	.39082	.03312	.18491	.26815	.15512
#1	.20146	.19568	9.9474	9.4218	.19066	10.092	.20075	.19109	9.3820
#2	.20259	.19785	9.9171	9.3927	.18960	10.087	.20128	.19182	9.3615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19061**	**.19018**	**9.482**	**.19569**	**.19246**	**9.8949**	**.18343**	**.19402**	**.18691**
Stddev	.00014	.00043	.031	.00157	.00214	.0190	.00004	.00009	.00130
%RSD	.07517	.22625	.3253	.80178	1.1116	.19182	.02399	.04754	.69766
#1	.19071	.19048	9.460	.19458	.19095	9.9083	.18340	.19396	.18784
#2	.19051	.18987	9.504	.19680	.19398	9.8814	.18346	.19409	.18599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.20195**	**.19970**	**.19943**
Stddev	.00508	.00088	.00111
%RSD	2.5165	.43994	.55632
#1	.19836	.19908	.19865
#2	.20555	.20032	.20022
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2236.1**	**5966.2**	**82464.**	**10104.**
Stddev	3.9	21.1	489.	11.
%RSD	.17643	.35435	.59275	.11121
#1	2238.9	5981.2	82810.	10112.
#2	2233.3	5951.3	82118.	10096.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.424%	101.50%	99.925%	102.80%
Range				

Sample Name: 480-59400-f-1-a Acquired: 5/8/2014 19:35:05 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02719**	**-.00293**	**.20959**	**.07755**	**-.00007**	**65.019**	**.00012**	**.00021**
Stddev	.00045	.00061	.00070	.00003	.00006	.00006	.029	.00009	.00012
%RSD	281.57	2.2370	23.784	.01384	.07673	80.072	.04509	77.349	56.709
#1	-.00016	.02762	-.00342	.20957	.07751	-.00012	64.998	.00018	.00029
#2	.00048	.02676	-.00243	.20961	.07760	-.00003	65.040	.00005	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**.00032**	**1.0195**	**2.3140**	**.02007**	**41.097**	**.01049**	**.03207**	**18.935**
Stddev	.00012	.00031	.0060	.0026	.00002	.047	.00002	.00007	.011
%RSD	14.409	97.520	.59302	.11285	.10950	.11552	.20879	.23010	.05934
#1	.00095	.00054	1.0152	2.3121	.02008	41.131	.01051	.03212	18.943
#2	.00078	.00010	1.0238	2.3158	.02005	41.064	.01047	.03201	18.927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00068**	**4.560**	**-.00078**	**-.00055**	**10.367**	**-.00023**	**.84523**	**.00045**
Stddev	.00032	.00152	.007	.00125	.00070	.027	.00027	.00196	.00061
%RSD	112.10	223.16	.1486	160.46	127.66	.26228	117.74	.23167	135.24
#1	.00051	-.00039	4.565	-.00167	-.00005	10.348	-.00004	.84384	.00002
#2	.00006	.00175	4.555	.00011	-.00104	10.387	-.00042	.84661	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00148**	**-.00021**	**.00085**
Stddev	.00032	.00005	.00042
%RSD	21.377	23.451	49.879
#1	-.00170	-.00025	.00115
#2	-.00125	-.00018	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2126.7**	**5728.1**	**81001.**	**10127.**
Stddev	4.0	17.6	244.	23.
%RSD	.18866	.30752	.30079	.23138
#1	2129.5	5740.6	80828.	10144.
#2	2123.9	5715.7	81173.	10110.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.608%	97.446%	98.152%	103.03%
Range				

Sample Name: 480-59400-f-1-a SD@5 Acquired: 5/8/2014 19:37:52 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00955**	**.00022**	**.04137**	**.01608**	**-.00013**	**13.035**	**.00001**	**.00012**
Stddev	.00051	.01173	.00028	.00008	.00010	.00005	.055	.00001	.00008
%RSD	281.96	122.80	127.34	.19930	.59992	36.826	.42102	58.882	63.871
#1	-.00018	-.01785	.00002	.04132	.01601	-.00016	12.997	.00002	.00017
#2	.00054	-.00126	.00042	.04143	.01615	-.00009	13.074	.00001	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00068**	**.20889**	**.44255**	**.00374**	**8.0663**	**.00209**	**.00638**	**3.7035**
Stddev	.00021	.00016	.00146	.00625	.00071	.0320	.00007	.00012	.0085
%RSD	109.23	23.089	.69857	1.4121	18.858	.39706	3.2234	1.9209	.23064
#1	.00004	-.00079	.20993	.43813	.00424	8.0437	.00205	.00630	3.6975
#2	.00033	-.00057	.20786	.44697	.00324	8.0890	.00214	.00647	3.7095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00073**	**.8636**	**-.00157**	**.00013**	**2.0636**	**-.00038**	**.17075**	**.00033**
Stddev	.00031	.00086	.0044	.00109	.00275	.0276	.00026	.00042	.00018
%RSD	108.53	117.91	.5055	69.557	2052.2	1.3394	67.795	.24700	52.856
#1	.00051	.00133	.8667	-.00080	.00208	2.0440	-.00020	.17105	.00046
#2	.00007	.00012	.8605	-.00235	-.00181	2.0831	-.00056	.17045	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00050**	**-.00012**	**.00035**
Stddev	.00050	.00011	.00015
%RSD	98.954	87.248	42.672
#1	-.00086	-.00020	.00046
#2	-.00015	-.00005	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2238.1**	**5885.8**	**82777.**	**10167.**
Stddev	.8	11.6	397.	17.
%RSD	.03607	.19694	.48019	.17019
#1	2237.5	5877.7	83058.	10179.
#2	2238.6	5894.0	82496.	10155.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.510%	100.13%	100.30%	103.44%
Range				

Sample Name: 480-59400-f-1-a PDS Acquired: 5/8/2014 19:40:40 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04255**	**10.967**	**.22149**	**.41800**	**.29519**	**.21715**	**75.084**	**.20675**	**.20713**
Stddev	.00093	.037	.00017	.00132	.00019	.00049	.007	.00006	.00073
%RSD	2.1787	.33357	.07589	.31686	.06543	.22619	.00876	.02818	.35173
#1	.04320	10.941	.22161	.41894	.29505	.21680	75.089	.20671	.20662
#2	.04189	10.993	.22138	.41707	.29532	.21750	75.080	.20680	.20765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20808**	**.21072**	**11.437**	**12.910**	**.23391**	**51.130**	**.21724**	**.23697**	**29.703**
Stddev	.00038	.00024	.043	.059	.00057	.034	.00004	.00008	.048
%RSD	.18448	.11456	.37308	.45748	.24506	.06739	.01836	.03376	.16326
#1	.20781	.21089	11.467	12.868	.23351	51.106	.21727	.23703	29.669
#2	.20835	.21055	11.407	12.952	.23432	51.155	.21722	.23691	29.737
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20544**	**.20945**	**4.438**	**.20943**	**.21213**	**20.987**	**.16313**	**1.0536**	**.19898**
Stddev	.00030	.00122	.010	.00062	.00009	.072	.00013	.0002	.00083
%RSD	.14812	.58261	.2252	.29820	.04290	.34138	.08273	.01744	.41760
#1	.20522	.20859	4.445	.20898	.21207	20.937	.16323	1.0537	.19839
#2	.20565	.21031	4.431	.20987	.21219	21.038	.16303	1.0535	.19957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.21391**	**.20984**	**.20309**
Stddev	.00232	.00095	.00097
%RSD	1.0841	.45073	.47691
#1	.21227	.20917	.20241
#2	.21555	.21051	.20378
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2075.9**	**5731.3**	**79555.**	**10077.**
Stddev	3.8	25.7	34.	9.
%RSD	.18076	.44895	.04303	.09025
#1	2073.3	5713.1	79579.	10071.
#2	2078.6	5749.5	79531.	10083.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.373%	97.500%	96.400%	102.53%
Range				

Sample Name: 480-59400-f-1-b ms Acquired: 5/8/2014 19:43:19 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05198**	**10.746**	**.20954**	**.41577**	**.28739**	**.21079**	**75.151**	**.20521**	**.20484**
Stddev	.00039	.048	.00251	.00024	.00006	.00046	.167	.00036	.00041
%RSD	.75559	.44268	1.1983	.05685	.01921	.21955	.22284	.17562	.19887
#1	.05226	10.713	.20777	.41594	.28735	.21046	75.032	.20495	.20456
#2	.05170	10.780	.21132	.41560	.28743	.21111	75.269	.20546	.20513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20531**	**.20959**	**11.278**	**12.611**	**.22855**	**51.013**	**.21376**	**.23466**	**29.690**
Stddev	.00165	.00063	.029	.043	.00121	.305	.00070	.00064	.070
%RSD	.80163	.29905	.25311	.33799	.52929	.59781	.32781	.27393	.23747
#1	.20647	.21004	11.258	12.581	.22770	51.229	.21426	.23420	29.640
#2	.20415	.20915	11.298	12.642	.22941	50.797	.21327	.23511	29.739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20005**	**.20372**	F **14.88**	**.21207**	**.20677**	**20.842**	**.19640**	**1.0586**	**.19540**
Stddev	.00013	.00019	.02	.00071	.00069	.031	.00011	.0013	.00006
%RSD	.06427	.09106	.1272	.33494	.33447	.14732	.05514	.11912	.02898
#1	.20014	.20385	14.89	.21157	.20726	20.820	.19632	1.0577	.19544
#2	.19996	.20359	14.87	.21257	.20628	20.863	.19648	1.0595	.19536
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.21408**	**.20727**	**.19515**
Stddev	.00262	.00042	.00317
%RSD	1.2229	.20497	1.6238
#1	.21223	.20757	.19739
#2	.21593	.20697	.19290
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2067.5**	**5676.7**	**79846.**	**10084.**
Stddev	1.8	1.0	290.	32.
%RSD	.08853	.01802	.36337	.31361
#1	2068.8	5677.5	79640.	10107.
#2	2066.2	5676.0	80051.	10062.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.002%	96.572%	96.752%	102.60%
Range				

Sample Name: CCV Acquired: 5/8/2014 19:46:01 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49143**	**25.192**	**.50389**	**.48191**	**.49999**	**.50302**	**24.817**	**.49145**	**.49443**	**.49799**	**.49863**	**25.053**	**24.584**	**.49297**
Stddev	.00179	.035	.00257	.00107	.00146	.00289	.124	.00082	.00003	.00059	.00096	.136	.123	.00179
%RSD	.36413	.14004	.50906	.22101	.29141	.57379	.49906	.16596	.00603	.11903	.19323	.54256	.50185	.36317
#1	.49269	25.216	.50207	.48116	.50102	.50506	24.904	.49088	.49445	.49757	.49931	25.149	24.671	.49424
#2	.49016	25.167	.50570	.48266	.49896	.50098	24.729	.49203	.49441	.49841	.49795	24.957	24.497	.49171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.825**	**.50611**	**.48868**	**24.136**	**.50005**	**.49958**	**24.80**	**.49777**	**.49589**	**24.348**	**.48301**	**.49400**	**.47998**	**.51094**
Stddev	.043	.00094	.00013	.065	.00042	.00148	.08	.00198	.00041	.106	.00059	.00326	.00093	.00132
%RSD	.17436	.18671	.02753	.26831	.08476	.29547	.3029	.39733	.08369	.43341	.12189	.65990	.19389	.25846
#1	24.856	.50677	.48859	24.182	.49975	.50063	24.75	.49637	.49619	24.423	.48342	.49631	.48064	.51001
#2	24.795	.50544	.48878	24.090	.50035	.49854	24.85	.49917	.49560	24.274	.48259	.49170	.47933	.51188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.48806**	**.49492**
Stddev	.00019	.00204
%RSD	.03819	.41276
#1	.48793	.49348
#2	.48820	.49637
Check ?	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	**2134.4**	**5861.0**	**81136.**	**10159.**
Stddev	1.8	11.2	51.	48.
%RSD	.08381	.19081	.06226	.47109
#1	2135.7	5868.9	81100.	10125.
#2	2133.2	5853.1	81172.	10193.

Sample Name: CCB Acquired: 5/8/2014 19:48:42 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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**	**-.00270**	**-.00222**	**.00100**	**.00013**	**.00011**	**.00948**	**.00013**	**.00019**	**.00015**	**-.00058**	**.00162**
Stddev	.00050	.01965	.00185	.00030	.00003	.00006	.00323	.00001	.00005	.00016	.00006	.00218
%RSD	328.64	728.28	83.398	29.730	20.062	50.510	34.026	8.0456	26.864	107.81	9.9895	134.27
#1	-.00051	.01119	-.00091	.00121	.00015	.00016	.01176	.00012	.00022	.00004	-.00054	.00316
#2	.00020	-.01659	-.00353	.00079	.00011	.00007	.00720	.00013	.00015	.00026	-.00062	.00008
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01536**	**-.00026**	**.00962**	**.00018**	**.00022**	**-.01223**	**.00016**	**.00004**	**-.0014**	**.00070**	**.00144**	**.03116**
Stddev	.01334	.00038	.00009	.00001	.00027	.00717	.00013	.00040	.0000	.00173	.00345	.00506
%RSD	86.879	145.80	.98483	4.7061	122.83	58.582	81.419	1069.7	2.069	247.50	239.76	16.256
#1	-.00592	-.00054	.00969	.00019	.00042	-.01730	.00025	.00032	-.0014	.00192	.00387	.02758
#2	-.02480	.00001	.00955	.00017	.00003	-.00717	.00007	-.00025	-.0014	-.00052	-.00100	.03474
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**.00046**	**-.00012**	**-.00003**	**-.00008**	**.00012**
Stddev	.00020	.00000	.00000	.00010	.00022	.00045
%RSD	43.609	.47537	3.4864	312.58	255.63	384.50
#1	-.00031	.00046	-.00012	-.00011	-.00024	-.00020
#2	-.00059	.00046	-.00012	.00004	.00007	.00043
Check ?	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	**2294.4**	**5967.5**	**83780.**	**10141.**
Stddev	.9	12.7	244.	93.
%RSD	.04004	.21249	.29152	.91537
#1	2293.7	5976.4	83608.	10207.
#2	2295.0	5958.5	83953.	10075.

Sample Name: CCVL Acquired: 5/8/2014 19:51:34 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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**	**.20131**	**.01393**	**.01927**	**.00233**	**.00201**	**.48867**	**.00187**	**.00415**	**.00384**	**.00869**	**.04541**
Stddev	.00076	.00732	.00146	.00022	.00001	.00004	.00020	.00002	.00005	.00005	.00017	.00191
%RSD	13.384	3.6370	10.513	1.1570	.28263	1.7664	.04068	1.1414	1.1872	1.2446	1.9118	4.2123
#1	.00624	.19613	.01290	.01942	.00234	.00198	.48853	.00186	.00411	.00381	.00880	.04406
#2	.00516	.20649	.01497	.01911	.00233	.00203	.48881	.00189	.00418	.00388	.00857	.04677
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43955**	**.02785**	**.20463**	**.00287**	**.00980**	**.88814**	**.00958**	**.00880**	**.1984**	**.01998**	**.02577**	**.47477**
Stddev	.00679	.00066	.00386	.00007	.00010	.00692	.00023	.00053	.0043	.00048	.00087	.00477
%RSD	1.5438	2.3547	1.8873	2.5452	1.0376	.77943	2.3905	6.0125	2.166	2.4040	3.3814	1.0045
#1	.43475	.02738	.20736	.00292	.00987	.88325	.00942	.00917	.2014	.02032	.02639	.47814
#2	.44435	.02831	.20190	.00282	.00973	.89304	.00974	.00842	.1954	.01964	.02516	.47140
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00916**	**.00491**	**.00448**	**.01999**	**.00453**	**.00962**
Stddev	.00019	.00003	.00018	.00164	.00027	.00044
%RSD	2.1199	.69302	4.0550	8.1981	6.0086	4.5927
#1	.00930	.00488	.00435	.01883	.00434	.00931
#2	.00902	.00493	.00461	.02115	.00472	.00993
Check ?	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	**2297.0**	**5999.9**	**84088.**	**10107.**
Stddev	1.9	5.3	5.	17.
%RSD	.08457	.08798	.00543	.16521
#1	2298.4	6003.7	84084.	10119.
#2	2295.6	5996.2	84091.	10095.

Sample Name: 480-59400-f-1-c msd Acquired: 5/8/2014 19:54:24 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05039**	**10.537**	**.20786**	**.40300**	**.27921**	**.20977**	**74.695**	**.20317**	**.20329**
Stddev	.00031	.047	.00009	.00019	.00024	.00036	.042	.00011	.00034
%RSD	.61757	.44426	.04403	.04713	.08510	.17275	.05590	.05265	.16630
#1	.05017	10.504	.20779	.40313	.27938	.20951	74.725	.20309	.20305
#2	.05061	10.571	.20792	.40286	.27904	.21003	74.666	.20324	.20353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20408**	**.20390**	**11.304**	**12.362**	**.22021**	**50.855**	**.21436**	**.23092**	**28.705**
Stddev	.00029	.00016	.009	.088	.00160	.212	.00020	.00008	.150
%RSD	.14250	.07995	.08025	.71550	.72736	.41627	.09237	.03568	.52387
#1	.20429	.20402	11.311	12.299	.21907	50.705	.21422	.23086	28.599
#2	.20388	.20379	11.298	12.425	.22134	51.005	.21450	.23098	28.812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20035**	**.20245**	F **14.68**	**.20614**	**.20436**	**20.496**	**.19474**	**1.0359**	**.19419**
Stddev	.00041	.00165	.01	.00059	.00185	.047	.00005	.0009	.00034
%RSD	.20502	.81266	.0512	.28646	.90305	.22738	.02365	.08265	.17286
#1	.20006	.20128	14.67	.20655	.20566	20.463	.19478	1.0353	.19395
#2	.20064	.20361	14.68	.20572	.20305	20.529	.19471	1.0365	.19443
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.21445**	**.20352**	**.19731**
Stddev	.00074	.00023	.00108
%RSD	.34501	.11118	.54979
#1	.21497	.20336	.19655
#2	.21393	.20368	.19808
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2079.9**	**5755.5**	**79990.**	**9907.0**
Stddev	2.6	.7	58.	16.9
%RSD	.12675	.01272	.07227	.17074
#1	2081.8	5755.0	80031.	9895.1
#2	2078.1	5756.0	79949.	9919.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.549%	97.911%	96.928%	100.80%
Range				

Sample Name: 480-59400-f-2-a Acquired: 5/8/2014 19:57:03 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00932**	**-.00086**	**.17733**	**.07933**	**-.00008**	**69.215**	**.00018**	**.00026**
Stddev	.00017	.02437	.00006	.00012	.00008	.00000	.087	.00001	.00003
%RSD	103.71	261.63	6.7484	.06898	.09983	5.8168	.12637	3.4922	9.5606
#1	-.00004	-.00792	-.00082	.17724	.07928	-.00007	69.277	.00019	.00028
#2	-.00028	.02655	-.00091	.17741	.07939	-.00008	69.154	.00018	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.00004**	**.80610**	**2.3200**	**.01993**	**39.774**	**.01416**	**.03470**	**19.163**
Stddev	.00006	.00013	.00839	.0099	.00117	.161	.00005	.00020	.080
%RSD	7.0675	361.45	1.0405	.42661	5.8783	.40486	.33569	.56582	.41720
#1	.00084	-.00006	.81203	2.3130	.01910	39.887	.01419	.03484	19.107
#2	.00092	.00013	.80017	2.3270	.02076	39.660	.01413	.03457	19.220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**-.00130**	**5.480**	**-.00050**	**-.00073**	**8.5745**	**-.00044**	**.60923**	**.00082**
Stddev	.00060	.00098	.016	.00092	.00189	.0252	.00016	.00402	.00005
%RSD	83.911	75.388	.2981	185.02	258.73	.29379	35.964	.66018	6.1647
#1	.00115	-.00061	5.469	.00015	-.00206	8.5923	-.00056	.61207	.00085
#2	.00029	-.00200	5.492	-.00115	.00061	8.5567	-.00033	.60638	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00170**	**-.00024**	**.00125**
Stddev	.00068	.00016	.00023
%RSD	40.012	66.329	18.431
#1	.00218	-.00035	.00109
#2	.00122	-.00013	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2117.3**	**5716.7**	**79985.**	**9914.3**
Stddev	4.5	7.9	370.	14.1
%RSD	.21223	.13803	.46231	.14193
#1	2120.5	5722.3	79723.	9904.4
#2	2114.1	5711.2	80246.	9924.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.194%	97.252%	96.921%	100.87%
Range				

Sample Name: 480-59400-f-3-a Acquired: 5/8/2014 19:59:49 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00126**	**.00011**	**.41636**	**.05919**	**-.00011**	**55.809**	**.00016**	**.00033**
Stddev	.00008	.01607	.00062	.00018	.00013	.00008	.340	.00006	.00010
%RSD	18.391	1278.1	555.85	.04251	.21817	73.723	.60951	36.282	31.366
#1	.00046	.01011	-.00033	.41624	.05928	-.00005	56.050	.00012	.00026
#2	.00036	-.01262	.00055	.41649	.05910	-.00017	55.569	.00021	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00032**	**.33715**	**2.6114**	**.01902**	**41.726**	**.01349**	**.01666**	**29.267**
Stddev	.00023	.00018	.00334	.0301	.00017	.197	.00003	.00005	.077
%RSD	44.170	57.583	.99055	1.1526	.88159	.47231	.21916	.28510	.26259
#1	.00036	.00044	.33478	2.5901	.01890	41.865	.01351	.01670	29.212
#2	.00069	.00019	.33951	2.6327	.01913	41.586	.01347	.01663	29.321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**-.00083**	**5.400**	**.00001**	**-.00074**	**8.7993**	**-.00039**	**1.6725**	**.00055**
Stddev	.00029	.00001	.015	.00033	.00212	.0492	.00031	.0026	.00009
%RSD	41.623	1.1334	.2859	2866.0	285.55	.55927	79.328	.15457	16.194
#1	.00090	-.00082	5.389	.00024	-.00224	8.8341	-.00061	1.6707	.00061
#2	.00049	-.00084	5.411	-.00022	.00076	8.7645	-.00017	1.6744	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00076**	**-.00041**	**.00071**
Stddev	.00018	.00020	.00050
%RSD	23.325	50.098	70.342
#1	.00088	-.00026	.00106
#2	.00063	-.00055	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2109.4**	**5697.8**	**79523.**	**10023.**
Stddev	2.0	4.4	365.	56.
%RSD	.09528	.07671	.45898	.55418
#1	2110.8	5700.9	79265.	9983.3
#2	2108.0	5694.7	79781.	10062.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.847%	96.930%	96.362%	101.97%
Range				

Sample Name: 480-59400-f-4-a Acquired: 5/8/2014 20:02:36 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00287**	**.00068**	**.37869**	**.02398**	**-.00015**	**57.394**	**.00016**	**.00016**
Stddev	.00019	.00354	.00057	.00008	.00013	.00003	.200	.00003	.00007
%RSD	74.000	123.33	83.430	.02039	.52596	21.250	.34827	16.561	44.032
#1	-.00040	.00537	.00109	.37875	.02407	-.00018	57.253	.00014	.00021
#2	-.00012	.00037	.00028	.37864	.02389	-.00013	57.535	.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	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**-.00009**	**.25381**	**2.9191**	**.01906**	**41.386**	**.00600**	**.01812**	**27.059**
Stddev	.00076	.00035	.00307	.0104	.00083	.131	.00008	.00002	.020
%RSD	124.00	391.62	1.2109	.35554	4.3400	.31672	1.3025	.13499	.07253
#1	.00008	.00016	.25598	2.9265	.01848	41.478	.00595	.01814	27.073
#2	.00116	-.00034	.25164	2.9118	.01965	41.293	.00606	.01810	27.045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00029**	**7.308**	**-.00125**	**-.00030**	**6.2435**	**.00023**	**1.8465**	**.00018**
Stddev	.00011	.00014	.002	.00086	.00166	.0222	.00038	.0004	.00004
%RSD	25.155	48.915	.0257	68.678	554.70	.35523	166.08	.02036	21.014
#1	.00035	.00019	7.306	-.00186	-.00147	6.2278	-.00004	1.8462	.00021
#2	.00049	.00038	7.309	-.00065	.00087	6.2592	.00049	1.8468	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00283**	**-.00056**	**.00085**
Stddev	.00187	.00011	.00041
%RSD	66.198	20.407	48.174
#1	-.00151	-.00048	.00056
#2	-.00416	-.00064	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2108.3**	**5723.5**	**79844.**	**10056.**
Stddev	.2	9.8	419.	48.
%RSD	.00816	.17156	.52422	.48030
#1	2108.2	5716.6	79548.	10090.
#2	2108.4	5730.5	80140.	10022.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.799%	97.367%	96.750%	102.31%
Range				

Sample Name: 480-59400-f-5-a Acquired: 5/8/2014 20:05:22 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00933**	**.00295**	**.05578**	**.09490**	**-.00010**	**94.602**	**.00016**	**.00015**
Stddev	.00022	.00194	.00362	.00012	.00052	.00002	.285	.00004	.00004
%RSD	909.55	20.796	122.94	.20997	.54421	23.239	.30079	26.905	25.416
#1	-.00013	.01070	.00551	.05587	.09453	-.00009	94.401	.00013	.00012
#2	.00018	.00796	.00039	.05570	.09526	-.00012	94.803	.00019	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00029**	**.73027**	**1.7748**	**.00859**	**49.950**	**.02747**	**.00995**	**11.195**
Stddev	.00031	.00003	.00777	.0063	.00094	.255	.00017	.00016	.066
%RSD	54.584	11.046	1.0642	.35447	10.900	.51100	.61931	1.5613	.59025
#1	.00035	.00027	.73576	1.7703	.00793	50.130	.02759	.01006	11.149
#2	.00080	.00032	.72477	1.7792	.00925	49.769	.02735	.00984	11.242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00071**	F **44.36**	**.00070**	**-.00177**	**7.5956**	**-.00018**	**.26200**	**.00083**
Stddev	.00052	.00028	.10	.00041	.00040	.0112	.00019	.00001	.00042
%RSD	1001.3	39.327	.2281	59.002	22.433	.14711	105.49	.00500	50.596
#1	.00042	-.00091	44.29	.00099	-.00149	7.5877	-.00005	.26199	.00113
#2	-.00032	-.00052	44.43	.00041	-.00205	7.6035	-.00032	.26201	.00054
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00104**	**-.00035**	**.00137**
Stddev	.00017	.00006	.00036
%RSD	15.889	17.779	26.561
#1	-.00116	-.00031	.00162
#2	-.00092	-.00040	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2088.2**	**5604.3**	**79147.**	**9901.9**
Stddev	.1	4.6	80.	28.4
%RSD	.00548	.08179	.10127	.28673
#1	2088.3	5601.1	79204.	9922.0
#2	2088.1	5607.6	79091.	9881.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.914%	95.340%	95.906%	100.74%
Range				

Sample Name: 480-59400-f-6-a Acquired: 5/8/2014 20:08:08 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.01599**	**-.00062**	**.25042**	**.06109**	**-.00006**	**67.314**	**.00016**	**.00015**
Stddev	.00042	.00011	.00194	.00000	.00015	.00003	.012	.00007	.00005
%RSD	79.625	.66251	310.40	.00106	.24624	49.582	.01754	44.037	32.491
#1	.00083	.01592	-.00199	.25042	.06119	-.00008	67.322	.00011	.00011
#2	.00023	.01607	.00075	.25041	.06098	-.00004	67.306	.00021	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**-.00007**	**.54982**	**2.1526**	**.01715**	**44.011**	**.00803**	**.02035**	**23.075**
Stddev	.00018	.00019	.00016	.0185	.00021	.024	.00002	.00036	.163
%RSD	65.690	295.13	.02974	.86020	1.2433	.05481	.30983	1.7761	.70487
#1	.00014	.00007	.54993	2.1657	.01730	43.994	.00802	.02009	23.190
#2	.00039	-.00020	.54970	2.1395	.01700	44.028	.00805	.02060	22.960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00037**	F **15.53**	**-.00078**	**.00008**	**7.6439**	**-.00087**	**1.2293**	**.00039**
Stddev	.00007	.00057	.06	.00076	.00150	.0494	.00035	.0033	.00006
%RSD	35.493	152.80	.4068	98.127	1987.3	.64622	39.798	.27051	15.694
#1	.00024	.00078	15.57	-.00024	.00113	7.6789	-.00111	1.2317	.00043
#2	.00014	-.00003	15.48	-.00132	-.00098	7.6090	-.00062	1.2270	.00034
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00117**	**-.00022**	**.00061**
Stddev	.00348	.00042	.00029
%RSD	296.97	193.50	47.834
#1	-.00363	-.00052	.00041
#2	.00129	.00008	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2104.6**	**5669.2**	**80241.**	**10138.**
Stddev	2.3	8.0	361.	25.
%RSD	.10931	.14173	.44957	.25126
#1	2102.9	5663.5	80497.	10120.
#2	2106.2	5674.9	79986.	10156.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.634%	96.443%	97.232%	103.14%
Range				

Sample Name: 480-59400-f-7-a Acquired: 5/8/2014 20:10:53 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.03743**	**.00097**	**.28380**	**.07179**	**-.00009**	**74.215**	**.00015**	**.00014**
Stddev	.00010	.01360	.00093	.00011	.00005	.00006	.572	.00014	.00024
%RSD	44.146	36.341	95.410	.03750	.06664	65.694	.77022	94.156	171.12
#1	-.00016	.04705	.00163	.28372	.07182	-.00005	74.619	.00005	.00030
#2	-.00030	.02781	.00032	.28387	.07175	-.00014	73.811	.00025	-.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00021**	**.65850**	**2.6627**	**.02136**	**47.870**	**.00730**	**.01890**	**23.785**
Stddev	.00066	.00010	.00862	.0189	.00007	.012	.00002	.00023	.012
%RSD	119.96	46.437	1.3094	.71148	.33446	.02479	.27572	1.2428	.04941
#1	.00102	.00014	.66460	2.6761	.02141	47.879	.00732	.01873	23.794
#2	.00008	.00028	.65240	2.6494	.02131	47.862	.00729	.01906	23.777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00020**	F **14.25**	**.00030**	**-.00062**	**8.9208**	**-.00015**	**1.2546**	**.00019**
Stddev	.00019	.00015	.07	.00016	.00218	.0407	.00005	.0018	.00014
%RSD	36.291	71.762	.4712	53.773	352.45	.45583	31.305	.14690	75.991
#1	.00039	.00010	14.20	.00042	.00092	8.9495	-.00011	1.2533	.00009
#2	.00066	.00031	14.30	.00019	-.00216	8.8920	-.00018	1.2559	.00029
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00215**	**-.00032**	**.00050**
Stddev	.00267	.00013	.00017
%RSD	124.40	40.663	34.072
#1	-.00026	-.00041	.00063
#2	-.00404	-.00023	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2092.4**	**5640.0**	**79440.**	**9948.6**
Stddev	5.6	17.6	22.	78.9
%RSD	.26577	.31254	.02788	.79264
#1	2096.3	5652.5	79424.	9892.9
#2	2088.5	5627.6	79455.	10004.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.098%	95.947%	96.261%	101.22%
Range				

Sample Name: 480-59400-f-8-a Acquired: 5/8/2014 20:13:39 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**-.00697**	**-.00133**	**.20819**	**.08103**	**-.00009**	**76.703**	**.00020**	**.00019**
Stddev	.00048	.01066	.00256	.00011	.00012	.00005	.072	.00009	.00001
%RSD	77.361	152.89	192.28	.05048	.15345	56.234	.09421	46.381	6.4641
#1	.00028	-.01451	.00048	.20811	.08112	-.00005	76.652	.00026	.00020
#2	.00097	.00057	-.00315	.20826	.08094	-.00012	76.755	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**.00005**	**.76997**	**2.4471**	**.02050**	**53.072**	**.00728**	**.02571**	**21.110**
Stddev	.00028	.00002	.01460	.0369	.00040	.249	.00003	.00007	.004
%RSD	32.285	28.656	1.8960	1.5079	1.9627	.47001	.35599	.25858	.01760
#1	.00066	.00006	.75965	2.4732	.02078	52.895	.00726	.02576	21.107
#2	.00105	.00004	.78030	2.4210	.02021	53.248	.00730	.02566	21.113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00016**	F **18.96**	**-.00099**	**.00240**	**9.9423**	**.00002**	**1.0322**	**.00050**
Stddev	.00000	.00080	.07	.00147	.00244	.0229	.00069	.0027	.00022
%RSD	.56642	501.50	.3778	148.60	101.58	.22994	3408.7	.25905	45.064
#1	.00042	-.00073	18.91	-.00203	.00412	9.9261	.00051	1.0303	.00034
#2	.00042	.00041	19.02	.00005	.00068	9.9585	-.00047	1.0341	.00065
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00157**	**-.00013**	**.00041**
Stddev	.00087	.00047	.00005
%RSD	55.432	359.34	10.994
#1	-.00218	.00020	.00038
#2	-.00095	-.00046	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2089.1**	**5638.7**	**79669.**	**10122.**
Stddev	2.3	9.6	246.	30.
%RSD	.11080	.17017	.30927	.29779
#1	2090.8	5645.5	79843.	10143.
#2	2087.5	5632.0	79495.	10100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.955%	95.925%	96.538%	102.98%
Range				

Sample Name: 480-59400-f-9-a Acquired: 5/8/2014 20:16:25 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00781**	**-.00064**	**.56816**	**.01460**	**-.00001**	**60.160**	**.00016**	**.00018**
Stddev	.00043	.00148	.00117	.00315	.00011	.00001	.097	.00007	.00012
%RSD	91.608	18.954	181.75	.55366	.75029	52.207	.16099	45.749	65.719
#1	.00076	.00885	.00018	.56594	.01453	-.00001	60.228	.00011	.00009
#2	.00016	.00676	-.00147	.57039	.01468	-.00001	60.091	.00022	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.00018**	**.03202**	**5.9361**	**.02114**	**37.473**	**.00418**	**.00468**	**28.555**
Stddev	.00008	.00029	.00176	.0558	.00026	.082	.00005	.00022	.013
%RSD	8.8403	162.85	5.4967	.93949	1.2372	.21934	1.2032	4.7576	.04513
#1	.00086	-.00003	.03326	5.8967	.02096	37.415	.00421	.00452	28.546
#2	.00097	.00038	.03077	5.9756	.02133	37.531	.00414	.00484	28.564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00013**	**8.778**	**.00008**	**-.00066**	**3.9951**	**-.00005**	**.82870**	**.00042**
Stddev	.00031	.00094	.045	.00022	.00488	.0056	.00001	.00209	.00016
%RSD	173.10	739.90	.5105	283.80	742.45	.14039	27.981	.25170	38.835
#1	-.00004	.00079	8.746	-.00008	-.00410	3.9912	-.00004	.82723	.00053
#2	.00039	-.00054	8.810	.00023	.00279	3.9991	-.00006	.83018	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00057**	**-.00029**	**-.00021**
Stddev	.00006	.00048	.00003
%RSD	11.335	164.15	15.385
#1	.00052	.00005	-.00023
#2	.00061	-.00063	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2103.3**	**5620.0**	**79814.**	**10129.**
Stddev	8.7	25.6	479.	15.
%RSD	.41277	.45493	.60000	.14592
#1	2109.5	5638.1	80152.	10139.
#2	2097.2	5601.9	79475.	10119.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.579%	95.606%	96.714%	103.05%
Range				

Sample Name: CCV Acquired: 5/8/2014 20:19:14 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48933**	**25.183**	**.50861**	**.48765**	**.50183**	**.50407**	**24.693**	**.49254**	**.49106**	**.49180**	**.49770**	**25.033**	**24.536**	**.49379**
Stddev	.00003	.060	.00211	.00019	.00081	.00100	.024	.00021	.00095	.00072	.00019	.017	.027	.00372
%RSD	.00614	.23840	.41535	.03844	.16061	.19791	.09666	.04364	.19385	.14704	.03800	.06778	.11003	.75284
#1	.48935	25.140	.51010	.48751	.50240	.50478	24.676	.49239	.49173	.49129	.49784	25.045	24.555	.49642
#2	.48931	25.225	.50712	.48778	.50126	.50337	24.710	.49269	.49039	.49231	.49757	25.021	24.517	.49116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.742**	**.50290**	**.49189**	**24.192**	**.49571**	**.49387**	**24.86**	**.50418**	**.50235**	**24.287**	**.47813**	**.49570**	**.48083**	**.50415**
Stddev	.043	.00064	.00056	.058	.00073	.00130	.02	.00035	.00298	.009	.00135	.00049	.00133	.00361
%RSD	.17426	.12671	.11474	.23971	.14763	.26271	.0864	.06897	.59362	.03623	.28220	.09829	.27716	.71574
#1	24.712	.50245	.49228	24.233	.49623	.49479	24.87	.50442	.50446	24.281	.47909	.49535	.47989	.50670
#2	24.773	.50335	.49149	24.151	.49520	.49295	24.84	.50393	.50024	24.294	.47718	.49604	.48177	.50160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.48428**	**.48553**
Stddev	.00019	.00124
%RSD	.03958	.25526
#1	.48442	.48465
#2	.48415	.48641
Check ?	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	**2125.9**	**5782.2**	**81550.**	**10161.**
Stddev	.1	2.5	231.	18.
%RSD	.00617	.04240	.28324	.17547
#1	2126.0	5784.0	81714.	10173.
#2	2125.8	5780.5	81387.	10148.

Sample Name: CCB Acquired: 5/8/2014 20:21:55 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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**	**-.01003**	**-.00115**	**.00125**	**.00006**	**-.00005**	**.00021**	**.00000**	**.00012**	**-.00039**	**-.00042**	**-.00016**
Stddev	.00057	.00946	.00042	.00024	.00002	.00001	.00408	.00002	.00007	.00003	.00009	.00324
%RSD	1248.3	94.355	36.437	19.035	34.935	12.639	1964.6	552.20	63.419	7.7756	21.093	1986.7
#1	-.00045	-.01672	-.00144	.00142	.00007	-.00005	-.00267	.00002	.00006	-.00041	-.00049	.00212
#2	.00036	-.00334	-.00085	.00108	.00004	-.00006	.00309	-.00001	.00017	-.00037	-.00036	-.00245
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02039**	**-.00025**	**.00439**	**.00008**	**.00009**	**-.01544**	**-.00007**	**-.00046**	**.0023**	**.00215**	**-.00207**	**.02011**
Stddev	.02151	.00063	.00041	.00010	.00012	.00184	.00027	.00005	.0024	.00013	.00013	.00554
%RSD	105.48	250.85	9.2343	118.25	143.01	11.882	412.12	10.999	101.7	6.2414	6.2020	27.524
#1	-.03559	-.00070	.00410	.00001	.00017	-.01674	.00013	-.00042	.0006	.00225	-.00216	.01620
#2	-.00518	.00020	.00468	.00016	-.00000	-.01415	-.00026	-.00049	.0040	.00206	-.00197	.02402
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00009**	**.00030**	**-.00159**	**-.00010**	**.00021**
Stddev	.00028	.00030	.00002	.00285	.00004	.00011
%RSD	499.40	350.39	7.6657	179.60	38.766	50.580
#1	-.00014	-.00013	.00028	-.00360	-.00007	.00028
#2	.00025	.00030	.00031	.00043	-.00013	.00013
Check ?	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	**2289.5**	**5948.0**	**83533.**	**10088.**
Stddev	3.2	18.6	218.	9.
%RSD	.14134	.31189	.26061	.08765
#1	2291.8	5961.1	83687.	10082.
#2	2287.2	5934.9	83379.	10094.

Sample Name: CCVL Acquired: 5/8/2014 20:24:47 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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**	**.20371**	**.01429**	**.01952**	**.00234**	**.00187**	**.48497**	**.00183**	**.00406**	**.00403**	**.00912**	**.04618**
Stddev	.00003	.00425	.00015	.00002	.00000	.00023	.00228	.00004	.00012	.00024	.00036	.00053
%RSD	.49292	2.0848	1.0311	.09425	.16016	12.256	.47028	2.0621	2.9694	5.8876	3.9118	1.1574
#1	.00600	.20671	.01419	.01953	.00235	.00203	.48658	.00185	.00397	.00386	.00938	.04580
#2	.00596	.20071	.01440	.01951	.00234	.00170	.48335	.00180	.00414	.00420	.00887	.04655
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45921**	**.02840**	**.19927**	**.00283**	**.00975**	**.91922**	**.00960**	**.00929**	**.1969**	**.02021**	**.02408**	**.48215**
Stddev	.00067	.00051	.00127	.00006	.00000	.00304	.00012	.00041	.0016	.00037	.00045	.02390
%RSD	.14605	1.7915	.63824	2.0974	.02486	.33097	1.2578	4.4638	.8109	1.8527	1.8569	4.9570
#1	.45968	.02876	.20017	.00287	.00975	.92137	.00968	.00958	.1980	.01994	.02376	.49905
#2	.45873	.02804	.19837	.00279	.00975	.91707	.00951	.00900	.1958	.02047	.02439	.46525
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00923**	**.00487**	**.00489**	**.01937**	**.00461**	**.00918**
Stddev	.00007	.00004	.00020	.00011	.00005	.00037
%RSD	.80332	.82891	4.1144	.57187	1.1424	3.9797
#1	.00917	.00484	.00503	.01945	.00457	.00892
#2	.00928	.00490	.00475	.01929	.00464	.00944
Check ?	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	**2287.6**	**5958.0**	**83267.**	**10232.**
Stddev	.7	33.3	271.	60.
%RSD	.02913	.55962	.32541	.59114
#1	2288.1	5934.4	83075.	10189.
#2	2287.2	5981.6	83458.	10275.

Sample Name: 480-59400-f-10-a Acquired: 5/8/2014 20:27:37 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01337**	**.00152**	**.28989**	**.06921**	**-.00011**	**70.371**	**.00015**	**.00023**
Stddev	.00023	.01215	.00105	.00389	.00024	.00001	.486	.00005	.00025
%RSD	595.28	90.828	68.733	1.3422	.35081	9.2446	.69035	35.953	109.76
#1	.00021	.02196	.00226	.29264	.06938	-.00012	70.715	.00018	.00040
#2	-.00013	.00478	.00078	.28714	.06904	-.00010	70.028	.00011	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**-.00002**	**.59711**	**3.1077**	**.02124**	**47.852**	**.00734**	**.02149**	**25.841**
Stddev	.00013	.00006	.00045	.0233	.00175	.188	.00006	.00018	.082
%RSD	14.072	243.76	.07537	.74929	8.2544	.39213	.78451	.85858	.31679
#1	.00098	.00002	.59743	3.1242	.02000	47.984	.00739	.02162	25.899
#2	.00080	-.00006	.59680	3.0912	.02248	47.719	.00730	.02136	25.783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**-.00032**	F **17.64**	**.00072**	**-.00273**	**8.3847**	**.00015**	**.89179**	**.00098**
Stddev	.00017	.00050	.10	.00170	.00103	.0189	.00003	.00029	.00012
%RSD	24.943	158.59	.5768	234.85	37.808	.22575	20.954	.03289	12.146
#1	.00081	.00004	17.71	.00193	-.00200	8.3981	.00017	.89200	.00106
#2	.00057	-.00067	17.57	-.00048	-.00346	8.3713	.00013	.89159	.00089
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00042**	**-.00030**	**.00173**
Stddev	.00169	.00023	.00003
%RSD	398.43	75.948	1.6594
#1	.00162	-.00046	.00171
#2	-.00077	-.00014	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2090.4**	**5647.7**	**79998.**	**10028.**
Stddev	6.5	73.3	105.	40.
%RSD	.30914	1.2983	.13103	.39448
#1	2085.8	5595.8	79924.	10000.
#2	2094.9	5699.5	80072.	10056.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.009%	96.077%	96.937%	102.03%
Range				

Sample Name: 480-59400-f-11-a Acquired: 5/8/2014 20:30:23 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00549**	**.00022**	**.48201**	**.01389**	**-.00012**	**59.126**	**.00013**	**.00017**
Stddev	.00024	.00230	.00101	.00070	.00003	.00001	.150	.00006	.00002
%RSD	70.443	42.009	449.40	.14520	.23608	11.932	.25420	44.154	10.620
#1	-.00017	-.00712	-.00049	.48152	.01387	-.00013	59.233	.00009	.00018
#2	-.00051	-.00386	.00094	.48251	.01391	-.00011	59.020	.00016	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**-.00002**	**.06809**	**5.0962**	**.02204**	**35.596**	**.00503**	**.00939**	**37.177**
Stddev	.00005	.00019	.00207	.0685	.00001	.038	.00008	.00003	.113
%RSD	6.5922	840.70	3.0446	1.3437	.06463	.10718	1.6311	.34487	.30444
#1	.00076	.00011	.06662	5.0478	.02205	35.569	.00498	.00937	37.097
#2	.00069	-.00016	.06955	5.1447	.02203	35.623	.00509	.00941	37.257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00019**	F **13.07**	**-.00047**	**-.00065**	**3.9963**	**-.00024**	**.76637**	**.00040**
Stddev	.00006	.00153	.05	.00012	.00167	.0331	.00013	.00235	.00002
%RSD	9.3551	793.99	.3600	26.358	256.36	.82817	51.597	.30674	4.5529
#1	.00073	.00127	13.11	-.00055	.00053	3.9729	-.00033	.76471	.00041
#2	.00064	-.00089	13.04	-.00038	-.00183	4.0197	-.00015	.76803	.00039
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00009**	**-.00014**	**.00066**
Stddev	.00014	.00022	.00002
%RSD	147.96	151.04	3.3802
#1	.00019	-.00030	.00068
#2	-.00000	.00001	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2088.6**	**5581.5**	**80270.**	**10158.**
Stddev	2.9	9.2	231.	2.
%RSD	.13756	.16414	.28728	.02381
#1	2090.6	5588.0	80433.	10160.
#2	2086.5	5575.1	80107.	10157.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.930%	94.952%	97.267%	103.35%
Range				

Sample Name: 480-59400-f-12-a Acquired: 5/8/2014 20:33:10 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01492**	**.00328**	**.27380**	**.03933**	**-.00006**	**61.557**	**.00017**	**.00039**
Stddev	.00056	.00213	.00176	.00057	.00014	.00008	.027	.00002	.00003
%RSD	108.91	14.255	53.743	.20684	.36503	138.71	.04378	14.965	8.7467
#1	-.00012	.01341	.00203	.27340	.03923	-.00012	61.576	.00018	.00041
#2	-.00091	.01642	.00453	.27420	.03943	-.00000	61.538	.00015	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00088**	**.08303**	**2.8722**	**.02212**	**45.377**	**.01152**	**.02439**	**25.025**
Stddev	.00018	.00006	.00244	.0192	.00003	.226	.00001	.00010	.127
%RSD	40.016	6.5762	2.9387	.66753	.14161	.49857	.12316	.40635	.50769
#1	.00032	.00084	.08131	2.8857	.02214	45.537	.01153	.02432	24.935
#2	.00056	.00092	.08476	2.8586	.02210	45.217	.01151	.02446	25.115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**-.00028**	F **11.55**	**-.00087**	**.00010**	**8.8182**	**.00004**	**1.2705**	**.00069**
Stddev	.00001	.00119	.04	.00060	.00118	.0493	.00027	.0072	.00038
%RSD	.65598	421.92	.3393	68.880	1217.9	.55863	749.80	.56338	55.579
#1	.00123	.00056	11.52	-.00130	-.00074	8.7834	-.00016	1.2654	.00042
#2	.00124	-.00112	11.58	-.00045	.00093	8.8531	.00023	1.2755	.00096
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00066**	**-.00035**	**.00144**
Stddev	.00135	.00007	.00036
%RSD	204.96	20.836	24.885
#1	.00030	-.00041	.00170
#2	-.00162	-.00030	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2095.8**	**5606.1**	**78898.**	**9881.8**
Stddev	5.1	22.6	1.	43.2
%RSD	.24401	.40229	.00175	.43732
#1	2099.4	5622.1	78897.	9851.2
#2	2092.2	5590.2	78899.	9912.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.247%	95.371%	95.604%	100.54%
Range				

Sample Name: 480-59400-f-13-a Acquired: 5/8/2014 20:35:55 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00456**	**.00071**	**.27592**	**.08408**	**-.00008**	**66.796**	**.00016**	**.00023**
Stddev	.00029	.00669	.00201	.00046	.00005	.00004	.010	.00003	.00001
%RSD	53.708	146.69	285.21	.16650	.05828	49.558	.01518	17.341	5.0968
#1	.00033	.00929	-.00072	.27625	.08405	-.00005	66.789	.00018	.00024
#2	.00075	-.00017	.00213	.27560	.08412	-.00011	66.803	.00014	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00018**	**.66569**	**2.7537**	**.02488**	**46.447**	**.01236**	**.02903**	**25.335**
Stddev	.00007	.00023	.00890	.0347	.00033	.053	.00000	.00028	.388
%RSD	10.402	125.23	1.3365	1.2584	1.3270	.11491	.02673	.94796	1.5316
#1	.00074	.00002	.65940	2.7782	.02511	46.485	.01236	.02923	25.610
#2	.00064	.00034	.67198	2.7292	.02464	46.409	.01236	.02884	25.061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**-.00073**	F **12.04**	**-.00053**	**.00198**	**9.7223**	**-.00005**	**1.1787**	**.00045**
Stddev	.00019	.00041	.03	.00074	.00136	.0280	.00015	.0053	.00013
%RSD	26.776	56.395	.2640	139.92	68.610	.28854	305.89	.44510	28.632
#1	.00086	-.00102	12.02	-.00001	.00102	9.7421	-.00016	1.1824	.00036
#2	.00058	-.00044	12.06	-.00105	.00294	9.7025	.00006	1.1750	.00054
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00188**	**-.00010**	**.00075**
Stddev	.00168	.00023	.00010
%RSD	89.438	223.92	13.666
#1	-.00306	-.00027	.00082
#2	-.00069	.00006	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2083.4**	**5591.7**	**79093.**	**10098.**
Stddev	.3	16.0	11.	28.
%RSD	.01520	.28530	.01407	.27731
#1	2083.7	5603.0	79101.	10117.
#2	2083.2	5580.4	79085.	10078.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.704%	95.125%	95.840%	102.73%
Range				

Sample Name: 480-59400-f-14-a Acquired: 5/8/2014 20:38:41 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01449**	**-.00076**	**.27865**	**.06606**	**-.00006**	**65.604**	**.00015**	**.00251**
Stddev	.00015	.01076	.00082	.00104	.00004	.00007	.303	.00003	.00001
%RSD	66.685	74.215	108.29	.37245	.06086	129.07	.46162	21.048	.28336
#1	.00032	.00689	-.00018	.27792	.06609	-.00011	65.390	.00013	.00251
#2	.00012	.02210	-.00133	.27939	.06603	-.00000	65.818	.00017	.00252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**-.00003**	**.67232**	**2.6785**	**.02398**	**46.322**	**.06412**	**.02791**	**25.154**
Stddev	.00011	.00011	.00363	.0131	.00010	.059	.00049	.00053	.065
%RSD	15.790	367.48	.53923	.48764	.43348	.12699	.76349	1.9107	.25872
#1	.00061	-.00011	.66976	2.6692	.02391	46.280	.06377	.02754	25.108
#2	.00076	.00005	.67489	2.6877	.02406	46.363	.06446	.02829	25.200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00200**	**-.00075**	F **11.67**	**.00023**	**-.00022**	**7.7860**	**-.00001**	**1.2079**	**.00037**
Stddev	.00012	.00013	.03	.00151	.00189	.0103	.00014	.0018	.00018
%RSD	5.8855	17.799	.2957	647.86	875.54	.13186	1367.1	.15255	48.920
#1	.00208	-.00066	11.64	-.00083	.00112	7.7933	-.00011	1.2066	.00024
#2	.00192	-.00084	11.69	.00130	-.00156	7.7788	.00009	1.2092	.00050
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00163**	**-.00040**	**.00077**
Stddev	.00324	.00008	.00019
%RSD	198.90	19.053	24.928
#1	.00066	-.00035	.00064
#2	-.00392	-.00045	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2084.9**	**5577.0**	**80215.**	**10275.**
Stddev	.4	25.0	90.	40.
%RSD	.02063	.44845	.11212	.39320
#1	2085.2	5594.7	80279.	10304.
#2	2084.6	5559.4	80152.	10247.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.769%	94.875%	97.200%	104.54%
Range				

Sample Name: 480-59400-f-15-a Acquired: 5/8/2014 20:41:26 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00614**	**.00032**	**.36306**	**.10933**	**-.00007**	**53.808**	**.00019**	**.00015**
Stddev	.00060	.00835	.00052	.00234	.00060	.00011	.831	.00002	.00007
%RSD	2062.3	136.03	163.01	.64563	.54684	162.77	1.5447	7.9001	42.065
#1	.00045	.01205	-.00005	.36141	.10975	.00001	53.220	.00020	.00020
#2	-.00040	.00023	.00069	.36472	.10890	-.00014	54.396	.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	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00023**	**.59504**	**2.7214**	**.01884**	**36.482**	**.01405**	**.02872**	**29.177**
Stddev	.00020	.00004	.00477	.0290	.00009	.128	.00011	.00016	.016
%RSD	36.919	16.113	.80196	1.0640	.46898	.35198	.77491	.54264	.05541
#1	.00040	.00026	.59167	2.7009	.01877	36.573	.01413	.02861	29.188
#2	.00068	.00021	.59842	2.7418	.01890	36.391	.01397	.02883	29.166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**-.00011**	**4.464**	**-.00005**	**.00020**	**7.3135**	**.00018**	**1.1889**	**.00023**
Stddev	.00004	.00064	.018	.00020	.00182	.0321	.00008	.0021	.00008
%RSD	9.4268	570.51	.3971	402.71	904.30	.43820	41.929	.17956	36.203
#1	.00043	.00034	4.451	.00009	-.00108	7.2908	.00013	1.1904	.00017
#2	.00049	-.00056	4.476	-.00019	.00149	7.3361	.00024	1.1874	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00033**	**-.00009**	**.00052**
Stddev	.00033	.00017	.00030
%RSD	100.74	195.63	56.935
#1	-.00010	-.00021	.00073
#2	-.00057	.00003	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2108.7**	**5673.7**	**79722.**	**10171.**
Stddev	3.0	29.3	300.	133.
%RSD	.14413	.51726	.37623	1.3035
#1	2110.9	5694.4	79510.	10265.
#2	2106.6	5652.9	79934.	10077.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.817%	96.519%	96.603%	103.48%
Range				

Sample Name: 480-59400-f-16-a Acquired: 5/8/2014 20:44:12 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01769**	**.00055**	**.35415**	**.16290**	**-.00005**	**54.518**	**.00011**	**.00047**
Stddev	.00013	.01218	.00166	.00055	.00028	.00004	.323	.00005	.00001
%RSD	60.218	68.843	302.10	.15657	.17365	86.841	.59219	46.203	2.2891
#1	.00012	.00908	.00172	.35376	.16310	-.00002	54.747	.00015	.00046
#2	.00030	.02631	-.00062	.35455	.16270	-.00008	54.290	.00008	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**.00185**	**.87777**	**2.4961**	**.01970**	**36.597**	**.02394**	**.02556**	**29.861**
Stddev	.00040	.00003	.00211	.0277	.00001	.048	.00003	.00002	.087
%RSD	39.652	1.4609	.24008	1.1079	.03850	.13129	.10970	.05903	.29107
#1	.00130	.00187	.87628	2.4766	.01969	36.563	.02396	.02555	29.923
#2	.00073	.00183	.87926	2.5157	.01970	36.631	.02393	.02557	29.800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00172**	**3.419**	**.00005**	**.00084**	**7.9662**	**-.00031**	**1.1736**	**.00027**
Stddev	.00005	.00025	.004	.00000	.00176	.0519	.00006	.0020	.00002
%RSD	9.2449	14.475	.1024	3.0136	209.06	.65139	19.183	.17237	6.1849
#1	.00055	.00154	3.421	.00005	.00209	8.0029	-.00035	1.1722	.00028
#2	.00048	.00189	3.416	.00005	-.00040	7.9295	-.00027	1.1750	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00033**	**-.00032**	**.00228**
Stddev	.00166	.00010	.00049
%RSD	510.07	31.545	21.547
#1	-.00085	-.00025	.00262
#2	.00150	-.00039	.00193
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2105.8**	**5649.4**	**79496.**	**10173.**
Stddev	2.3	20.6	65.	38.
%RSD	.10844	.36542	.08118	.36863
#1	2107.4	5664.0	79450.	10147.
#2	2104.2	5634.8	79542.	10200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.688%	96.107%	96.329%	103.50%
Range				

Sample Name: 480-59400-f-17-a Acquired: 5/8/2014 20:46:58 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00986**	**.00368**	**.35912**	**.10999**	**-.00005**	**53.466**	**.00016**	**.00027**
Stddev	.00108	.00605	.00018	.00043	.00022	.00004	.136	.00002	.00001
%RSD	101820.	61.379	4.7798	.11937	.19903	78.655	.25507	14.418	2.8845
#1	-.00076	.01415	.00356	.35881	.11015	-.00008	53.370	.00014	.00026
#2	.00077	.00558	.00381	.35942	.10984	-.00002	53.563	.00018	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**-.00023**	**.46593**	**2.5366**	**.01897**	**35.278**	**.02745**	**.03142**	**28.729**
Stddev	.00055	.00012	.00274	.0219	.00044	.130	.00023	.00011	.176
%RSD	90.140	51.527	.58897	.86422	2.3006	.36779	.82225	.35811	.61098
#1	.00100	-.00031	.46787	2.5211	.01866	35.370	.02761	.03150	28.853
#2	.00022	-.00014	.46399	2.5521	.01928	35.186	.02729	.03134	28.605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**-.00041**	**3.915**	**.00028**	**.00050**	**7.3012**	**.00014**	**1.1033**	**.00079**
Stddev	.00015	.00063	.021	.00043	.00073	.0187	.00004	.0037	.00016
%RSD	22.920	152.58	.5445	151.10	144.77	.25660	27.708	.33358	20.308
#1	.00075	.00003	3.930	.00058	.00102	7.3145	.00017	1.1059	.00068
#2	.00054	-.00085	3.900	-.00002	-.00001	7.2880	.00011	1.1007	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00029**	**-.00016**	**.00098**
Stddev	.00208	.00007	.00051
%RSD	725.81	46.565	52.764
#1	-.00176	-.00021	.00134
#2	.00119	-.00011	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2100.9**	**5595.7**	**80616.**	**10283.**
Stddev	1.7	6.9	264.	40.
%RSD	.07984	.12401	.32764	.38805
#1	2099.7	5600.6	80429.	10311.
#2	2102.1	5590.8	80803.	10255.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.472%	95.193%	97.686%	104.62%
Range				

Sample Name: 480-59400-f-18-a Acquired: 5/8/2014 20:49:43 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**.01133**	**.00281**	**.09623**	**.07197**	**-.00014**	**93.007**	**.00014**	**.00015**
Stddev	.00020	.00374	.00168	.00011	.00007	.00001	.345	.00006	.00002
%RSD	36.494	33.003	59.900	.11447	.09112	8.2659	.37125	43.036	11.664
#1	-.00041	.00868	.00400	.09615	.07192	-.00014	92.763	.00010	.00016
#2	-.00069	.01397	.00162	.09631	.07201	-.00015	93.251	.00018	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**.00006**	**1.8490**	**1.8808**	**.01909**	**47.161**	**.02009**	**.02881**	**11.599**
Stddev	.00005	.00011	.0025	.0313	.00008	.062	.00010	.00008	.025
%RSD	6.5750	189.28	.13569	1.6653	.42849	.13217	.51250	.28876	.21458
#1	.00070	.00014	1.8507	1.8586	.01903	47.205	.02016	.02875	11.581
#2	.00077	-.00002	1.8472	1.9029	.01915	47.117	.02001	.02887	11.616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00016**	F **27.40**	**-.00037**	**.00010**	**10.115**	**.00004**	**.29937**	**.00061**
Stddev	.00027	.00060	.06	.00159	.00041	.042	.00019	.00033	.00007
%RSD	97.508	368.43	.2225	430.36	415.20	.41309	456.18	.10955	11.594
#1	.00046	-.00026	27.44	.00075	.00038	10.085	-.00009	.29960	.00056
#2	.00008	.00059	27.36	-.00149	-.00019	10.145	.00017	.29914	.00066
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00208**	**-.00025**	**.00057**
Stddev	.00050	.00003	.00011
%RSD	23.917	12.699	19.909
#1	-.00173	-.00027	.00049
#2	-.00244	-.00023	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2073.5**	**5497.0**	**79753.**	**10209.**
Stddev	1.5	1.4	71.	53.
%RSD	.07087	.02479	.08929	.52370
#1	2072.5	5496.1	79702.	10247.
#2	2074.6	5498.0	79803.	10172.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.268%	93.515%	96.640%	103.87%
Range				

Sample Name: CCV Acquired: 5/8/2014 20:52:32 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48728**	**25.375**	**.50994**	**.49354**	**.50661**	**.50317**	**24.393**	**.49163**	**.48883**	**.49004**	**.50159**	**24.741**	**24.834**	**.50539**
Stddev	.00198	.029	.00433	.00116	.00020	.00089	.015	.00025	.00074	.00182	.00049	.005	.065	.00091
%RSD	.40587	.11406	.84831	.23578	.03860	.17769	.06264	.05013	.15209	.37163	.09779	.01944	.25998	.18103
#1	.48868	25.395	.51300	.49437	.50675	.50381	24.382	.49181	.48831	.48875	.50124	24.745	24.880	.50604
#2	.48588	25.354	.50688	.49272	.50647	.50254	24.403	.49146	.48936	.49133	.50194	24.738	24.789	.50475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.395**	**.49829**	**.49264**	**24.584**	**.49166**	**.49104**	**24.91**	**.50635**	**.50507**	**24.282**	**.47405**	**.49738**	**.47840**	**.50179**
Stddev	.021	.00038	.00052	.072	.00017	.00108	.01	.00335	.00362	.020	.00391	.00030	.00331	.00233
%RSD	.08484	.07555	.10457	.29311	.03384	.22020	.0444	.66087	.71691	.08053	.82499	.06111	.69195	.46372
#1	24.410	.49802	.49301	24.635	.49154	.49028	24.90	.50871	.50763	24.268	.47129	.49717	.48074	.50015
#2	24.380	.49855	.49228	24.533	.49178	.49181	24.91	.50398	.50251	24.296	.47682	.49760	.47606	.50344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.48378**	**.47564**
Stddev	.00017	.00375
%RSD	.03578	.78787
#1	.48390	.47299
#2	.48365	.47829
Check ?	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	**2115.2**	**5715.2**	**81427.**	**10260.**
Stddev	2.2	16.0	163.	2.
%RSD	.10380	.27984	.20005	.02145
#1	2113.6	5703.9	81542.	10258.
#2	2116.7	5726.5	81311.	10261.

Sample Name: CCB Acquired: 5/8/2014 20:55:13 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**-.00023**	**-.00450**	**-.00011**	**.00119**	**.00003**	**-.00006**	**-.00185**	**.00001**	**.00002**	**.00014**	**-.00016**	**.00025**
Stddev	.00011	.01041	.00008	.00026	.00002	.00001	.00021	.00003	.00003	.00032	.00008	.00390
%RSD	45.350	231.36	73.781	22.020	79.026	13.859	11.266	354.06	132.12	228.42	51.707	1576.8
#1	-.00016	.00286	-.00017	.00138	.00001	-.00006	-.00170	-.00001	.00004	.00037	-.00010	.00301
#2	-.00031	-.01186	-.00005	.00101	.00004	-.00007	-.00200	.00003	.00000	-.00009	-.00022	-.00251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03599**	**.00098**	**.00111**	**.00012**	**.00012**	**-.01643**	**.00016**	**-.00058**	**-.0024**	**.00035**	**-.00005**	**.02189**
Stddev	.06093	.00013	.00129	.00000	.00005	.00547	.00000	.00093	.0017	.00029	.00024	.00833
%RSD	169.28	12.927	116.18	3.9535	45.697	33.283	1.0709	159.40	70.68	83.241	434.65	38.057
#1	-.07907	.00089	.00020	.00011	.00016	-.02030	.00016	.00007	-.0012	.00014	.00011	.02778
#2	.00709	.00107	.00203	.00012	.00008	-.01256	.00017	-.00124	-.0036	.00056	-.00022	.01600
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00004**	**-.00022**	**-.00082**	**.00020**	**.00004**
Stddev	.00008	.00002	.00004	.00065	.00012	.00003
%RSD	51.083	43.064	19.294	79.613	62.838	77.443
#1	-.00011	.00005	-.00019	-.00036	.00029	.00006
#2	-.00022	.00003	-.00025	-.00128	.00011	.00002
Check ?	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	**2284.2**	**5952.2**	**82015.**	**9847.7**
Stddev	1.6	30.1	306.	70.2
%RSD	.07117	.50638	.37288	.71313
#1	2285.4	5973.5	81799.	9798.1
#2	2283.1	5930.9	82231.	9897.4

Sample Name: CCVL Acquired: 5/8/2014 20:58:04 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00604**	**.18588**	**.01387**	**.01953**	**.00226**	**.00194**	**.47778**	**.00185**	**.00408**	**.00400**	**.00867**	**.04163**
Stddev	.00054	.01306	.00160	.00008	.00002	.00006	.00089	.00006	.00006	.00012	.00019	.00522
%RSD	8.9519	7.0251	11.498	.42748	1.0807	2.9827	.18706	3.4887	1.3613	2.8942	2.2323	12.529
#1	.00642	.19511	.01500	.01947	.00228	.00190	.47715	.00189	.00404	.00392	.00881	.03794
#2	.00566	.17665	.01275	.01959	.00224	.00199	.47841	.00180	.00412	.00409	.00853	.04531
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43684**	**.02737**	**.19606**	**.00280**	**.00989**	**.89153**	**.00956**	**.00939**	**.2004**	**.02031**	**.02337**	**.47956**
Stddev	.01179	.00050	.00621	.00001	.00008	.00881	.00023	.00062	.0040	.00114	.00167	.00966
%RSD	2.6990	1.8133	3.1693	.19080	.83876	.98778	2.3838	6.5731	2.009	5.6225	7.1495	2.0136
#1	.44518	.02701	.20045	.00280	.00995	.88530	.00940	.00896	.2032	.01951	.02455	.47273
#2	.42851	.02772	.19167	.00279	.00983	.89775	.00972	.00983	.1975	.02112	.02218	.48639
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00869**	**.00487**	**.00428**	**.01765**	**.00455**	**.00952**
Stddev	.00006	.00000	.00015	.00004	.00015	.00001
%RSD	.69057	.00826	3.5737	.22333	3.3518	.11248
#1	.00865	.00487	.00439	.01768	.00466	.00951
#2	.00873	.00487	.00417	.01762	.00445	.00953
Check ?	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	**2283.8**	**5928.8**	**84532.**	**10212.**
Stddev	12.4	31.1	777.	113.
%RSD	.54119	.52375	.91886	1.1072
#1	2292.5	5950.7	83983.	10292.
#2	2275.0	5906.8	85081.	10132.

Sample Name: 480-59400-f-19-a Acquired: 5/8/2014 21:00:55 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01413**	**.00086**	**.36506**	**.09403**	**-.00010**	**53.876**	**.00012**	**.00025**
Stddev	.00060	.01272	.00039	.00077	.00013	.00002	.257	.00013	.00004
%RSD	150.52	89.983	45.591	.21162	.13645	16.886	.47790	108.36	17.274
#1	-.00003	.00514	.00113	.36561	.09412	-.00011	53.694	.00021	.00022
#2	.00083	.02313	.00058	.36452	.09394	-.00009	54.058	.00003	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00094**	**.00037**	**.19053**	**2.5228**	**.02056**	**37.126**	**.01777**	**.02724**	**30.107**
Stddev	.00018	.00003	.00058	.0412	.00081	.042	.00005	.00016	.314
%RSD	19.065	9.3200	.30476	1.6316	3.9275	.11387	.27568	.57384	1.0429
#1	.00081	.00040	.19012	2.4937	.02113	37.096	.01773	.02735	29.885
#2	.00106	.00035	.19094	2.5519	.01998	37.156	.01780	.02713	30.329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**-.00080**	**4.918**	**-.00038**	**-.00023**	**8.3416**	**-.00034**	**1.2305**	**.00026**
Stddev	.00001	.00035	.039	.00044	.00131	.0546	.00038	.0030	.00012
%RSD	1.6826	44.211	.8000	116.86	566.19	.65483	112.87	.24731	47.757
#1	.00067	-.00105	4.946	-.00007	-.00116	8.3029	-.00061	1.2283	.00017
#2	.00069	-.00055	4.890	-.00069	.00069	8.3802	-.00007	1.2326	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00085**	**-.00020**	**.00088**
Stddev	.00074	.00005	.00049
%RSD	87.918	23.992	55.481
#1	-.00032	-.00017	.00054
#2	-.00137	-.00024	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2102.9**	**5604.3**	**80554.**	**10190.**
Stddev	7.8	11.6	27.	28.
%RSD	.37168	.20682	.03374	.27352
#1	2097.4	5596.1	80535.	10209.
#2	2108.5	5612.5	80573.	10170.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.563%	95.339%	97.611%	103.67%
Range				

Sample Name: 480-59400-f-20-a Acquired: 5/8/2014 21:03:41 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01111**	**.00110**	**.31637**	**.07320**	**-.00015**	**66.449**	**.00022**	**.00013**
Stddev	.00028	.00957	.00036	.00291	.00010	.00005	.221	.00001	.00007
%RSD	104.44	86.149	32.421	.91874	.14299	34.925	.33315	6.3196	52.704
#1	-.00046	.01788	.00135	.31432	.07327	-.00011	66.293	.00023	.00008
#2	-.00007	.00434	.00085	.31843	.07312	-.00019	66.606	.00021	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00023**	**.66262**	**2.6099**	**.02056**	**44.361**	**.00678**	**.01891**	**24.695**
Stddev	.00015	.00023	.00217	.0031	.00035	.069	.00007	.00040	.068
%RSD	20.713	100.84	.32679	.11970	1.7124	.15624	1.0232	2.1162	.27638
#1	.00083	.00040	.66109	2.6122	.02081	44.312	.00673	.01862	24.743
#2	.00062	.00007	.66415	2.6077	.02032	44.410	.00683	.01919	24.647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00030**	**8.940**	**-.00021**	**.00123**	**8.6680**	**-.00039**	**1.3226**	**.00039**
Stddev	.00044	.00028	.047	.00132	.00101	.0061	.00031	.0015	.00002
%RSD	347.73	94.105	.5208	628.89	82.218	.07007	79.723	.11277	4.4777
#1	-.00018	.00050	8.907	.00072	.00051	8.6637	-.00061	1.3216	.00040
#2	.00044	.00010	8.973	-.00114	.00194	8.6722	-.00017	1.3237	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00013**	**-.00011**	**.00029**
Stddev	.00059	.00033	.00027
%RSD	449.86	287.98	93.775
#1	-.00055	.00012	.00048
#2	.00029	-.00035	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2088.1**	**5582.8**	**79104.**	**10159.**
Stddev	8.1	49.2	5.	54.
%RSD	.38727	.88186	.00661	.52991
#1	2093.9	5617.6	79100.	10197.
#2	2082.4	5548.0	79108.	10121.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.911%	94.974%	95.854%	103.36%
Range				

Sample Name: mb 480-180707/1-a Acquired: 5/8/2014 21:06:27 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.01615**	**-.00097**	**.00113**	**.00025**	**-.00010**	**.00790**	**-.00004**	**.00013**
Stddev	.00015	.01697	.00319	.00019	.00000	.00003	.00335	.00004	.00003
%RSD	2137.5	105.07	327.85	16.719	1.0795	29.879	42.456	91.335	26.261
#1	-.00010	-.02815	.00128	.00127	.00026	-.00013	.00553	-.00001	.00015
#2	.00011	-.00415	-.00323	.00100	.00025	-.00008	.01027	-.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00027**	**.00882**	**-.01453**	**-.00045**	**.00512**	**.00028**	**-.00004**	**-.00582**
Stddev	.00039	.00002	.00010	.01381	.00014	.00199	.00004	.00011	.00210
%RSD	1179.3	8.2868	1.1824	95.064	30.600	38.916	13.855	258.19	36.022
#1	-.00024	-.00025	.00875	-.02429	-.00036	.00652	.00031	-.00012	-.00434
#2	.00031	-.00028	.00890	-.00476	-.00055	.00371	.00025	.00003	-.00730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00006**	**.0054**	**.00029**	**-.00041**	**.04702**	**-.00009**	**.00003**	**.00026**
Stddev	.00010	.00028	.0038	.00124	.00181	.00511	.00021	.00000	.00025
%RSD	57.646	482.87	70.99	433.72	444.28	10.878	250.22	14.130	96.307
#1	.00024	.00026	.0027	-.00059	-.00169	.04340	-.00024	.00003	.00043
#2	.00010	-.00014	.0081	.00116	.00087	.05063	.00007	.00003	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00039**	**-.00030**	**.00136**
Stddev	.00129	.00028	.00042
%RSD	328.27	94.833	31.005
#1	-.00052	-.00049	.00165
#2	.00130	-.00010	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2266.0**	**5809.5**	**83902.**	**10308.**
Stddev	1.5	11.1	259.	2.
%RSD	.06831	.19047	.30921	.01852
#1	2267.1	5817.3	83719.	10306.
#2	2264.9	5801.7	84086.	10309.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.740%	98.830%	101.67%	104.87%
Range				

Sample Name: lcs 480-180707/2-a Acquired: 5/8/2014 21:09:17 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04988**	**10.421**	**.20440**	**.20188**	**.20684**	**.20910**	**9.7810**	**.20230**	**.20348**
Stddev	.00071	.056	.00119	.00117	.00142	.00119	.0078	.00001	.00040
%RSD	1.4247	.53264	.58380	.57922	.68869	.56776	.07960	.00619	.19588
#1	.04938	10.381	.20524	.20106	.20784	.20826	9.7755	.20231	.20376
#2	.05038	10.460	.20355	.20271	.20583	.20994	9.7865	.20229	.20320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20251**	**.20343**	**10.252**	**9.7303**	**.20012**	**10.317**	**.20705**	**.20255**	**9.7368**
Stddev	.00273	.00077	.033	.0550	.00154	.102	.00177	.00013	.0267
%RSD	1.3478	.37889	.31899	.56555	.77052	.98945	.85503	.06474	.27370
#1	.20058	.20397	10.228	9.6914	.19903	10.245	.20580	.20265	9.7180
#2	.20444	.20288	10.275	9.7692	.20121	10.389	.20830	.20246	9.7557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20053**	**.20105**	**10.03**	**.20758**	**.20043**	**10.079**	**.19094**	**.20699**	**.19426**
Stddev	.00049	.00010	.02	.00167	.00117	.058	.00095	.00080	.00040
%RSD	.24348	.05174	.2461	.80315	.58150	.57509	.49540	.38790	.20648
#1	.20088	.20097	10.01	.20640	.19961	10.038	.19161	.20642	.19454
#2	.20018	.20112	10.05	.20876	.20126	10.120	.19027	.20756	.19397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.21455**	**.20124**	**.19542**
Stddev	.00175	.00052	.00625
%RSD	.81600	.25774	3.1957
#1	.21331	.20087	.19100
#2	.21579	.20161	.19983
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2192.8**	**5845.0**	**82827.**	**10324.**
Stddev	4.4	24.4	756.	7.
%RSD	.20007	.41728	.91299	.06858
#1	2195.9	5862.2	83361.	10329.
#2	2189.7	5827.7	82292.	10319.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.516%	99.434%	100.36%	105.04%
Range				

Sample Name: 480-59337-b-1-a Acquired: 5/8/2014 21:11:56 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.45999**	**-.00054**	**.01307**	**.11987**	**-.00003**	**196.45**	**.00047**	**.00074**
Stddev	.00036	.00491	.00020	.00005	.00025	.00006	1.08	.00006	.00005
%RSD	327.11	1.0679	37.441	.41469	.20788	184.28	.54994	13.280	6.4428
#1	-.00014	.46346	-.00068	.01311	.12005	.00001	197.22	.00051	.00077
#2	.00036	.45652	-.00040	.01303	.11970	-.00007	195.69	.00042	.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	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00738**	**.00477**	**.55815**	**11.035**	**.01408**	**87.292**	**.02255**	**.00294**	**158.70**
Stddev	.00003	.00016	.01059	.050	.00065	.378	.00003	.00018	.21
%RSD	.39101	3.3540	1.8976	.44907	4.6209	.43295	.15295	6.0495	.13361
#1	.00740	.00488	.55066	11.000	.01454	87.559	.02258	.00282	158.55
#2	.00736	.00466	.56564	11.070	.01362	87.024	.02253	.00307	158.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00933**	**.00069**	F **13.44**	**-.00068**	**.00199**	**7.4137**	**-.00043**	**.41552**	**.01417**
Stddev	.00003	.00026	.05	.00017	.00259	.0126	.00022	.00124	.00082
%RSD	.34053	37.544	.3642	24.623	130.39	.16977	52.706	.29860	5.7907
#1	.00931	.00051	13.47	-.00080	.00015	7.4226	-.00059	.41465	.01475
#2	.00936	.00088	13.40	-.00056	.00382	7.4048	-.00027	.41640	.01359
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00058**	**.00027**	**.01414**
Stddev	.00169	.00018	.00001
%RSD	289.03	65.585	.04501
#1	.00178	.00040	.01414
#2	-.00061	.00015	.01415
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1912.4**	**5301.6**	**75722.**	**10083.**
Stddev	4.1	7.3	310.	67.
%RSD	.21592	.13810	.40997	.66666
#1	1915.3	5306.7	75502.	10036.
#2	1909.5	5296.4	75942.	10131.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.175%	90.189%	91.756%	102.59%
Range				

Sample Name: 480-59337-b-2-a Acquired: 5/8/2014 21:14:49 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.13612**	**.00059**	**.00970**	**.08772**	**-.00008**	**35.197**	**.00020**	**.00063**
Stddev	.00003	.00932	.00107	.00061	.00031	.00003	.359	.00006	.00013
%RSD	15.621	6.8481	180.68	6.2501	.34923	41.689	1.0209	32.543	20.540
#1	.00020	.14271	-.00016	.01013	.08750	-.00010	35.451	.00015	.00072
#2	.00016	.12953	.00135	.00927	.08793	-.00006	34.943	.00024	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**.00329**	**.30119**	**4.8444**	**.00571**	**33.304**	**.00649**	**.00082**	**350.05**
Stddev	.00007	.00007	.00171	.0411	.00056	.066	.00002	.00014	.01
%RSD	4.4584	2.2620	.56759	.84830	9.7916	.19964	.24266	16.606	.00165
#1	.00154	.00334	.29998	4.8735	.00611	33.351	.00650	.00073	350.06
#2	.00145	.00324	.30240	4.8154	.00532	33.257	.00648	.00092	350.05
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00021**	**6.282**	**-.00036**	**.00047**	**4.2605**	**.00001**	**.06322**	**.00786**
Stddev	.00003	.00123	.026	.00006	.00377	.0273	.00093	.00004	.00092
%RSD	4.9452	596.59	.4143	17.077	798.25	.64176	15958.	.06088	11.753
#1	.00061	.00108	6.301	-.00032	.00314	4.2798	-.00065	.06319	.00721
#2	.00057	-.00066	6.264	-.00041	-.00219	4.2412	.00067	.06325	.00851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00290**	**.00104**	**.00509**
Stddev	.00090	.00042	.00019
%RSD	30.888	40.772	3.7702
#1	-.00227	.00074	.00495
#2	-.00353	.00133	.00522
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1934.2**	**5402.2**	**76291.**	**10258.**
Stddev	5.6	45.9	186.	40.
%RSD	.28842	.84983	.24373	.39316
#1	1930.3	5369.7	76159.	10229.
#2	1938.2	5434.6	76422.	10286.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.137%	91.901%	92.445%	104.37%
Range				

Sample Name: 480-59337-b-2-aSD@5 Acquired: 5/8/2014 21:17:42 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02716**	**-.00052**	**.00194**	**.01778**	**-.00012**	**7.0747**	**.00005**	**.00029**
Stddev	.00012	.00900	.00131	.00005	.00000	.00002	.0447	.00000	.00001
%RSD	64.586	33.144	251.66	2.7959	.01944	15.295	.63258	.61325	4.5232
#1	.00010	.02079	-.00144	.00191	.01777	-.00011	7.1064	.00005	.00030
#2	.00027	.03352	.00040	.00198	.01778	-.00014	7.0431	.00005	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00056**	**.05724**	**.87383**	**.00194**	**6.6509**	**.00135**	**.00005**	**68.624**
Stddev	.00014	.00011	.00591	.00084	.00050	.0280	.00003	.00005	.049
%RSD	72.122	20.120	10.324	.09669	25.760	.42106	1.8823	100.68	.07159
#1	.00029	.00048	.06142	.87323	.00229	6.6707	.00133	.00001	68.659
#2	.00010	.00064	.05306	.87442	.00158	6.6311	.00137	.00008	68.590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00099**	**1.161**	**-.00040**	**.00128**	**.85073**	**.00006**	**.01238**	**.00157**
Stddev	.00007	.00103	.003	.00112	.00095	.00038	.00010	.00008	.00002
%RSD	129.08	104.66	.2241	280.80	73.986	.04438	171.64	.67075	1.5403
#1	-.00001	-.00026	1.159	.00039	.00061	.85047	.00013	.01232	.00159
#2	-.00011	-.00172	1.163	-.00119	.00195	.85100	-.00001	.01244	.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00200**	**.00014**	**.00099**
Stddev	.00085	.00020	.00052
%RSD	42.436	146.62	52.675
#1	-.00140	.00028	.00135
#2	-.00261	-.00000	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2141.0**	**5693.8**	**80170.**	**10106.**
Stddev	2.5	2.8	72.	89.
%RSD	.11742	.04975	.08940	.88366
#1	2142.8	5691.8	80119.	10043.
#2	2139.3	5695.8	80221.	10169.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.239%	96.862%	97.146%	102.82%
Range				

Sample Name: 480-59337-b-2-a PDS Acquired: 5/8/2014 21:20:31 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04273**	**10.828**	**.22327**	**.22002**	**.29334**	**.21101**	**44.470**	**.20779**	**.20772**
Stddev	.00027	.034	.00051	.00042	.00028	.00093	.192	.00005	.00088
%RSD	.62287	.31055	.23013	.19166	.09616	.43889	.43186	.02529	.42433
#1	.04292	10.804	.22363	.21972	.29354	.21035	44.334	.20783	.20834
#2	.04254	10.852	.22290	.22032	.29314	.21166	44.606	.20775	.20709
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21371**	**.21365**	**10.444**	**15.608**	**.22180**	**43.026**	**.20893**	**.20284**	**351.41**
Stddev	.00100	.00032	.060	.090	.00168	.274	.00153	.00023	.56
%RSD	.48873	.14786	.57169	.57775	.75760	.63721	.73142	.11154	.15875
#1	.20300	.21387	10.402	15.544	.22061	42.832	.20785	.20268	351.02
#2	.20441	.21343	10.486	15.671	.22299	43.220	.21001	.20300	351.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20564**	**.20587**	**6.068**	**.21196**	**.21815**	**14.646**	**.15848**	**.26631**	**.20302**
Stddev	.00094	.00125	.009	.00050	.00236	.061	.00045	.00136	.00188
%RSD	.45813	.60483	.1542	.23633	1.0827	.41821	.28636	.51019	.92692
#1	.20631	.20675	6.075	.21231	.21648	14.603	.15816	.26535	.20169
#2	.20498	.20499	6.062	.21160	.21983	14.690	.15880	.26727	.20435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.20637**	**.20744**	**.20772**
Stddev	.00187	.00140	.00163
%RSD	.90416	.67690	.78413
#1	.20505	.20644	.20656
#2	.20769	.20843	.20887
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1928.9**	**5471.4**	**76306.**	**10208.**
Stddev	2.1	11.5	227.	47.
%RSD	.11060	.21026	.29708	.46232
#1	1927.4	5479.5	76466.	10241.
#2	1930.4	5463.3	76146.	10175.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.901%	93.078%	92.463%	103.86%
Range				

Sample Name: 480-59337-b-2-b ms Acquired: 5/8/2014 21:23:16 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05212**	**10.720**	**.21603**	**.21679**	**.29118**	**.20713**	**45.136**	**.20912**	**.20823**
Stddev	.00004	.038	.00025	.00060	.00128	.00023	.344	.00022	.00005
%RSD	.07842	.35666	.11764	.27867	.43877	.11023	.76162	.10286	.02579
#1	.05215	10.693	.21585	.21636	.29208	.20729	44.893	.20927	.20827
#2	.05210	10.747	.21621	.21722	.29028	.20697	45.379	.20896	.20819
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20163**	**.21446**	**10.383**	**15.643**	**.21910**	**43.767**	**.20785**	**.20239**	**363.73**
Stddev	.00001	.00156	.007	.101	.00008	.077	.00025	.00007	.19
%RSD	.00407	.72698	.06744	.64722	.03462	.17521	.12208	.03344	.05133
#1	.20162	.21556	10.388	15.572	.21916	43.713	.20768	.20234	363.86
#2	.20163	.21336	10.378	15.715	.21905	43.821	.20803	.20243	363.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20396**	**.20159**	F **17.00**	**.21367**	**.21363**	**14.558**	**.19729**	**.26985**	**.20383**
Stddev	.00001	.00026	.03	.00025	.00052	.053	.00120	.00125	.00058
%RSD	.00630	.12946	.1664	.11723	.24356	.36446	.60727	.46382	.28234
#1	.20397	.20140	17.02	.21384	.21326	14.521	.19644	.27074	.20424
#2	.20395	.20177	16.98	.21349	.21400	14.596	.19814	.26897	.20343
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.20852**	**.20537**	**.19951**
Stddev	.00148	.00064	.00159
%RSD	.71064	.30998	.79539
#1	.20957	.20582	.19839
#2	.20748	.20492	.20063
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1918.3**	**5421.8**	**76664.**	**10273.**
Stddev	1.9	3.1	17.	63.
%RSD	.09805	.05792	.02246	.61274
#1	1916.9	5419.6	76652.	10318.
#2	1919.6	5424.0	76677.	10229.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.434%	92.235%	92.898%	104.52%
Range				

Sample Name: CCV Acquired: 5/8/2014 21:26:03 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49429**	**25.373**	**.50478**	**.48921**	**.50262**	**.50390**	**25.147**	**.49297**	**.49041**	**.50168**	**.50567**	**25.113**	**24.787**	**.49205**
Stddev	.00066	.121	.00122	.00021	.00030	.00123	.188	.00044	.00043	.00135	.00581	.072	.060	.00119
%RSD	.13319	.47769	.24122	.04387	.05931	.24424	.74749	.08869	.08862	.26933	1.1492	.28768	.24315	.24257
#1	.49382	25.458	.50564	.48906	.50283	.50303	25.279	.49266	.49072	.50072	.50156	25.164	24.830	.49289
#2	.49475	25.287	.50392	.48937	.50240	.50477	25.014	.49328	.49011	.50263	.50978	25.062	24.745	.49121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.024**	**.50831**	**.49357**	**24.363**	**.49467**	**.49100**	**24.99**	**.50182**	**.50524**	**24.575**	**.47600**	**.49329**	**.48350**	**.50449**
Stddev	.058	.00009	.00039	.093	.00159	.00165	.08	.00114	.00043	.078	.00210	.00202	.00176	.00326
%RSD	.23143	.01720	.07844	.38062	.32137	.33600	.3014	.22782	.08560	.31562	.44217	.40934	.36446	.64716
#1	25.065	.50838	.49385	24.429	.49354	.49217	24.93	.50101	.50555	24.630	.47749	.49186	.48226	.50680
#2	24.983	.50825	.49330	24.297	.49579	.48983	25.04	.50263	.50494	24.520	.47451	.49472	.48475	.50218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.49327**	**.49599**
Stddev	.00450	.00038
%RSD	.91312	.07660
#1	.49009	.49572
#2	.49646	.49626
Check ?	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	**2116.7**	**5740.8**	**79983.**	**9973.8**
Stddev	2.5	3.4	91.	96.5
%RSD	.11608	.05993	.11419	.96801
#1	2118.5	5743.2	80048.	9905.5
#2	2115.0	5738.4	79919.	10042.

Sample Name: CCB Acquired: 5/8/2014 21:28:43 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**-.00029**	**-.01806**	**-.00033**	**.00072**	**.00001**	**-.00011**	**-.00257**	**.00003**	**.00009**	**.00002**	**-.00050**	**-.00373**
Stddev	.00024	.00370	.00208	.00005	.00001	.00003	.00141	.00001	.00007	.00045	.00026	.00083
%RSD	81.518	20.490	635.19	7.0414	45.460	32.481	54.834	33.287	78.572	2375.2	52.638	22.175
#1	-.00046	-.01544	.00114	.00069	.00002	-.00008	-.00157	.00002	.00015	-.00030	-.00031	-.00314
#2	-.00012	-.02068	-.00180	.00076	.00001	-.00013	-.00356	.00003	.00004	.00034	-.00069	-.00431
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00608**	**.00036**	**.00522**	**.00002**	**.00005**	**.00868**	**.00020**	**.00001**	**-.0023**	**.00168**	**.00091**	**.00265**
Stddev	.03245	.00059	.00244	.00003	.00021	.00184	.00020	.00094	.0001	.00029	.00114	.01149
%RSD	533.66	162.97	46.779	178.80	386.21	21.217	99.299	17872.	5.014	17.382	124.84	434.12
#1	-.02902	.00078	.00349	-.00000	-.00009	.00738	.00034	.00067	-.0022	.00189	.00011	.01077
#2	.01686	-.00006	.00695	.00004	.00020	.00998	.00006	-.00066	-.0024	.00147	.00172	-.00548
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.00002**	**-.00016**	**-.00039**	**-.00004**	**.00026**
Stddev	.00016	.00014	.00031	.00057	.00002	.00011
%RSD	62.097	876.09	192.48	144.78	61.319	42.793
#1	-.00038	-.00008	.00006	.00001	-.00005	.00034
#2	-.00015	.00012	-.00038	-.00079	-.00002	.00018
Check ?	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	**2286.0**	**5908.5**	**83405.**	**10212.**
Stddev	5.3	20.6	124.	70.
%RSD	.23116	.34872	.14868	.68216
#1	2289.7	5923.1	83492.	10162.
#2	2282.3	5894.0	83317.	10261.

Sample Name: CCVL Acquired: 5/8/2014 21:31:35 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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**	**.16860**	**.01366**	**.01942**	**.00237**	**.00187**	**.46740**	**.00190**	**.00392**	**.00412**	**.00869**	**.04751**
Stddev	.00089	.00297	.00135	.00047	.00000	.00009	.00247	.00005	.00007	.00039	.00013	.00506
%RSD	13.801	1.7606	9.8796	2.4233	.17525	4.5987	.52884	2.4780	1.7097	9.4574	1.4554	10.655
#1	.00581	.17070	.01461	.01975	.00237	.00193	.46566	.00186	.00397	.00440	.00860	.05109
#2	.00707	.16650	.01270	.01909	.00237	.00181	.46915	.00193	.00387	.00385	.00878	.04393
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42568**	**.02811**	**.19806**	**.00277**	**.00983**	**.91930**	**.00943**	**.00922**	**.2017**	**.02011**	**.02656**	**.46605**
Stddev	.02158	.00041	.00128	.00000	.00007	.00222	.00003	.00035	.0011	.00040	.00393	.01088
%RSD	5.0700	1.4667	.64822	.11077	.75384	.24165	.27443	3.8407	.5556	1.9886	14.791	2.3346
#1	.41042	.02840	.19896	.00277	.00988	.92087	.00941	.00897	.2009	.02039	.02378	.47374
#2	.44094	.02782	.19715	.00276	.00978	.91773	.00945	.00947	.2025	.01983	.02934	.45836
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00865**	**.00476**	**.00477**	**.01934**	**.00446**	**.00954**
Stddev	.00019	.00007	.00030	.00021	.00033	.00014
%RSD	2.2521	1.5502	6.2415	1.1051	7.3940	1.4539
#1	.00879	.00470	.00498	.01919	.00470	.00944
#2	.00851	.00481	.00456	.01949	.00423	.00964
Check ?	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	**2279.4**	**5897.6**	**84256.**	**10391.**
Stddev	5.3	5.4	94.	8.
%RSD	.23327	.09222	.11176	.07260
#1	2283.2	5893.8	84190.	10386.
#2	2275.6	5901.5	84323.	10396.

Sample Name: 480-59337-b-2-c msd Acquired: 5/8/2014 21:34:25 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05219**	**10.681**	**.21780**	**.21602**	**.28985**	**.20824**	**45.400**	**.20901**	**.20888**
Stddev	.00082	.068	.00317	.00040	.00176	.00041	.371	.00011	.00030
%RSD	1.5771	.63696	1.4574	.18748	.60871	.19906	.81820	.05408	.14491
#1	.05161	10.729	.22004	.21630	.28860	.20854	45.662	.20909	.20909
#2	.05277	10.633	.21556	.21573	.29110	.20795	45.137	.20893	.20866
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20135**	**.21453**	**10.506**	**15.418**	**.21432**	**43.565**	**.20770**	**.20223**	**360.33**
Stddev	.00051	.00255	.046	.125	.00298	.112	.00056	.00107	.28
%RSD	.25086	1.1891	.43551	.81126	1.3896	.25740	.26979	.52851	.07715
#1	.20100	.21273	10.538	15.329	.21221	43.644	.20810	.20299	360.13
#2	.20171	.21634	10.473	15.506	.21643	43.486	.20731	.20148	360.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20306**	**.20323**	F **16.87**	**.21310**	**.21293**	**14.558**	**.19771**	**.26983**	**.20323**
Stddev	.00038	.00010	.03	.00312	.00004	.011	.00047	.00039	.00065
%RSD	.18731	.04696	.1757	1.4619	.01830	.07654	.23562	.14392	.31871
#1	.20279	.20316	16.89	.21090	.21290	14.550	.19804	.26956	.20277
#2	.20333	.20330	16.85	.21530	.21296	14.565	.19738	.27011	.20369
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.20629**	**.20536**	**.19970**
Stddev	.00259	.00071	.00290
%RSD	1.2535	.34438	1.4508
#1	.20812	.20486	.20175
#2	.20446	.20586	.19765
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1921.5**	**5436.3**	**76616.**	**10144.**
Stddev	3.0	14.9	105.	77.
%RSD	.15408	.27397	.13660	.75901
#1	1919.4	5425.8	76690.	10089.
#2	1923.6	5446.9	76542.	10198.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.575%	92.482%	92.839%	103.20%
Range				

Sample Name: 480-59337-b-3-a Acquired: 5/8/2014 21:37:10 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**-.00044**	**.85282**	**.00093**	**.00602**	**.64236**	**-.00002**	**342.93**	**.00050**	**.00272**
Stddev	.00022	.00322	.00204	.00000	.00106	.00003	1.71	.00001	.00003
%RSD	51.348	.37713	218.50	.04593	.16564	163.13	.49984	1.1955	.98439
#1	-.00028	.85054	.00237	.00603	.64311	.00000	341.72	.00050	.00274
#2	-.00060	.85509	-.00051	.00602	.64161	-.00004	344.14	.00050	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00206**	**.00747**	**11.614**	**47.902**	**.04846**	**282.39**	**.32860**	**.00114**	**1652.1**
Stddev	.00042	.00006	.041	.218	.00062	1.75	.00199	.00020	2.6
%RSD	20.294	.81794	.35544	.45470	1.2720	.61963	.60543	17.875	.15541
#1	.00176	.00752	11.585	48.056	.04890	283.63	.33001	.00129	1653.9
#2	.00236	.00743	11.643	47.748	.04803	281.15	.32720	.00100	1650.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00248**	**-.00021**	F **25.34**	**-.00232**	**.00166**	**9.3690**	**-.00019**	**1.1235**	**.04862**
Stddev	.00012	.00047	.10	.00186	.00299	.0713	.00051	.0008	.00112
%RSD	4.7146	225.51	.4137	80.203	180.28	.76109	268.68	.06704	2.3030
#1	.00240	.00012	25.26	-.00364	-.00046	9.3186	-.00055	1.1240	.04941
#2	.00256	-.00054	25.41	-.00101	.00378	9.4194	.00017	1.1230	.04783
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00185**	**.00044**	**.00986**
Stddev	.00426	.00013	.00009
%RSD	230.56	29.644	.90154
#1	-.00486	.00053	.00992
#2	.00116	.00034	.00980
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1590.7**	**4799.0**	**66895.**	**9980.6**
Stddev	1.9	23.9	264.	68.8
%RSD	.12133	.49880	.39438	.68947
#1	1592.1	4816.0	66708.	10029.
#2	1589.4	4782.1	67081.	9932.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	70.018%	81.640%	81.059%	101.55%
Range				

Sample Name: 480-59346-j-3-a Acquired: 5/8/2014 21:40:13 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02754**	**.00053**	**.01270**	**.02972**	**-.00009**	**25.001**	**.00004**	**.00011**
Stddev	.00033	.01776	.00125	.00010	.00008	.00001	.152	.00001	.00006
%RSD	1511.2	64.479	235.72	.78570	.27626	6.7310	.60724	25.046	52.695
#1	.00026	.01498	-.00035	.01277	.02978	-.00009	25.109	.00005	.00016
#2	-.00021	.04009	.00141	.01263	.02967	-.00010	24.894	.00003	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00041**	**.03717**	**4.4054**	**.00162**	**.85026**	**.00474**	**.00015**	**4.8536**
Stddev	.00038	.00006	.00264	.0342	.00009	.01222	.00005	.00014	.0383
%RSD	80.735	14.555	7.1110	.77689	5.3850	1.4368	1.0863	93.898	.79002
#1	.00020	.00036	.03904	4.4296	.00156	.85889	.00477	.00005	4.8808
#2	.00075	.00045	.03530	4.3812	.00168	.84162	.00470	.00025	4.8265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**.00066**	**.0853**	**.00024**	**.00095**	**.26540**	**-.00017**	**.25254**	**.00067**
Stddev	.00006	.00069	.0008	.00044	.00344	.00510	.00018	.00003	.00019
%RSD	5.0536	104.44	.9549	183.83	362.67	1.9229	101.96	.00997	28.248
#1	.00116	.00114	.0859	.00055	.00338	.26179	-.00030	.25256	.00054
#2	.00108	.00017	.0847	-.00007	-.00148	.26900	-.00005	.25253	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00085**	**-.00000**	**.02301**
Stddev	.00060	.00003	.00024
%RSD	70.434	738.04	1.0368
#1	-.00043	.00002	.02284
#2	-.00127	-.00002	.02318
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2215.3**	**5772.3**	**82266.**	**10261.**
Stddev	4.9	21.9	541.	62.
%RSD	.22247	.37963	.65807	.60861
#1	2218.8	5787.8	81883.	10217.
#2	2211.8	5756.9	82649.	10305.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.507%	98.198%	99.685%	104.39%
Range				

Sample Name: 480-59351-d-1-a Acquired: 5/8/2014 21:43:02 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.10264**	**.00021**	**.00622**	**.00522**	**-.00003**	**13.184**	**.00015**	**.00013**
Stddev	.00062	.01268	.00017	.00012	.00002	.00003	.033	.00003	.00007
%RSD	4154.4	12.354	82.823	1.9925	.43375	102.15	.25157	22.395	51.194
#1	.00045	.11160	.00009	.00631	.00524	-.00001	13.161	.00017	.00008
#2	-.00042	.09367	.00033	.00613	.00521	-.00005	13.208	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00038**	**.08084**	**1.5992**	**.00085**	**1.7296**	**.00265**	**.00002**	**1.3752**
Stddev	.00033	.00014	.00352	.0203	.00112	.0039	.00008	.00003	.0044
%RSD	39.953	37.543	4.3500	1.2691	131.39	.22408	2.9569	139.06	.31916
#1	.00059	.00048	.07836	1.6136	.00006	1.7268	.00259	.00000	1.3783
#2	.00106	.00028	.08333	1.5849	.00165	1.7323	.00270	.00004	1.3721
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00003**	**1.957**	**.00052**	**.00198**	**1.8060**	**.00027**	**.04471**	**.00381**
Stddev	.00002	.00106	.005	.00043	.00238	.0103	.00017	.00027	.00038
%RSD	3.2728	3298.4	.2345	82.929	120.70	.57194	61.879	.60902	10.048
#1	.00065	.00078	1.954	.00082	.00029	1.8133	.00015	.04490	.00354
#2	.00062	-.00072	1.961	.00022	.00366	1.7987	.00038	.04452	.00408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00028**	**.00011**	**.00169**
Stddev	.00128	.00029	.00030
%RSD	455.57	268.38	17.977
#1	-.00062	-.00010	.00191
#2	.00119	.00031	.00148
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2241.7**	**5760.4**	**82217.**	**10106.**
Stddev	3.8	13.4	76.	34.
%RSD	.16752	.23278	.09238	.33742
#1	2244.4	5769.9	82271.	10130.
#2	2239.1	5751.0	82163.	10082.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.670%	97.996%	99.626%	102.82%
Range				

Sample Name: 480-59351-d-2-a Acquired: 5/8/2014 21:45:51 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**2.5042**	**.00387**	**.01615**	**.04627**	**.00004**	**39.615**	**.00014**	**.00245**
Stddev	.00028	.0336	.00244	.00032	.00002	.00004	.093	.00001	.00005
%RSD	99.980	1.3417	63.127	1.9507	.04723	86.304	.23377	8.7175	2.0901
#1	.00049	2.5280	.00214	.01637	.04626	.00002	39.680	.00015	.00249
#2	.00008	2.4805	.00560	.01593	.04629	.00007	39.549	.00013	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00510**	**.00572**	**3.2586**	**21.563**	**.00409**	**13.349**	**.76605**	**.00021**	**6.2545**
Stddev	.00017	.00035	.0051	.046	.00002	.004	.00149	.00016	.0249
%RSD	3.3595	6.0444	.15694	.21120	.39661	.02937	.19415	75.397	.39770
#1	.00522	.00547	3.2550	21.531	.00408	13.346	.76500	.00032	6.2369
#2	.00498	.00596	3.2622	21.595	.00410	13.351	.76711	.00010	6.2721
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00907**	**.00222**	F **9.262**	**.00111**	**.00256**	**10.403**	**-.00025**	**.43503**	**.10751**
Stddev	.00001	.00092	.021	.00106	.00164	.020	.00010	.00083	.00101
%RSD	.14811	41.298	.2240	94.933	63.995	.19265	39.444	.18997	.93485
#1	.00906	.00157	9.276	.00186	.00372	10.417	-.00032	.43444	.10680
#2	.00908	.00287	9.247	.00037	.00140	10.389	-.00018	.43561	.10822
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00044**	**.00382**	**.01042**
Stddev	.00274	.00017	.00015
%RSD	620.26	4.3655	1.4507
#1	.00150	.00394	.01031
#2	-.00238	.00371	.01053
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2146.9**	**5642.5**	**82228.**	**10385.**
Stddev	3.8	17.7	212.	41.
%RSD	.17814	.31382	.25808	.39754
#1	2149.6	5655.0	82378.	10356.
#2	2144.2	5630.0	82078.	10415.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.496%	95.989%	99.639%	105.66%
Range				

Sample Name: 480-59351-d-3-a Acquired: 5/8/2014 21:48:36 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.24379**	**-.00039**	**.00719**	**.02099**	**-.00007**	**67.851**	**.00023**	**.00205**
Stddev	.00005	.00804	.00175	.00009	.00003	.00000	.315	.00004	.00010
%RSD	118.43	3.2993	448.17	1.3035	.12127	5.1934	.46466	15.605	4.9307
#1	.00001	.24947	.00085	.00726	.02097	-.00007	68.074	.00021	.00213
#2	.00008	.23810	-.00163	.00713	.02101	-.00007	67.628	.00026	.00198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**.00393**	**.25578**	**3.6306**	**.00742**	**14.656**	**1.4401**	**.00086**	**4.0035**
Stddev	.00014	.00021	.00141	.0124	.00142	.003	.0047	.00014	.0072
%RSD	13.064	5.2741	.55186	.34239	19.200	.02208	.32960	15.877	.17931
#1	.00096	.00378	.25478	3.6218	.00641	14.653	1.4367	.00095	3.9985
#2	.00115	.00407	.25678	3.6393	.00843	14.658	1.4434	.00076	4.0086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01455**	**.00001**	**1.234**	**-.00068**	**.00089**	**10.560**	**-.00047**	**.24190**	**.01272**
Stddev	.00036	.00056	.002	.00190	.00083	.014	.00005	.00050	.00028
%RSD	2.4951	4831.9	.1403	280.30	93.308	.13194	11.399	.20768	2.1725
#1	.01430	-.00038	1.235	.00067	.00030	10.570	-.00051	.24154	.01292
#2	.01481	.00041	1.233	-.00202	.00148	10.550	-.00044	.24225	.01253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00047**	**.00084**	**.00453**
Stddev	.00153	.00028	.00023
%RSD	322.17	33.669	5.0846
#1	.00061	.00104	.00469
#2	-.00155	.00064	.00436
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2145.3**	**5663.9**	**81178.**	**10184.**
Stddev	2.2	30.8	360.	34.
%RSD	.10163	.54441	.44292	.33146
#1	2146.8	5685.7	81433.	10160.
#2	2143.8	5642.1	80924.	10208.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.427%	96.352%	98.367%	103.61%
Range				

Sample Name: 480-59351-d-4-a Acquired: 5/8/2014 21:51:23 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02944**	**.00044**	**.00599**	**.00796**	**-.00009**	**18.672**	**.00009**	**.00054**
Stddev	.00024	.00151	.00167	.00010	.00002	.00002	.011	.00010	.00005
%RSD	190.60	5.1455	382.47	1.6365	.31178	20.554	.05942	112.67	9.9112
#1	-.00004	.03051	-.00074	.00606	.00797	-.00010	18.680	.00015	.00050
#2	.00030	.02836	.00161	.00592	.00794	-.00007	18.664	.00002	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00201**	**.02923**	**2.0733**	**.00372**	**6.4707**	**.05245**	**-.00007**	**5.3085**
Stddev	.00036	.00003	.00036	.0273	.00079	.0164	.00021	.00018	.0129
%RSD	300.61	1.5481	1.2420	1.3141	21.305	.25279	.39267	276.25	.24318
#1	-.00014	.00203	.02949	2.0926	.00316	6.4591	.05231	.00006	5.3176
#2	.00038	.00199	.02898	2.0541	.00428	6.4823	.05260	-.00020	5.2994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00485**	**.00003**	**3.086**	**-.00085**	**.00069**	**11.422**	**-.00004**	**.08042**	**.00186**
Stddev	.00016	.00033	.000	.00108	.00231	.000	.00053	.00012	.00013
%RSD	3.2020	1135.7	.0013	127.40	333.61	.00048	1495.3	.14679	7.2595
#1	.00496	-.00021	3.086	-.00161	-.00094	11.422	.00034	.08051	.00195
#2	.00474	.00026	3.086	-.00008	.00232	11.422	-.00041	.08034	.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00007**	**.00050**	**.00510**
Stddev	.00101	.00015	.00029
%RSD	1390.4	30.450	5.6425
#1	.00064	.00060	.00530
#2	-.00078	.00039	.00489
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2229.2**	**5860.1**	**81780.**	**10320.**
Stddev	9.3	35.8	316.	.
%RSD	.41521	.61029	.38607	.00143
#1	2235.7	5885.4	82004.	10321.
#2	2222.6	5834.9	81557.	10320.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.119%	99.692%	99.097%	105.00%
Range				

Sample Name: 480-59351-d-5-a Acquired: 5/8/2014 21:54:11 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.29613**	**.01606**	**.04156**	**.01097**	**-.00008**	**17.911**	**.00006**	**.00022**
Stddev	.00040	.00802	.00035	.00037	.00006	.00009	.010	.00013	.00002
%RSD	93.673	2.7074	2.2060	.89221	.54049	108.00	.05339	205.95	9.0010
#1	-.00015	.29046	.01631	.04182	.01101	-.00002	17.918	.00015	.00023
#2	-.00071	.30180	.01581	.04130	.01093	-.00015	17.904	-.00003	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00077**	**.29837**	**2.2258**	**.00670**	**3.5494**	**.02651**	**.00476**	**10.242**
Stddev	.00016	.00021	.00143	.0066	.00008	.0229	.00018	.00022	.027
%RSD	23.098	27.392	.47857	.29413	1.1539	.64500	.67138	4.5953	.25894
#1	.00058	.00092	.29938	2.2305	.00664	3.5656	.02664	.00460	10.223
#2	.00080	.00062	.29736	2.2212	.00675	3.5332	.02639	.00491	10.261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00100**	**4.523**	**.00068**	**.00102**	**4.9854**	**.00031**	**.07611**	**.00991**
Stddev	.00008	.00051	.054	.00042	.00031	.0173	.00010	.00003	.00011
%RSD	30.074	51.021	1.190	61.713	30.249	.34668	31.762	.03421	1.0893
#1	.00021	.00135	4.485	.00038	.00124	4.9732	.00024	.07613	.00999
#2	.00033	.00064	4.561	.00097	.00080	4.9976	.00038	.07609	.00984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00093**	**.00029**	**.00345**
Stddev	.00068	.00011	.00021
%RSD	72.600	37.892	6.1407
#1	-.00045	.00037	.00360
#2	-.00141	.00021	.00330
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2211.4**	**5717.6**	**81508.**	**10289.**
Stddev	5.1	10.9	358.	2.
%RSD	.23102	.19028	.43886	.02078
#1	2215.0	5725.3	81256.	10288.
#2	2207.8	5709.9	81761.	10291.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.337%	97.267%	98.767%	104.69%
Range				

Sample Name: 480-59351-d-6-a Acquired: 5/8/2014 21:56:59 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.06866**	**.00002**	**.00426**	**.00678**	**-.00009**	**14.356**	**.00015**	**.00218**
Stddev	.00027	.00925	.00022	.00025	.00000	.00005	.035	.00010	.00007
%RSD	46.068	13.467	1419.2	5.9452	.03149	57.589	.24163	62.192	2.9944
#1	-.00079	.07520	-.00014	.00408	.00678	-.00012	14.380	.00009	.00222
#2	-.00040	.06212	.00017	.00444	.00678	-.00005	14.331	.00022	.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	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00082**	**1.6975**	**.36156**	**.00135**	**12.672**	**.98880**	**.00009**	**7.1010**
Stddev	.00006	.00011	.0004	.03739	.00072	.043	.00024	.00008	.0082
%RSD	14.230	13.151	.02509	10.341	53.529	.34071	.02377	89.295	.11502
#1	.00035	.00075	1.6972	.38799	.00186	12.703	.98897	.00014	7.0952
#2	.00043	.00090	1.6978	.33512	.00084	12.642	.98864	.00003	7.1068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00176**	**.00046**	**4.592**	**-.00076**	**.00102**	**3.3711**	**-.00014**	**.04731**	**.00168**
Stddev	.00007	.00077	.027	.00249	.00045	.0033	.00002	.00016	.00034
%RSD	4.1608	168.31	.5957	326.51	44.745	.09863	17.927	.33469	20.524
#1	.00182	.00100	4.612	-.00252	.00069	3.3735	-.00016	.04720	.00192
#2	.00171	-.00009	4.573	.00100	.00134	3.3688	-.00012	.04742	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00122**	**.00012**	**.00284**
Stddev	.00107	.00009	.00039
%RSD	87.606	75.112	13.655
#1	-.00046	.00006	.00257
#2	-.00197	.00019	.00312
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2203.7**	**5767.0**	**81627.**	**10123.**
Stddev	3.7	19.2	158.	39.
%RSD	.16731	.33256	.19356	.38955
#1	2206.3	5780.5	81516.	10095.
#2	2201.0	5753.4	81739.	10151.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.995%	98.107%	98.911%	102.99%
Range				

Sample Name: CCV Acquired: 5/8/2014 21:59:46 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49664**	**25.194**	**.50552**	**.48486**	**.49811**	**.50425**	**25.195**	**.49393**	**.49338**	**.50204**	**.49905**	**25.113**	**24.379**	**.48655**
Stddev	.00299	.015	.00129	.00181	.00056	.00013	.127	.00019	.00020	.00402	.00101	.031	.036	.00121
%RSD	.60278	.05829	.25463	.37373	.11232	.02629	.50337	.03828	.04078	.79999	.20244	.12517	.14728	.24803
#1	.49875	25.204	.50461	.48358	.49772	.50415	25.284	.49379	.49324	.50488	.49976	25.091	24.404	.48569
#2	.49452	25.184	.50643	.48614	.49851	.50434	25.105	.49406	.49352	.49920	.49834	25.135	24.354	.48740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.152**	**.51012**	**.49210**	**24.059**	**.49661**	**.49614**	**24.69**	**.49868**	**.49687**	**24.456**	**.48404**	**.49453**	**.48669**	**.50729**
Stddev	.170	.00240	.00007	.027	.00004	.00273	.00	.00144	.00032	.030	.00044	.00010	.00309	.00102
%RSD	.67782	.46964	.01381	.11286	.00880	.55076	.0086	.28829	.06370	.12191	.09053	.01952	.63581	.20160
#1	25.272	.51181	.49205	24.040	.49665	.49807	24.69	.49766	.49664	24.477	.48373	.49460	.48888	.50801
#2	25.031	.50842	.49215	24.078	.49658	.49421	24.69	.49970	.49709	24.435	.48435	.49446	.48450	.50656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.49290**	**.50779**
Stddev	.00341	.00392
%RSD	.69082	.77121
#1	.49531	.51056
#2	.49050	.50503
Check ?	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	**2118.1**	**5780.1**	**80058.**	**9913.1**
Stddev	2.9	12.4	447.	46.7
%RSD	.13506	.21491	.55789	.47076
#1	2120.1	5788.8	79742.	9880.1
#2	2116.1	5771.3	80374.	9946.1

Sample Name: CCB Acquired: 5/8/2014 22:02:24 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00060**	**-.00464**	**-.00113**	**.00060**	**.00004**	**.00000**	**.00343**	**.00005**	**.00014**	**.00007**	**-.00038**	**.00149**
Stddev	.00067	.00908	.00031	.00031	.00000	.00003	.00004	.00005	.00007	.00003	.00009	.00139
%RSD	111.93	195.91	26.975	52.059	.25060	1286.6	1.0420	97.574	46.997	43.539	24.675	93.344
#1	.00013	-.01106	-.00092	.00038	.00004	-.00002	.00346	.00008	.00009	.00009	-.00045	.00247
#2	.00108	.00179	-.00135	.00082	.00004	.00003	.00341	.00001	.00018	.00005	-.00032	.00051
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.05609**	**.00139**	**.00486**	**.00016**	**.00012**	**.00421**	**.00025**	**-.00048**	**.0011**	**.00078**	**.00166**	**.00107**
Stddev	.01327	.00032	.00165	.00003	.00005	.00303	.00003	.00034	.0010	.00035	.00018	.01786
%RSD	23.652	22.630	33.923	17.151	40.191	71.914	11.984	69.729	95.84	44.302	10.634	1669.0
#1	-.06546	.00117	.00603	.00014	.00009	.00207	.00023	-.00025	.0004	.00054	.00153	-.01156
#2	-.04671	.00162	.00370	.00017	.00015	.00635	.00028	-.00072	.0018	.00103	.00178	.01370
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00011**	**-.00004**	**-.00050**	**-.00011**	**.00029**
Stddev	.00002	.00005	.00016	.00064	.00002	.00035
%RSD	11.775	45.233	370.09	127.44	22.467	121.28
#1	.00016	.00015	.00007	-.00005	-.00013	.00004
#2	.00019	.00008	-.00016	-.00096	-.00009	.00054
Check ?	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	**2282.6**	**5892.1**	**83620.**	**10092.**
Stddev	3.7	3.4	250.	63.
%RSD	.16020	.05738	.29928	.62492
#1	2280.0	5894.5	83797.	10136.
#2	2285.2	5889.7	83443.	10047.

Sample Name: CCVL Acquired: 5/8/2014 22:05:16 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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**	**.19546**	**.01385**	**.01918**	**.00236**	**.00195**	**.47693**	**.00187**	**.00399**	**.00404**	**.00909**	**.04650**
Stddev	.00018	.01709	.00034	.00006	.00001	.00006	.00014	.00005	.00016	.00023	.00039	.00020
%RSD	2.9260	8.7425	2.4594	.29995	.29355	3.1584	.02851	2.5700	4.0837	5.6045	4.2961	.43898
#1	.00622	.18338	.01361	.01914	.00235	.00199	.47684	.00184	.00388	.00388	.00881	.04636
#2	.00596	.20754	.01409	.01922	.00236	.00190	.47703	.00190	.00411	.00420	.00936	.04665
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44693**	**.02806**	**.19824**	**.00287**	**.00994**	**.91622**	**.00941**	**.00882**	**.2000**	**.01836**	**.02535**	**.47201**
Stddev	.00862	.00080	.00074	.00009	.00002	.00000	.00042	.00040	.0071	.00029	.00168	.01903
%RSD	1.9295	2.8407	.37503	3.2098	.17372	.00001	4.4207	4.5172	3.564	1.5936	6.6271	4.0326
#1	.44083	.02863	.19771	.00281	.00993	.91622	.00911	.00910	.1949	.01815	.02654	.45855
#2	.45302	.02750	.19876	.00294	.00995	.91622	.00970	.00854	.2050	.01857	.02416	.48547
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00895**	**.00493**	**.00481**	**.01943**	**.00457**	**.00982**
Stddev	.00001	.00015	.00067	.00031	.00000	.00057
%RSD	.06686	2.9417	13.974	1.5761	.03916	5.8120
#1	.00895	.00483	.00434	.01922	.00457	.01022
#2	.00895	.00504	.00529	.01965	.00457	.00942
Check ?	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	**2286.1**	**5913.2**	**83687.**	**10192.**
Stddev	5.2	22.9	302.	38.
%RSD	.22705	.38651	.36041	.37551
#1	2289.7	5929.3	83901.	10219.
#2	2282.4	5897.0	83474.	10165.

Sample Name: 480-59351-d-7-a Acquired: 5/8/2014 22:08:06 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.24863**	**.01701**	**.02551**	**.00548**	**-.00009**	**20.585**	**.00001**	**.00022**
Stddev	.00025	.02351	.00159	.00000	.00013	.00002	.070	.00009	.00000
%RSD	1236.3	9.4566	9.3272	.00293	2.4372	22.164	.34193	786.49	2.0208
#1	.00019	.23200	.01589	.02551	.00557	-.00007	20.634	.00007	.00022
#2	-.00015	.26525	.01813	.02552	.00538	-.00010	20.535	-.00005	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00080**	**.26759**	**2.2415**	**.00563**	**3.8934**	**.02588**	**.00473**	**6.3661**
Stddev	.00015	.00027	.00606	.0430	.00137	.0051	.00019	.00010	.0172
%RSD	20.998	34.262	2.2653	1.9164	24.409	.13137	.74888	2.0437	.27056
#1	.00081	.00061	.27187	2.2719	.00660	3.8970	.02574	.00480	6.3783
#2	.00060	.00100	.26330	2.2111	.00466	3.8898	.02601	.00467	6.3539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**-.00012**	**4.468**	**-.00022**	**.00046**	**5.0270**	**-.00005**	**.07628**	**.01356**
Stddev	.00028	.00074	.005	.00003	.00178	.0240	.00039	.00036	.00204
%RSD	42.597	643.62	.1086	12.210	390.56	.47743	737.79	.46926	15.023
#1	.00047	.00041	4.465	-.00020	.00172	5.0440	.00022	.07603	.01500
#2	.00087	-.00064	4.472	-.00023	-.00081	5.0100	-.00033	.07654	.01212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00022**	**.00028**	**.00374**
Stddev	.00010	.00013	.00009
%RSD	46.411	47.118	2.4419
#1	-.00030	.00037	.00380
#2	-.00015	.00019	.00367
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2223.4**	**5776.4**	**81687.**	**10210.**
Stddev	5.7	62.4	208.	6.
%RSD	.25680	1.0808	.25413	.05794
#1	2219.4	5732.2	81834.	10206.
#2	2227.5	5820.5	81540.	10215.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.866%	98.266%	98.983%	103.88%
Range				

Sample Name: 480-59351-d-8-a Acquired: 5/8/2014 22:10:53 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.44504**	**.00690**	**1.2638**	**.00630**	**-.00007**	**19.147**	**.00004**	**.00189**
Stddev	.00048	.02862	.00067	.0044	.00001	.00002	.039	.00006	.00003
%RSD	1160.0	6.4320	9.7732	.34919	.12511	32.129	.20157	156.20	1.6982
#1	-.00030	.42480	.00643	1.2607	.00630	-.00005	19.174	.00008	.00191
#2	.00038	.46528	.00738	1.2669	.00631	-.00008	19.120	-.00000	.00187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00061**	**.13783**	**3.4249**	**.01184**	**5.2206**	**.01666**	**.01577**	**63.225**
Stddev	.00012	.00006	.01339	.0389	.00068	.0176	.00003	.00001	.291
%RSD	77.036	9.1818	9.7144	1.1356	5.7285	.33699	.18544	.05094	.46102
#1	.00007	.00057	.12836	3.4524	.01232	5.2082	.01668	.01576	63.431
#2	.00024	.00065	.14729	3.3974	.01136	5.2331	.01664	.01577	63.018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00047**	F **9.651**	**-.00015**	**.00018**	**7.6485**	**-.00054**	**.22841**	**.00274**
Stddev	.00034	.00121	.015	.00138	.00141	.0563	.00028	.00007	.00013
%RSD	159.98	258.40	.1523	932.20	766.66	.73556	52.266	.03052	4.7787
#1	-.00003	.00132	9.640	-.00112	-.00082	7.6087	-.00074	.22836	.00265
#2	.00046	-.00039	9.661	.00083	.00118	7.6883	-.00034	.22846	.00284
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00049**	**.00010**	**.00206**
Stddev	.00039	.00008	.00013
%RSD	78.882	75.824	6.1065
#1	-.00077	.00015	.00197
#2	-.00022	.00005	.00215
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2144.0**	**5709.7**	**80543.**	**10186.**
Stddev	2.1	19.1	308.	26.
%RSD	.09685	.33418	.38182	.25640
#1	2145.4	5723.2	80760.	10168.
#2	2142.5	5696.2	80325.	10205.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.368%	97.133%	97.597%	103.64%
Range				

Sample Name: 480-59351-d-9-a Acquired: 5/8/2014 22:13:40 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**3.4879**	**-.00066**	**.07962**	**.03511**	**.00008**	**17.585**	**.00020**	**.00117**
Stddev	.00047	.0249	.00081	.00015	.00034	.00009	.051	.00001	.00013
%RSD	484.30	.71451	123.99	.18580	.97197	105.06	.28833	3.2480	10.931
#1	-.00023	3.4703	-.00008	.07952	.03535	.00014	17.621	.00021	.00126
#2	.00043	3.5055	-.00123	.07973	.03486	.00002	17.549	.00020	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00504**	**.00270**	**2.9169**	**2.2778**	**.00792**	**14.330**	**.11869**	**.00056**	**24.471**
Stddev	.00050	.00028	.0039	.0395	.00007	.150	.00059	.00003	.156
%RSD	9.9661	10.293	.13293	1.7335	.82410	1.0459	.49709	6.2202	.63576
#1	.00469	.00250	2.9196	2.2499	.00787	14.224	.11827	.00059	24.361
#2	.00540	.00289	2.9142	2.3058	.00796	14.436	.11910	.00054	24.581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00382**	**.00062**	**5.991**	**-.00077**	**.00075**	**10.657**	**.00030**	**.09588**	**.08742**
Stddev	.00016	.00020	.025	.00003	.00089	.010	.00010	.00002	.00076
%RSD	4.1487	31.907	.4099	4.0997	118.73	.09685	32.938	.02418	.87154
#1	.00371	.00075	5.974	-.00079	.00138	10.650	.00037	.09590	.08796
#2	.00394	.00048	6.008	-.00075	.00012	10.665	.00023	.09587	.08688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00028**	**.00404**	**.01226**
Stddev	.00007	.00011	.00007
%RSD	24.743	2.7302	.60163
#1	-.00023	.00411	.01231
#2	-.00033	.00396	.01221
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2175.3**	**5753.2**	**81936.**	**10272.**
Stddev	4.2	5.1	266.	40.
%RSD	.19171	.08844	.32451	.38878
#1	2178.3	5756.8	82124.	10243.
#2	2172.4	5749.6	81748.	10300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.748%	97.873%	99.286%	104.51%
Range				

Sample Name: 480-59351-d-10-a Acquired: 5/8/2014 22:16:25 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00171**	**.00129**	**.00626**	**.00202**	**-.00010**	**52.919**	**.00020**	**.00077**
Stddev	.00030	.00833	.00207	.00009	.00001	.00004	.275	.00007	.00002
%RSD	44.795	486.26	160.25	1.4998	.34453	45.175	.51907	34.947	2.1483
#1	.00045	-.00418	.00276	.00633	.00203	-.00007	52.725	.00025	.00078
#2	.00087	.00761	-.00017	.00620	.00202	-.00013	53.114	.00015	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00030**	**.04371**	**.44035**	**.00563**	**39.848**	**1.5227**	**.00024**	**10.118**
Stddev	.00023	.00018	.00118	.03573	.00039	.003	.0022	.00012	.049
%RSD	166.45	60.639	2.6987	8.1132	6.8538	.00857	.14170	51.475	.48120
#1	-.00002	.00017	.04454	.41509	.00536	39.851	1.5243	.00015	10.084
#2	.00030	.00043	.04287	.46561	.00591	39.846	1.5212	.00033	10.153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00170**	**.00006**	**.8934**	**-.00128**	**.00053**	**6.3562**	**-.00024**	**.16278**	**.00026**
Stddev	.00008	.00095	.0040	.00092	.00080	.0028	.00006	.00014	.00010
%RSD	4.7679	1483.3	.4527	71.979	149.94	.04381	25.433	.08711	37.234
#1	.00176	-.00061	.8963	-.00063	-.00003	6.3542	-.00029	.16268	.00019
#2	.00165	.00074	.8906	-.00194	.00110	6.3582	-.00020	.16288	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00272**	**-.00034**	**.00186**
Stddev	.00314	.00010	.00053
%RSD	115.32	29.119	28.532
#1	-.00494	-.00041	.00223
#2	-.00050	-.00027	.00148
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2123.2**	**5624.8**	**80094.**	**10261.**
Stddev	6.3	24.3	48.	46.
%RSD	.29558	.43119	.05947	.44936
#1	2127.6	5642.0	80128.	10294.
#2	2118.7	5607.7	80061.	10229.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.452%	95.689%	97.054%	104.40%
Range				

Sample Name: 480-59351-d-11-a Acquired: 5/8/2014 22:19:13 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02444**	**.00620**	**.00926**	**.00225**	**-.00008**	**20.627**	**.00001**	**.00022**
Stddev	.00002	.01633	.00129	.00009	.00000	.00007	.007	.00008	.00005
%RSD	30.174	66.825	20.869	.93993	.02549	87.683	.03536	1179.0	21.309
#1	-.00006	.03599	.00529	.00932	.00225	-.00013	20.622	.00006	.00019
#2	-.00009	.01289	.00711	.00920	.00225	-.00003	20.632	-.00005	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00144**	**.00016**	**.00620**	**1.7824**	**.00519**	**2.3038**	**-.00021**	**.00103**	**3.8180**
Stddev	.00066	.00010	.00138	.0065	.00043	.0005	.00003	.00007	.0100
%RSD	45.706	60.924	22.340	.36413	8.1955	.02218	15.709	6.8319	.26254
#1	.00097	.00009	.00522	1.7870	.00549	2.3042	-.00019	.00098	3.8109
#2	.00191	.00023	.00718	1.7778	.00489	2.3034	-.00024	.00108	3.8251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00074**	**2.069**	**-.00011**	**.00079**	**5.7594**	**.00001**	**.06850**	**.00027**
Stddev	.00024	.00009	.018	.00034	.00043	.0115	.00009	.00030	.00001
%RSD	151.84	11.740	.8668	316.08	54.862	.19971	1625.8	.43387	2.8264
#1	.00033	-.00080	2.082	.00013	.00110	5.7513	.00007	.06829	.00028
#2	-.00001	-.00068	2.057	-.00035	.00048	5.7676	-.00006	.06871	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00259**	**.00170**	**.00249**
Stddev	.00045	.00005	.00009
%RSD	17.526	2.7020	3.4535
#1	-.00227	.00173	.00255
#2	-.00291	.00166	.00243
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2233.4**	**5794.4**	**82300.**	**10331.**
Stddev	1.3	48.2	12.	20.
%RSD	.05708	.83116	.01509	.19465
#1	2232.5	5760.3	82292.	10345.
#2	2234.3	5828.4	82309.	10316.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.304%	98.572%	99.727%	105.11%
Range				

Sample Name: 480-59365-e-1-a Acquired: 5/8/2014 22:22:02 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.04090**	**.00665**	**.05151**	**.19062**	**-.00009**	**51.244**	**.00013**	**.00032**
Stddev	.00003	.01967	.00143	.00004	.00011	.00001	.170	.00003	.00007
%RSD	4.5146	48.086	21.587	.08141	.05570	7.4916	.33163	23.410	21.097
#1	.00060	.05481	.00563	.05148	.19054	-.00009	51.364	.00011	.00028
#2	.00056	.02700	.00766	.05154	.19069	-.00010	51.123	.00015	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00132**	**.01612**	**11.660**	**.01666**	**16.305**	**.00139**	**.00291**	**6.7975**
Stddev	.00008	.00002	.00239	.056	.00076	.035	.00003	.00011	.0096
%RSD	7.0871	1.8646	14.811	.47865	4.5555	.21740	2.0665	3.9120	.14169
#1	.00103	.00130	.01444	11.621	.01720	16.280	.00141	.00299	6.7907
#2	.00114	.00134	.01781	11.700	.01613	16.330	.00137	.00283	6.8043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**-.00097**	**8.925**	**-.00135**	**.00434**	**19.810**	**.00017**	**.70195**	**.00172**
Stddev	.00021	.00002	.002	.00051	.00137	.003	.00014	.00197	.00046
%RSD	27.072	2.4417	.0175	37.795	31.451	.01301	81.444	.28039	26.529
#1	.00062	-.00099	8.926	-.00099	.00338	19.812	.00007	.70334	.00140
#2	.00091	-.00095	8.923	-.00171	.00531	19.809	.00027	.70056	.00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00121**	**.01428**	**.00354**
Stddev	.00052	.00028	.00039
%RSD	42.954	1.9545	10.951
#1	-.00158	.01409	.00327
#2	-.00084	.01448	.00382
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2162.2**	**5714.9**	**80441.**	**10280.**
Stddev	3.9	7.9	27.	39.
%RSD	.18076	.13906	.03330	.38402
#1	2159.4	5709.3	80460.	10253.
#2	2165.0	5720.5	80422.	10308.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.171%	97.221%	97.474%	104.60%
Range				

Sample Name: 480-59358-c-1-a Acquired: 5/8/2014 22:24:48 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.42597**	**-.00020**	**.02822**	**.02611**	**-.00001**	**14.065**	**.00007**	**.00071**
Stddev	.00035	.00585	.00014	.00001	.00000	.00002	.005	.00008	.00002
%RSD	189.67	1.3727	70.103	.05041	.01184	131.66	.03867	113.37	3.1706
#1	-.00006	.43011	-.00010	.02821	.02611	-.00000	14.062	.00013	.00069
#2	.00043	.42184	-.00030	.02823	.02611	-.00003	14.069	.00001	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00568**	**.42651**	**2.5761**	**.00254**	**4.5744**	**.01031**	**.00070**	**73.662**
Stddev	.00032	.00017	.00434	.0038	.00206	.0087	.00005	.00001	.055
%RSD	25.773	2.9404	1.0174	.14915	80.894	.19017	.47583	1.2031	.07402
#1	.00148	.00556	.42958	2.5789	.00400	4.5682	.01035	.00070	73.700
#2	.00102	.00580	.42344	2.5734	.00109	4.5805	.01028	.00071	73.623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00574**	**.00115**	**4.958**	**.00085**	**-.00105**	**4.0001**	**-.00012**	**.05801**	**.00903**
Stddev	.00015	.00005	.008	.00035	.00141	.0146	.00045	.00012	.00033
%RSD	2.6506	4.6242	.1543	41.621	134.31	.36547	385.49	.20035	3.6538
#1	.00585	.00111	4.963	.00110	-.00005	4.0105	-.00044	.05793	.00880
#2	.00564	.00119	4.952	.00060	-.00204	3.9898	.00020	.05809	.00926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00109**	**.00110**	**.04127**
Stddev	.00048	.00004	.00058
%RSD	43.897	3.3762	1.4142
#1	-.00143	.00112	.04086
#2	-.00075	.00107	.04168
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2133.8**	**5657.5**	**80339.**	**10264.**
Stddev	3.0	7.8	142.	11.
%RSD	.14078	.13720	.17665	.10413
#1	2135.9	5663.0	80440.	10271.
#2	2131.7	5652.0	80239.	10256.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.921%	96.245%	97.350%	104.43%
Range				

Sample Name: 480-59358-c-2-a Acquired: 5/8/2014 22:27:36 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.18218**	**-.00142**	**.01181**	**.02261**	**-.00009**	**5.2717**	**.00008**	**.00024**
Stddev	.00010	.01423	.00025	.00023	.00002	.00003	.0613	.00005	.00002
%RSD	295.30	7.8118	17.925	1.9584	.08912	30.616	1.1626	68.318	8.0243
#1	-.00010	.17212	-.00160	.01198	.02262	-.00011	5.2283	.00012	.00026
#2	.00004	.19225	-.00124	.01165	.02260	-.00007	5.3150	.00004	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00073**	**.16875**	**.82311**	**.00101**	**2.2136**	**.01334**	**.00004**	**8.7637**
Stddev	.00014	.00006	.00256	.03561	.00105	.0102	.00008	.00012	.1285
%RSD	42.591	8.4942	1.5196	4.3267	103.94	.46162	.59918	269.78	1.4662
#1	.00023	.00077	.16694	.79793	.00027	2.2063	.01328	.00013	8.6729
#2	.00043	.00068	.17056	.84830	.00175	2.2208	.01340	-.00004	8.8546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00161**	**-.00027**	**1.684**	**.00018**	**-.00035**	**2.9854**	**.00014**	**.01670**	**.00461**
Stddev	.00001	.00118	.004	.00079	.00141	.0408	.00063	.00029	.00015
%RSD	.90870	444.44	.2355	449.23	401.96	1.3648	439.62	1.7088	3.2107
#1	.00160	.00057	1.681	-.00038	.00065	2.9565	.00059	.01649	.00451
#2	.00162	-.00110	1.687	.00073	-.00135	3.0142	-.00030	.01690	.00472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00079**	**.00017**	**.00585**
Stddev	.00027	.00007	.00008
%RSD	34.038	43.022	1.4017
#1	-.00060	.00012	.00591
#2	-.00098	.00023	.00579
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2239.4**	**5760.5**	**82444.**	**10381.**
Stddev	3.0	15.5	7.	111.
%RSD	.13178	.26913	.00897	1.0729
#1	2241.5	5771.5	82449.	10460.
#2	2237.3	5749.6	82439.	10302.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.569%	97.997%	99.901%	105.62%
Range				

Sample Name: 480-59358-c-3-a Acquired: 5/8/2014 22:30:24 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.72024**	**.00113**	**.01184**	**.03793**	**.00002**	**5.0995**	**.00007**	**.00049**
Stddev	.00021	.03740	.00030	.00012	.00007	.00005	.0289	.00004	.00010
%RSD	162.64	5.1933	26.371	1.0375	.18418	212.74	.56723	49.243	20.083
#1	.00028	.69379	.00092	.01175	.03798	-.00001	5.1200	.00005	.00056
#2	-.00002	.74669	.00134	.01192	.03788	.00006	5.0791	.00010	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00155**	**.63360**	**1.0046**	**.00211**	**2.3906**	**.02355**	**-.00012**	**8.2535**
Stddev	.00038	.00002	.00831	.0134	.00026	.0107	.00009	.00003	.0095
%RSD	39.050	1.5768	1.3122	1.3309	12.329	.44560	.37920	25.044	.11543
#1	.00125	.00156	.62772	.99513	.00192	2.3831	.02349	-.00010	8.2467
#2	.00071	.00153	.63948	1.0140	.00229	2.3981	.02362	-.00014	8.2602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00254**	**.00010**	**1.817**	**-.00015**	**-.00038**	**3.6076**	**-.00012**	**.01822**	**.01759**
Stddev	.00035	.00030	.017	.00004	.00212	.0055	.00013	.00000	.00053
%RSD	13.910	311.29	.9063	26.736	565.80	.15257	108.70	.01513	3.0415
#1	.00229	-.00012	1.829	-.00012	.00113	3.6037	-.00003	.01822	.01721
#2	.00279	.00031	1.806	-.00017	-.00188	3.6115	-.00021	.01821	.01797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00055**	**.00124**	**.01115**
Stddev	.00083	.00020	.00018
%RSD	151.15	15.995	1.6377
#1	-.00113	.00139	.01128
#2	.00004	.00110	.01102
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2241.3**	**5804.6**	**82522.**	**10322.**
Stddev	6.6	2.4	285.	31.
%RSD	.29485	.04106	.34515	.30209
#1	2246.0	5802.9	82723.	10299.
#2	2236.6	5806.2	82320.	10344.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.653%	98.746%	99.995%	105.01%
Range				

Sample Name: CCV Acquired: 5/8/2014 22:33:14 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49315**	**25.298**	**.50615**	**.48759**	**.50260**	**.50250**	**24.845**	**.49487**	**.49247**	**.49660**	**.50113**	**24.952**	**24.558**	**.49197**
Stddev	.00093	.056	.00063	.00012	.00101	.00197	.035	.00027	.00029	.00141	.00032	.030	.062	.00150
%RSD	.18858	.22189	.12440	.02417	.20052	.39300	.14173	.05441	.05808	.28353	.06402	.11867	.25253	.30428
#1	.49250	25.259	.50660	.48751	.50188	.50389	24.820	.49507	.49267	.49760	.50090	24.973	24.515	.49091
#2	.49381	25.338	.50571	.48767	.50331	.50110	24.870	.49468	.49227	.49561	.50135	24.931	24.602	.49302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.938**	**.50524**	**.49399**	**24.294**	**.49572**	**.49622**	**24.70**	**.49947**	**.50324**	**24.386**	**.48246**	**.49772**	**.48520**	**.50719**
Stddev	.014	.00004	.00027	.033	.00091	.00070	.02	.00253	.00263	.118	.00036	.00113	.00066	.00299
%RSD	.05747	.00874	.05475	.13700	.18352	.14119	.1009	.50598	.52163	.48453	.07383	.22636	.13609	.58893
#1	24.928	.50527	.49418	24.270	.49636	.49572	24.69	.50126	.50509	24.302	.48220	.49852	.48566	.50930
#2	24.948	.50521	.49380	24.318	.49508	.49671	24.72	.49769	.50138	24.470	.48271	.49692	.48473	.50507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.48994**	**.49262**
Stddev	.00112	.00097
%RSD	.22853	.19740
#1	.49073	.49331
#2	.48915	.49193
Check ?	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	**2119.3**	**5753.1**	**80605.**	**10135.**
Stddev	2.5	4.6	179.	2.
%RSD	.11628	.08056	.22246	.01579
#1	2117.5	5749.8	80732.	10133.
#2	2121.0	5756.3	80478.	10136.

Sample Name: CCB Acquired: 5/8/2014 22:35:55 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00004**	**-.01056**	**.00132**	**.00047**	**.00007**	**-.00005**	**.00308**	**-.00002**	**.00014**	**.00045**	**-.00033**	**-.00159**
Stddev	.00031	.00194	.00077	.00004	.00001	.00012	.00041	.00002	.00004	.00016	.00011	.00063
%RSD	729.77	18.377	58.173	7.9225	13.818	247.70	13.424	101.27	30.307	35.872	33.763	39.521
#1	-.00018	-.01193	.00186	.00044	.00006	-.00013	.00337	-.00003	.00017	.00033	-.00041	-.00203
#2	.00026	-.00919	.00078	.00050	.00007	.00004	.00279	-.00001	.00011	.00056	-.00025	-.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	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03081**	**.00040**	**.00408**	**.00002**	**.00003**	**-.00656**	**.00027**	**-.00045**	**-.0025**	**.00139**	**.00054**	**.01269**
Stddev	.06433	.00032	.00117	.00008	.00004	.00411	.00039	.00041	.0013	.00037	.00096	.00278
%RSD	208.79	78.364	28.662	320.84	120.77	62.626	145.60	91.016	52.71	26.186	178.50	21.895
#1	-.07630	.00018	.00491	-.00003	.00000	-.00366	.00054	-.00074	-.0034	.00165	-.00014	.01466
#2	.01468	.00063	.00325	.00008	.00006	-.00947	-.00001	-.00016	-.0016	.00114	.00122	.01073
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00012**	**.00029**	**-.00244**	**.00012**	**.00012**
Stddev	.00019	.00009	.00008	.00142	.00009	.00013
%RSD	137.29	76.515	29.117	58.101	78.736	108.83
#1	-.00027	.00018	.00035	-.00344	.00018	.00021
#2	-.00000	.00005	.00023	-.00144	.00005	.00003
Check ?	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	**2278.6**	**5858.7**	**83599.**	**10269.**
Stddev	.1	2.7	16.	21.
%RSD	.00362	.04688	.01904	.20628
#1	2278.5	5856.7	83588.	10254.
#2	2278.7	5860.6	83611.	10284.

Sample Name: CCVL Acquired: 5/8/2014 22:38:47 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00620**	**.18563**	**.01345**	**.01887**	**.00232**	**.00189**	**.47749**	**.00188**	**.00403**	**.00381**	**.00900**	**.04685**
Stddev	.00026	.01316	.00024	.00019	.00001	.00001	.00771	.00002	.00014	.00011	.00007	.00157
%RSD	4.2337	7.0870	1.7878	1.0089	.30444	.64235	1.6143	1.2037	3.5635	2.9410	.77682	3.3415
#1	.00638	.19493	.01328	.01901	.00232	.00190	.48294	.00187	.00393	.00388	.00905	.04795
#2	.00601	.17633	.01362	.01874	.00231	.00188	.47204	.00190	.00413	.00373	.00895	.04574
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41346**	**.02819**	**.19617**	**.00281**	**.00993**	**.90286**	**.00969**	**.00965**	**.1924**	**.01956**	**.02481**	**.46332**
Stddev	.02832	.00037	.00105	.00002	.00006	.00683	.00009	.00003	.0012	.00041	.00022	.01128
%RSD	6.8491	1.3189	.53448	.62418	.63688	.75661	.96027	.31080	.6166	2.1140	.87140	2.4356
#1	.43348	.02792	.19543	.00280	.00988	.90769	.00963	.00963	.1933	.01926	.02496	.47130
#2	.39344	.02845	.19691	.00282	.00997	.89803	.00976	.00967	.1916	.01985	.02465	.45534
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00909**	**.00470**	**.00454**	**.01923**	**.00444**	**.01004**
Stddev	.00004	.00001	.00030	.00058	.00047	.00045
%RSD	.45244	.20931	6.6749	3.0089	10.485	4.5222
#1	.00906	.00471	.00475	.01964	.00477	.01037
#2	.00911	.00470	.00432	.01882	.00411	.00972
Check ?	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	**2286.4**	**5950.0**	**83582.**	**10188.**
Stddev	4.0	18.7	219.	5.
%RSD	.17465	.31502	.26221	.05207
#1	2289.2	5963.3	83427.	10184.
#2	2283.6	5936.7	83737.	10192.

Sample Name: 480-59358-c-4-a Acquired: 5/8/2014 22:41:37 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.63770**	**-.00136**	**.01740**	**.03423**	**-.00004**	**6.9272**	**.00002**	**.00059**
Stddev	.00004	.01717	.00181	.00034	.00018	.00008	.0380	.00013	.00004
%RSD	57.226	2.6927	132.83	1.9571	.52202	217.98	.54879	808.43	6.2074
#1	.00010	.62556	-.00264	.01764	.03435	.00002	6.9540	.00011	.00056
#2	.00004	.64984	-.00008	.01715	.03410	-.00009	6.9003	-.00008	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00134**	**.58670**	**1.1943**	**.00224**	**2.7896**	**.02554**	**.00026**	**8.4972**
Stddev	.00032	.00016	.00017	.0164	.00035	.0032	.00013	.00019	.0585
%RSD	51.016	11.686	.02950	1.3746	15.497	.11465	.49908	75.018	.68820
#1	.00085	.00123	.58682	1.2059	.00249	2.7874	.02545	.00040	8.5385
#2	.00040	.00145	.58657	1.1826	.00200	2.7919	.02563	.00012	8.4558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00218**	**.00005**	**2.593**	**-.00036**	**.00257**	**3.6665**	**-.00006**	**.02540**	**.01524**
Stddev	.00019	.00008	.010	.00075	.00124	.0008	.00042	.00021	.00003
%RSD	8.8012	160.54	.3854	207.98	48.311	.02260	751.36	.82155	.21464
#1	.00231	-.00001	2.586	-.00090	.00169	3.6659	-.00036	.02554	.01526
#2	.00204	.00011	2.600	.00017	.00345	3.6671	.00024	.02525	.01521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00165**	**.00105**	**.00893**
Stddev	.00075	.00003	.00004
%RSD	45.642	2.4378	.48131
#1	-.00112	.00107	.00890
#2	-.00218	.00103	.00896
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2234.1**	**5770.7**	**82983.**	**10389.**
Stddev	2.7	25.0	91.	31.
%RSD	.11866	.43289	.10970	.30107
#1	2232.2	5753.1	83048.	10367.
#2	2236.0	5788.4	82919.	10411.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.336%	98.171%	100.55%	105.70%
Range				

Sample Name: mb 480-180829/1-b Acquired: 5/8/2014 22:44:24 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00024**	**-.00000**	**.00068**	**.00032**	**-.00010**	**.00344**	**.00000**	**.00020**
Stddev	.00029	.00491	.00011	.00007	.00000	.00002	.00281	.00000	.00007
%RSD	3436.5	2069.3	2697.4	9.5859	.20450	19.053	81.536	58.014	32.349
#1	-.00021	.00323	.00007	.00073	.00032	-.00008	.00543	.00000	.00016
#2	.00019	-.00371	-.00008	.00064	.00033	-.00011	.00146	.00000	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00046**	**-.00275**	**-.00246**	**.00003**	**.00181**	**-.00015**	**-.00006**	**-.01104**
Stddev	.00022	.00017	.00114	.00722	.00018	.00179	.00000	.00001	.00090
%RSD	3750.6	37.095	41.499	293.09	521.89	98.829	1.0686	21.097	8.1276
#1	-.00016	-.00034	-.00195	.00264	-.00009	.00055	-.00016	-.00007	-.01168
#2	.00015	-.00058	-.00356	-.00757	.00016	.00308	-.00015	-.00005	-.01041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00084**	**.0019**	**.00027**	**.00178**	**.02549**	**-.00021**	**.00007**	**-.00004**
Stddev	.00023	.00084	.0051	.00104	.00132	.01190	.00004	.00003	.00011
%RSD	63.896	99.740	273.7	381.08	74.238	46.687	20.586	42.068	264.22
#1	.00020	.00143	.0055	-.00046	.00085	.03390	-.00018	.00005	-.00011
#2	.00052	.00025	-.0018	.00101	.00272	.01707	-.00024	.00009	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00148**	**.00015**	**.00184**
Stddev	.00026	.00004	.00041
%RSD	17.804	23.728	22.423
#1	-.00167	.00013	.00213
#2	-.00130	.00018	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2268.6**	**5803.5**	**84275.**	**10416.**
Stddev	4.4	17.9	32.	88.
%RSD	.19613	.30774	.03792	.84158
#1	2271.7	5816.1	84297.	10478.
#2	2265.4	5790.8	84252.	10354.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.853%	98.728%	102.12%	105.98%
Range				

Sample Name: lcs 480-180829/2-b Acquired: 5/8/2014 22:47:15 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05019**	**10.470**	**.20593**	**.20365**	**.21029**	**.20690**	**9.6545**	**.20138**	**.19888**
Stddev	.00002	.029	.00205	.00092	.00016	.00016	.0059	.00010	.00016
%RSD	.03709	.28002	.99410	.45367	.07732	.07667	.06109	.05103	.08119
#1	.05021	10.449	.20448	.20300	.21018	.20679	9.6503	.20131	.19900
#2	.05018	10.490	.20738	.20431	.21041	.20702	9.6587	.20145	.19877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20205**	**.20606**	**10.070**	**9.8358**	**.20251**	**10.149**	**.20298**	**.20364**	**9.8816**
Stddev	.00043	.00010	.006	.0265	.00058	.008	.00016	.00002	.0202
%RSD	.21278	.04681	.05693	.26918	.28833	.07553	.07812	.01003	.20468
#1	.20175	.20599	10.074	9.8171	.20292	10.143	.20287	.20365	9.8673
#2	.20235	.20613	10.066	9.8545	.20210	10.154	.20309	.20363	9.8959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19548**	**.19524**	**10.05**	**.20970**	**.20615**	**10.067**	**.18779**	**.20621**	**.19372**
Stddev	.00016	.00224	.00	.00112	.00151	.058	.00038	.00007	.00009
%RSD	.08330	1.1487	.0362	.53396	.73074	.57207	.20105	.03368	.04620
#1	.19560	.19365	10.05	.21049	.20508	10.026	.18806	.20626	.19378
#2	.19537	.19683	10.06	.20891	.20721	10.107	.18753	.20616	.19366
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.21017**	**.20205**	**.19199**
Stddev	.00177	.00004	.00043
%RSD	.84279	.01785	.22600
#1	.21143	.20208	.19168
#2	.20892	.20203	.19229
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2184.4**	**5730.6**	**82144.**	**10381.**
Stddev	2.4	10.6	52.	18.
%RSD	.11065	.18503	.06333	.17627
#1	2186.1	5738.1	82181.	10394.
#2	2182.7	5723.1	82107.	10369.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.147%	97.488%	99.537%	105.62%
Range				

Sample Name: 480-59353-b-2-a Acquired: 5/8/2014 22:49:55 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00169**	**-.00126**	**.04811**	**.11587**	**-.00012**	**155.54**	**.00016**	**.00020**
Stddev	.00002	.00381	.00014	.00082	.00023	.00002	.57	.00006	.00007
%RSD	10.404	225.40	11.443	1.7005	.19644	19.267	.36940	38.370	36.739
#1	.00020	-.00438	-.00137	.04868	.11604	-.00010	155.94	.00020	.00015
#2	.00024	.00100	-.00116	.04753	.11571	-.00013	155.13	.00012	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.00152**	**-.00062**	**1.1232**	**.00376**	**28.164**	**.00002**	**.00031**	**2.9504**
Stddev	.00040	.00017	.00184	.0471	.00003	.090	.00003	.00030	.0225
%RSD	34.192	11.242	296.43	4.1911	.91567	.31961	168.34	98.515	.76320
#1	.00089	.00140	.00068	1.1564	.00379	28.227	-.00000	.00009	2.9663
#2	.00146	.00164	-.00192	1.0899	.00374	28.100	.00004	.00052	2.9344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00770**	**-.00035**	**6.368**	**-.00116**	**.00218**	**5.1145**	**-.00022**	**.18817**	**.00091**
Stddev	.00032	.00087	.023	.00058	.00124	.0113	.00007	.00091	.00002
%RSD	4.2029	253.23	.3599	49.476	56.666	.22158	32.604	.48239	1.8926
#1	.00747	-.00096	6.385	-.00157	.00131	5.1225	-.00017	.18753	.00089
#2	.00793	.00027	6.352	-.00076	.00306	5.1065	-.00027	.18881	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00180**	**-.00016**	**.03320**
Stddev	.00214	.00015	.00083
%RSD	118.59	94.055	2.5012
#1	-.00029	-.00027	.03379
#2	-.00331	-.00005	.03261
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2063.5**	**5509.8**	**78274.**	**9975.4**
Stddev	.1	4.8	347.	32.2
%RSD	.00654	.08739	.44306	.32296
#1	2063.4	5506.4	78029.	9952.6
#2	2063.6	5513.2	78519.	9998.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.828%	93.732%	94.848%	101.49%
Range				

Sample Name: 480-59353-b-2-aSD@5 Acquired: 5/8/2014 22:52:42 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00753**	**-.00098**	**.00925**	**.02328**	**-.00008**	**30.378**	**.00003**	**.00001**
Stddev	.00007	.01980	.00050	.00015	.00003	.00003	.104	.00011	.00008
%RSD	21.063	263.05	50.746	1.6273	.14287	34.479	.34183	329.71	840.21
#1	.00030	-.02153	-.00063	.00915	.02330	-.00006	30.451	-.00004	.00006
#2	.00040	.00647	-.00133	.00936	.02325	-.00010	30.304	.00011	-.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**-.00013**	**-.00158**	**.19559**	**.00075**	**5.4466**	**-.00000**	**-.00001**	**.54975**
Stddev	.00016	.00006	.00055	.02204	.00048	.0065	.00010	.00005	.00662
%RSD	28.751	48.160	35.227	11.269	63.309	.11885	10892.	712.00	1.2044
#1	.00045	-.00009	-.00197	.18000	.00041	5.4421	.00007	.00003	.54506
#2	.00068	-.00018	-.00118	.21117	.00109	5.4512	-.00007	-.00004	.55443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00175**	**-.00037**	**1.211**	**-.00027**	**.00233**	**.98854**	**.00003**	**.03747**	**.00032**
Stddev	.00019	.00063	.004	.00033	.00147	.00989	.00021	.00008	.00013
%RSD	10.944	170.10	.3729	124.14	63.061	1.0004	754.34	.21150	40.544
#1	.00161	-.00081	1.208	-.00003	.00337	.99553	-.00012	.03742	.00041
#2	.00188	.00007	1.214	-.00050	.00129	.98154	.00018	.03753	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00131**	**-.00004**	**.00658**
Stddev	.00143	.00019	.00066
%RSD	108.90	484.59	9.9817
#1	-.00030	-.00018	.00611
#2	-.00233	.00010	.00704
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2209.1**	**5737.2**	**82317.**	**10223.**
Stddev	3.1	10.6	213.	26.
%RSD	.14256	.18514	.25877	.25837
#1	2211.3	5744.7	82166.	10204.
#2	2206.8	5729.7	82467.	10242.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.234%	97.600%	99.747%	104.01%
Range				

Sample Name: 480-59353-b-2-aPDS Acquired: 5/8/2014 22:55:31 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04137**	**10.727**	**.22234**	**.25865**	**.32460**	**.21450**	**158.92**	**.20779**	**.20314**
Stddev	.00097	.002	.00178	.00073	.00055	.00043	.60	.00005	.00042
%RSD	2.3547	.01746	.80140	.28285	.16988	.20050	.38030	.02337	.20901
#1	.04068	10.728	.22360	.25916	.32421	.21480	158.49	.20782	.20284
#2	.04206	10.725	.22108	.25813	.32499	.21420	159.35	.20775	.20344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19931**	**.20961**	**10.193**	**11.513**	**.21667**	**37.034**	**.20076**	**.20771**	**13.294**
Stddev	.00074	.00030	.037	.005	.00023	.157	.00084	.00061	.028
%RSD	.37331	.14188	.35868	.04659	.10709	.42341	.41852	.29238	.21003
#1	.19878	.20940	10.219	11.517	.21684	36.923	.20017	.20728	13.274
#2	.19983	.20982	10.167	11.509	.21651	37.145	.20135	.20814	13.313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20880**	**.20457**	**6.238**	**.21679**	**.22228**	**15.484**	**.15794**	**.39072**	**.19683**
Stddev	.00022	.00070	.013	.00005	.00173	.079	.00202	.00106	.00005
%RSD	.10420	.34439	.2013	.02076	.77900	.50722	1.2763	.27156	.02484
#1	.20864	.20507	6.247	.21682	.22106	15.429	.15651	.39147	.19679
#2	.20895	.20408	6.229	.21676	.22350	15.540	.15936	.38997	.19686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.20963**	**.20485**	**.22105**
Stddev	.00326	.00082	.00048
%RSD	1.5565	.39955	.21587
#1	.20732	.20543	.22071
#2	.21193	.20427	.22139
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2019.1**	**5508.4**	**79868.**	**10222.**
Stddev	3.9	4.1	109.	38.
%RSD	.19359	.07467	.13644	.37032
#1	2021.8	5511.3	79945.	10249.
#2	2016.3	5505.5	79791.	10196.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.871%	93.708%	96.780%	104.01%
Range				

Sample Name: 480-59353-b-2-b ms Acquired: 5/8/2014 22:58:10 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05020**	**10.306**	**.20478**	**.24661**	**.31314**	**.20335**	**159.67**	**.20060**	**.19799**
Stddev	.00002	.004	.00202	.00043	.00048	.00000	1.90	.00029	.00011
%RSD	.03139	.04080	.98559	.17501	.15405	.00129	1.1870	.14560	.05700
#1	.05021	10.303	.20335	.24631	.31348	.20335	158.33	.20039	.19791
#2	.05019	10.309	.20620	.24692	.31280	.20335	161.01	.20080	.19807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19763**	**.20252**	**9.8425**	**10.989**	**.20332**	**38.058**	**.19824**	**.19692**	**12.721**
Stddev	.00082	.00014	.0875	.024	.00083	.032	.00024	.00110	.009
%RSD	.41355	.07050	.88876	.21917	.41022	.08405	.12160	.55612	.06857
#1	.19821	.20262	9.7807	10.972	.20391	38.081	.19807	.19615	12.727
#2	.19705	.20241	9.9044	11.006	.20273	38.036	.19841	.19770	12.715
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20073**	**.19818**	F **16.35**	**.20661**	**.20407**	**14.891**	**.19057**	**.38924**	**.19176**
Stddev	.00024	.00096	.02	.00083	.00062	.044	.00112	.00138	.00006
%RSD	.11926	.48227	.1181	.40042	.30223	.29587	.58744	.35545	.02977
#1	.20090	.19751	16.34	.20603	.20364	14.860	.19136	.39022	.19180
#2	.20056	.19886	16.37	.20720	.20451	14.922	.18977	.38826	.19172
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.20635**	**.19860**	**.22201**
Stddev	.00023	.00096	.00133
%RSD	.11052	.48547	.59792
#1	.20651	.19792	.22107
#2	.20619	.19928	.22295
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2029.8**	**5591.3**	**78903.**	**10214.**
Stddev	3.5	17.0	181.	120.
%RSD	.17220	.30417	.22973	1.1752
#1	2032.3	5603.3	78775.	10299.
#2	2027.3	5579.3	79031.	10129.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.342%	95.118%	95.610%	103.92%
Range				

Sample Name: 480-59353-b-2-c msd Acquired: 5/8/2014 23:00:50 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04932**	**10.264**	**.20485**	**.24656**	**.31226**	**.20269**	**158.30**	**.19994**	**.19578**
Stddev	.00015	.027	.00067	.00044	.00019	.00010	.57	.00026	.00015
%RSD	.29878	.26405	.32920	.17881	.06044	.04853	.36144	.13252	.07543
#1	.04921	10.245	.20438	.24687	.31213	.20262	157.90	.20013	.19589
#2	.04942	10.283	.20533	.24624	.31240	.20276	158.70	.19975	.19568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19386**	**.20329**	**9.8687**	**10.942**	**.20319**	**36.823**	**.19511**	**.19779**	**12.701**
Stddev	.00020	.00042	.0550	.064	.00126	.246	.00113	.00004	.036
%RSD	.10237	.20691	.55730	.58589	.61816	.66728	.57906	.02183	.28614
#1	.19401	.20299	9.8298	10.987	.20408	36.649	.19431	.19782	12.726
#2	.19372	.20358	9.9076	10.896	.20230	36.997	.19591	.19776	12.675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19907**	**.19532**	F **16.31**	**.20544**	**.20363**	**14.886**	**.18772**	**.38404**	**.18854**
Stddev	.00018	.00107	.09	.00158	.00079	.033	.00107	.00153	.00065
%RSD	.08886	.54584	.5678	.77070	.38816	.22412	.57164	.39787	.34551
#1	.19894	.19608	16.38	.20655	.20307	14.909	.18696	.38296	.18808
#2	.19919	.19457	16.25	.20432	.20419	14.862	.18847	.38512	.18900
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.20327**	**.19694**	**.21420**
Stddev	.00303	.00011	.00223
%RSD	1.4909	.05671	1.0396
#1	.20542	.19702	.21262
#2	.20113	.19686	.21577
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2022.2**	**5534.8**	**79306.**	**10142.**
Stddev	1.3	4.0	164.	13.
%RSD	.06274	.07169	.20721	.13051
#1	2021.3	5532.0	79423.	10152.
#2	2023.0	5537.6	79190.	10133.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.006%	94.157%	96.099%	103.19%
Range				

Sample Name: 480-59353-b-3-a Acquired: 5/8/2014 23:03:29 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00352**	**.00103**	**.20598**	**.08156**	**-.00011**	**176.45**	**.00017**	**.00033**
Stddev	.00008	.00590	.00117	.00015	.00028	.00009	.77	.00006	.00006
%RSD	34.618	167.38	113.13	.07115	.34820	87.691	.43679	35.541	19.422
#1	.00017	.00769	.00185	.20587	.08136	-.00017	177.00	.00013	.00028
#2	.00028	-.00065	.00021	.20608	.08176	-.00004	175.91	.00022	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**.00063**	**.45746**	**1.2325**	**.00349**	**34.501**	**.12005**	**.00027**	**4.3339**
Stddev	.00028	.00020	.00322	.0056	.00001	.153	.00049	.00000	.0211
%RSD	33.787	31.284	.70360	.45118	.41023	.44402	.40984	.82799	.48673
#1	.00062	.00049	.45519	1.2364	.00350	34.609	.12040	.00027	4.3488
#2	.00101	.00077	.45974	1.2286	.00348	34.393	.11971	.00026	4.3190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00246**	**.00087**	F **11.02**	**-.00090**	**.00107**	**5.6005**	**.00008**	**.18086**	**.00054**
Stddev	.00001	.00056	.07	.00045	.00196	.0393	.00028	.00043	.00002
%RSD	.34139	64.100	.6291	49.520	182.32	.70088	366.95	.24002	2.9925
#1	.00246	.00127	11.06	-.00121	-.00031	5.6283	.00028	.18116	.00053
#2	.00245	.00048	10.97	-.00058	.00246	5.5728	-.00012	.18055	.00055
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00106**	**-.00022**	**.53325**
Stddev	.00115	.00030	.00200
%RSD	108.39	135.41	.37483
#1	.00188	-.00044	.53466
#2	.00025	-.00001	.53184
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2037.1**	**5439.7**	**79218.**	**10196.**
Stddev	2.7	8.9	284.	16.
%RSD	.13164	.16434	.35795	.15296
#1	2039.0	5446.0	79017.	10185.
#2	2035.2	5433.3	79418.	10208.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.665%	92.539%	95.991%	103.74%
Range				

Sample Name: CCV Acquired: 5/8/2014 23:06:16 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49256**	**25.515**	**.50950**	**.49065**	**.50821**	**.50142**	**24.616**	**.49396**	**.48937**	**.49420**	**.50836**	**24.719**	**24.987**	**.50440**
Stddev	.00291	.011	.00291	.00096	.00175	.00050	.056	.00052	.00018	.00367	.00271	.053	.034	.00226
%RSD	.59077	.04408	.57130	.19527	.34401	.10040	.22947	.10467	.03763	.74302	.53346	.21378	.13431	.44720
#1	.49462	25.507	.51156	.48998	.50697	.50106	24.576	.49359	.48924	.49680	.51028	24.681	24.964	.50281
#2	.49051	25.523	.50744	.49133	.50944	.50177	24.656	.49432	.48950	.49160	.50645	24.756	25.011	.50600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.570**	**.49931**	**.49422**	**24.772**	**.49353**	**.49032**	**24.86**	**.50577**	**.50582**	**24.435**	**.47566**	**.49669**	**.48222**	**.50180**
Stddev	.231	.00454	.00070	.102	.00081	.00134	.05	.00265	.00184	.091	.00176	.00061	.00311	.00439
%RSD	.93909	.90991	.14094	.41009	.16339	.27413	.2035	.52303	.36344	.37378	.36961	.12235	.64509	.87431
#1	24.733	.50252	.49373	24.701	.49410	.49127	24.89	.50390	.50452	24.370	.47690	.49626	.48442	.49869
#2	24.407	.49610	.49471	24.844	.49296	.48937	24.82	.50764	.50711	24.499	.47442	.49712	.48002	.50490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.49082**	**.48158**
Stddev	.00500	.00772
%RSD	1.0194	1.6037
#1	.49436	.48705
#2	.48728	.47612
Check ?	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	**2114.0**	**5715.2**	**80566.**	**10205.**
Stddev	.7	6.2	692.	6.
%RSD	.03178	.10868	.85859	.06022
#1	2114.5	5719.6	80077.	10201.
#2	2113.6	5710.8	81055.	10210.

Sample Name: CCB Acquired: 5/8/2014 23:08:56 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00026**	**-.00667**	**-.00097**	**.00068**	**.00001**	**-.00012**	**-.00649**	**.00000**	**.00006**	**.00001**	**-.00043**	**-.00213**
Stddev	.00037	.00044	.00230	.00019	.00000	.00011	.00339	.00001	.00014	.00036	.00004	.00005
%RSD	139.86	6.5421	236.89	27.497	38.954	94.133	52.279	353.73	250.47	6073.6	8.3510	2.1156
#1	.00000	-.00698	-.00260	.00055	.00001	-.00020	-.00888	.00001	.00016	.00026	-.00040	-.00210
#2	.00052	-.00636	.00066	.00081	.00001	-.00004	-.00409	-.00000	-.00004	-.00025	-.00045	-.00216
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03090**	**-.00001**	**-.00140**	**.00004**	**.00013**	**-.01533**	**.00019**	**-.00043**	**.0006**	**.00095**	**-.00171**	**.00871**
Stddev	.00032	.00059	.00236	.00008	.00005	.00472	.00013	.00038	.0037	.00079	.00061	.00044
%RSD	1.0449	4233.3	168.25	213.00	42.742	30.767	71.694	87.653	592.8	83.517	35.867	5.0400
#1	-.03113	.00040	.00027	-.00002	.00009	-.01867	.00028	-.00016	.0033	.00039	-.00128	.00902
#2	-.03067	-.00043	-.00307	.00010	.00016	-.01200	.00009	-.00070	-.0020	.00151	-.00214	.00840
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00000**	**-.00004**	**-.00044**	**-.00026**	**-.00021**
Stddev	.00005	.00006	.00006	.00067	.00010	.00038
%RSD	286.52	1450.8	162.49	151.17	38.944	182.92
#1	.00002	.00005	.00001	-.00092	-.00019	-.00048
#2	-.00006	-.00004	-.00008	.00003	-.00033	.00006
Check ?	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	**2273.5**	**5855.0**	**83870.**	**10276.**
Stddev	.2	4.6	185.	39.
%RSD	.01000	.07806	.22010	.38176
#1	2273.3	5858.3	84001.	10249.
#2	2273.6	5851.8	83739.	10304.

Sample Name: CCVL Acquired: 5/8/2014 23:11:48 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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**	**.17875**	**.01428**	**.01936**	**.00229**	**.00195**	**.46635**	**.00191**	**.00397**	**.00390**	**.00903**	**.04734**
Stddev	.00065	.01214	.00135	.00006	.00003	.00005	.00343	.00003	.00001	.00010	.00005	.00202
%RSD	12.233	6.7898	9.4265	.31142	1.1566	2.3868	.73645	1.8315	.12666	2.6217	.52407	4.2739
#1	.00574	.18733	.01333	.01940	.00231	.00192	.46878	.00194	.00397	.00383	.00900	.04878
#2	.00483	.17016	.01523	.01932	.00228	.00199	.46392	.00189	.00398	.00397	.00907	.04591
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42645**	**.02688**	**.18985**	**.00274**	**.00991**	**.90276**	**.00964**	**.00985**	**.1931**	**.01984**	**.02328**	**.47841**
Stddev	.01614	.00091	.00151	.00001	.00007	.00767	.00028	.00017	.0039	.00056	.00116	.01239
%RSD	3.7836	3.3842	.79504	.26538	.65923	.84952	2.8722	1.7155	2.001	2.8226	4.9743	2.5906
#1	.41504	.02752	.19092	.00274	.00995	.90818	.00944	.00973	.1958	.02024	.02410	.46964
#2	.43786	.02624	.18878	.00273	.00986	.89734	.00983	.00997	.1904	.01945	.02247	.48717
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00889**	**.00487**	**.00497**	**.01801**	**.00473**	**.00946**
Stddev	.00037	.00012	.00029	.00031	.00030	.00025
%RSD	4.1818	2.5468	5.9056	1.7093	6.3698	2.6935
#1	.00915	.00496	.00476	.01779	.00452	.00964
#2	.00862	.00478	.00518	.01823	.00495	.00928
Check ?	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	**2283.6**	**5924.8**	**83915.**	**10382.**
Stddev	1.7	2.2	245.	39.
%RSD	.07531	.03789	.29139	.37846
#1	2284.8	5926.4	83742.	10410.
#2	2282.3	5923.3	84088.	10355.

Sample Name: 480-59353-b-4-a Acquired: 5/8/2014 23:14:38 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.02437**	**.00122**	**.31446**	**.06177**	**-.00010**	**126.50**	**.00014**	**.00016**
Stddev	.00015	.00567	.00110	.00013	.00009	.00004	1.15	.00003	.00017
%RSD	147.68	23.256	89.676	.04139	.14760	41.312	.91014	17.938	102.74
#1	.00000	-.02036	.00200	.31437	.06184	-.00007	127.31	.00016	.00028
#2	-.00021	-.02838	.00045	.31455	.06171	-.00013	125.69	.00013	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00032**	**.67199**	**1.1767**	**.00177**	**27.008**	**.01254**	**.00011**	**4.3663**
Stddev	.00004	.00005	.00399	.0303	.00068	.069	.00009	.00024	.0258
%RSD	6.3104	15.091	.59395	2.5740	38.242	.25526	.73846	223.46	.59160
#1	.00061	.00029	.66917	1.1553	.00129	27.057	.01247	.00027	4.3846
#2	.00067	.00036	.67481	1.1982	.00225	26.959	.01261	-.00006	4.3481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00258**	**.00029**	**8.874**	**-.00019**	**.00116**	**4.9234**	**-.00010**	**.12558**	**.00071**
Stddev	.00010	.00101	.028	.00006	.00022	.0630	.00047	.00063	.00015
%RSD	3.7779	352.07	.3112	32.582	18.860	1.2799	454.52	.49989	21.510
#1	.00265	.00100	8.893	-.00015	.00101	4.9680	.00023	.12514	.00082
#2	.00251	-.00043	8.854	-.00023	.00132	4.8788	-.00044	.12603	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00005**	**-.00021**	**.27222**
Stddev	.00167	.00039	.00065
%RSD	3449.4	189.47	.24036
#1	-.00123	.00007	.27268
#2	.00113	-.00048	.27176
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2070.8**	**5500.2**	**79105.**	**10035.**
Stddev	1.1	1.0	273.	70.
%RSD	.05247	.01735	.34557	.69983
#1	2071.6	5500.9	78912.	9985.0
#2	2070.0	5499.5	79299.	10084.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.148%	93.568%	95.855%	102.09%
Range				

Sample Name: 480-59353-b-5-a Acquired: 5/8/2014 23:17:25 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00002**	**-.00046**	**2.0819**	**.09440**	**-.00014**	**157.76**	**.00057**	**.00067**
Stddev	.00061	.00486	.00197	.0053	.00001	.00002	.95	.00002	.00001
%RSD	481.13	31506.	425.60	.25613	.00914	18.312	.60273	4.1852	1.9497
#1	-.00031	.00342	.00093	2.0782	.09441	-.00015	158.43	.00059	.00068
#2	.00056	-.00345	-.00186	2.0857	.09440	-.00012	157.09	.00055	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00137**	**.01989**	**1.2173**	**.00226**	**34.078**	**.01810**	**.00042**	**24.694**
Stddev	.00005	.00016	.00083	.0350	.00047	.024	.00007	.00004	.047
%RSD	8.8217	11.510	4.1842	2.8758	20.837	.07053	.37114	8.5925	.19031
#1	.00059	.00126	.01930	1.2420	.00260	34.095	.01814	.00040	24.660
#2	.00052	.00148	.02048	1.1925	.00193	34.061	.01805	.00045	24.727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00965**	**-.00046**	F **16.65**	**-.00021**	**.00314**	**5.1680**	**.00004**	**.12673**	**.00046**
Stddev	.00003	.00100	.01	.00072	.00008	.0191	.00046	.00009	.00000
%RSD	.34906	215.55	.0687	346.85	2.5934	.36880	1149.9	.07365	.02956
#1	.00968	.00024	16.64	.00030	.00320	5.1815	-.00029	.12666	.00046
#2	.00963	-.00117	16.66	-.00072	.00308	5.1545	.00037	.12679	.00046
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00064**	**-.00012**	**.44486**
Stddev	.00210	.00015	.00073
%RSD	329.34	126.03	.16380
#1	-.00212	-.00001	.44538
#2	.00085	-.00022	.44435
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2033.9**	**5494.9**	**78236.**	**9989.9**
Stddev	3.9	13.1	115.	41.0
%RSD	.19191	.23907	.14665	.41040
#1	2036.7	5504.2	78318.	9960.9
#2	2031.2	5485.7	78155.	10019.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.525%	93.479%	94.803%	101.64%
Range				

Sample Name: 480-59358-d-1-a Acquired: 5/8/2014 23:20:11 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.04340**	**.00025**	**.02870**	**.02311**	**-.00001**	**13.729**	**.00013**	**.00042**
Stddev	.00037	.03190	.00030	.00015	.00001	.00012	.134	.00008	.00002
%RSD	231.76	73.503	118.86	.52228	.04115	1551.6	.97671	60.225	5.9111
#1	-.00010	.06596	.00004	.02880	.02312	.00008	13.824	.00007	.00040
#2	.00042	.02084	.00047	.02859	.02310	-.00009	13.634	.00018	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00315**	**.03795**	**2.4517**	**.00217**	**4.3889**	**.00503**	**.00081**	**73.433**
Stddev	.00058	.00030	.00284	.0374	.00020	.0132	.00005	.00022	.239
%RSD	107.61	9.5982	7.4934	1.5239	9.1870	.29951	.94502	27.007	.32482
#1	.00013	.00294	.03996	2.4253	.00203	4.3797	.00506	.00065	73.602
#2	.00096	.00337	.03593	2.4781	.00231	4.3982	.00499	.00096	73.265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00500**	**-.00004**	**4.892**	**-.00167**	**-.00180**	**3.3488**	**-.00064**	**.05732**	**.00068**
Stddev	.00061	.00160	.024	.00071	.00214	.0336	.00009	.00041	.00015
%RSD	12.216	3731.1	.4851	42.457	119.37	1.0027	14.317	.71124	22.129
#1	.00457	-.00118	4.908	-.00117	-.00028	3.3725	-.00057	.05703	.00057
#2	.00543	.00109	4.875	-.00217	-.00331	3.3250	-.00070	.05761	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00089**	**.00063**	**.02734**
Stddev	.00042	.00004	.00020
%RSD	47.272	5.5972	.72958
#1	-.00059	.00061	.02720
#2	-.00119	.00066	.02749
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2127.4**	**5666.0**	**80747.**	**10280.**
Stddev	5.1	.3	68.	100.
%RSD	.23776	.00493	.08416	.96959
#1	2123.9	5665.8	80699.	10210.
#2	2131.0	5666.2	80795.	10351.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.641%	96.388%	97.844%	104.60%
Range				

Sample Name: 480-59358-d-2-a Acquired: 5/8/2014 23:22:58 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.03824**	**-.00156**	**.01162**	**.02180**	**-.00011**	**5.2830**	**.00004**	**.00018**
Stddev	.00035	.00211	.00078	.00001	.00008	.00001	.0375	.00004	.00006
%RSD	160.97	5.5231	49.858	.06565	.37017	8.2902	.71030	86.784	32.548
#1	-.00003	.03973	-.00101	.01162	.02185	-.00012	5.3095	.00002	.00023
#2	.00047	.03675	-.00211	.01161	.02174	-.00011	5.2565	.00007	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00026**	**.04165**	**.81091**	**-.00012**	**2.1723**	**.00903**	**-.00001**	**8.7573**
Stddev	.00011	.00002	.00044	.01416	.00043	.0060	.00007	.00043	.0357
%RSD	12015.	7.6525	1.0539	1.7461	360.87	.27467	.78037	7665.6	.40734
#1	.00008	.00025	.04196	.82092	-.00043	2.1681	.00908	-.00031	8.7825
#2	-.00008	.00028	.04134	.80090	.00019	2.1765	.00898	.00030	8.7321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**.00033**	**1.690**	**.00040**	**-.00107**	**2.8061**	**-.00029**	**.01651**	**.00080**
Stddev	.00031	.00020	.003	.00051	.00006	.0191	.00015	.00005	.00022
%RSD	23.940	60.193	.1948	128.61	5.4804	.67937	52.190	.31396	27.353
#1	.00153	.00019	1.687	.00004	-.00103	2.8196	-.00039	.01655	.00065
#2	.00109	.00047	1.692	.00076	-.00111	2.7926	-.00018	.01648	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00003**	**.00017**	**.00433**
Stddev	.00065	.00018	.00020
%RSD	1917.3	106.38	4.5399
#1	.00050	.00030	.00419
#2	-.00043	.00004	.00447
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2232.4**	**5730.7**	**82473.**	**10258.**
Stddev	4.2	7.1	25.	56.
%RSD	.18783	.12445	.03008	.54984
#1	2235.4	5735.8	82490.	10219.
#2	2229.5	5725.7	82455.	10298.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.261%	97.490%	99.936%	104.37%
Range				

Sample Name: 480-59358-d-3-a Acquired: 5/8/2014 23:25:46 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.09266**	**-.00036**	**.01162**	**.03201**	**-.00003**	**5.1105**	**-.00001**	**.00015**
Stddev	.00015	.02026	.00168	.00018	.00003	.00004	.0411	.00005	.00005
%RSD	68.519	21.861	469.27	1.5569	.07840	137.07	.80428	337.69	30.370
#1	-.00033	.10699	.00083	.01150	.03203	-.00006	5.0814	-.00005	.00012
#2	-.00011	.07834	-.00155	.01175	.03200	-.00000	5.1396	.00002	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00067**	**.10482**	**.87416**	**.00139**	**2.3297**	**.00807**	**.00005**	**8.1716**
Stddev	.00024	.00000	.00256	.02589	.00104	.0101	.00005	.00005	.0088
%RSD	72.826	.09335	2.4427	2.9622	75.178	.43424	.61569	111.76	.10818
#1	.00049	.00067	.10301	.85585	.00065	2.3226	.00804	.00001	8.1779
#2	.00016	.00067	.10663	.89247	.00213	2.3369	.00811	.00009	8.1654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00193**	**-.00046**	**1.880**	**.00129**	**.00187**	**2.7169**	**.00004**	**.01834**	**.00204**
Stddev	.00002	.00067	.005	.00037	.00294	.0175	.00026	.00006	.00024
%RSD	1.2901	145.14	.2590	28.965	157.17	.64455	693.25	.30151	11.769
#1	.00194	.00001	1.876	.00103	-.00021	2.7045	-.00015	.01830	.00187
#2	.00191	-.00094	1.883	.00156	.00395	2.7293	.00022	.01837	.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00152**	**.00025**	**.00760**
Stddev	.00113	.00014	.00029
%RSD	74.512	57.159	3.8079
#1	-.00072	.00035	.00739
#2	-.00232	.00015	.00780
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2235.0**	**5760.1**	**82480.**	**10408.**
Stddev	1.0	5.2	402.	92.
%RSD	.04680	.08989	.48798	.88621
#1	2235.7	5763.8	82765.	10473.
#2	2234.2	5756.4	82196.	10343.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.373%	97.990%	99.945%	105.89%
Range				

Sample Name: 480-59358-d-4-a Acquired: 5/8/2014 23:28:35 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.04901**	**-.00173**	**.01566**	**.03007**	**-.00010**	**6.6870**	**.00003**	**.00027**
Stddev	.00054	.00211	.00054	.00006	.00010	.00006	.0340	.00004	.00012
%RSD	184.67	4.3025	31.365	.36614	.32916	62.724	.50781	142.15	46.021
#1	-.00009	.05050	-.00135	.01562	.03014	-.00014	6.6629	-.00000	.00036
#2	.00068	.04751	-.00211	.01570	.03000	-.00005	6.7110	.00005	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00046**	**.08594**	**1.1054**	**.00206**	**2.6462**	**.01456**	**.00016**	**8.2835**
Stddev	.00001	.00016	.00560	.0215	.00089	.0236	.00017	.00004	.0618
%RSD	4.6808	33.467	6.5206	1.9461	43.369	.89050	1.1822	25.434	.74607
#1	.00024	.00035	.08198	1.1206	.00143	2.6295	.01444	.00019	8.2398
#2	.00026	.00057	.08990	1.0902	.00269	2.6628	.01469	.00013	8.3272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00165**	**-.00029**	**2.511**	**-.00082**	**.00006**	**2.8414**	**-.00006**	**.02468**	**.00159**
Stddev	.00050	.00112	.009	.00011	.00044	.0293	.00007	.00015	.00005
%RSD	30.158	392.53	.3783	13.572	790.44	1.0296	128.01	.60938	2.9226
#1	.00201	-.00108	2.518	-.00090	-.00026	2.8207	-.00011	.02479	.00155
#2	.00130	.00051	2.504	-.00074	.00037	2.8621	-.00001	.02457	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00066**	**.00011**	**.00571**
Stddev	.00011	.00001	.00007
%RSD	16.500	5.4914	1.2920
#1	-.00073	.00012	.00566
#2	-.00058	.00011	.00576
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2242.2**	**5851.2**	**83307.**	**10476.**
Stddev	.5	8.8	232.	57.
%RSD	.02335	.14955	.27815	.54743
#1	2242.6	5857.4	83471.	10517.
#2	2241.8	5845.0	83143.	10435.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.692%	99.539%	100.95%	106.58%
Range				

Sample Name: 480-59356-e-1-a Acquired: 5/8/2014 23:31:24 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.03750**	**-.00059**	**.00554**	**.04232**	**.00029**	**3.4837**	**.00010**	**.00196**
Stddev	.00040	.00224	.00082	.00004	.00013	.00002	.0191	.00001	.00008
%RSD	99.205	5.9675	139.59	.64026	.31521	7.7551	.54865	5.8234	3.9155
#1	.00012	.03908	-.00117	.00557	.04222	.00028	3.4702	.00009	.00202
#2	.00069	.03592	-.00001	.00552	.04241	.00031	3.4972	.00010	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00405**	**.00029**	**1.0593**	**.00440**	**2.8139**	**.04361**	**-.00004**	**7.0409**
Stddev	.00001	.00018	.00075	.0086	.00094	.0117	.00006	.00020	.0450
%RSD	1.8466	4.4198	259.17	.80839	21.412	.41655	.12938	473.98	.63957
#1	.00038	.00418	.00082	1.0653	.00507	2.8222	.04357	.00010	7.0090
#2	.00039	.00393	-.00024	1.0532	.00374	2.8056	.04365	-.00019	7.0727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00534**	**.00008**	**.6714**	**.00027**	**-.00170**	**4.7145**	**.00015**	**.02251**	**.00027**
Stddev	.00023	.00103	.0040	.00068	.00155	.0321	.00010	.00012	.00046
%RSD	4.3603	1232.7	.5984	247.54	90.741	.68131	66.507	.53741	171.91
#1	.00551	-.00065	.6686	-.00021	-.00280	4.6918	.00022	.02259	-.00006
#2	.00518	.00081	.6742	.00075	-.00061	4.7372	.00008	.02242	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00191**	**.00007**	**.00785**
Stddev	.00038	.00003	.00018
%RSD	19.746	37.827	2.2713
#1	-.00164	.00008	.00797
#2	-.00218	.00005	.00772
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2244.8**	**5804.1**	**82431.**	**10291.**
Stddev	10.2	8.5	80.	51.
%RSD	.45421	.14725	.09763	.49829
#1	2252.0	5810.1	82487.	10327.
#2	2237.6	5798.1	82374.	10254.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.808%	98.738%	99.885%	104.70%
Range				

Sample Name: 480-59356-e-2-a Acquired: 5/8/2014 23:34:11 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.03123**	**-.00088**	**.00426**	**.02186**	**.00009**	**3.3541**	**.00009**	**.00115**
Stddev	.00037	.00237	.00110	.00001	.00004	.00006	.0136	.00004	.00013
%RSD	355.05	7.5921	125.28	.27229	.17774	67.483	.40681	50.034	11.392
#1	.00016	.03291	-.00010	.00425	.02189	.00005	3.3638	.00006	.00106
#2	-.00036	.02956	-.00165	.00427	.02183	.00014	3.3445	.00012	.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	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00390**	**-.00164**	**.76940**	**.00283**	**3.6046**	**.02150**	**-.00015**	**9.3626**
Stddev	.00012	.00006	.00238	.04203	.00040	.0803	.00044	.00016	.0156
%RSD	553.61	1.5820	145.76	5.4628	14.049	2.2268	2.0378	108.69	.16615
#1	-.00011	.00386	-.00332	.79912	.00255	3.5479	.02119	-.00027	9.3736
#2	.00006	.00395	.00005	.73968	.00311	3.6614	.02181	-.00003	9.3516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00657**	**-.00050**	**.0399**	**-.00109**	**.00027**	**4.8476**	**.00008**	**.01858**	**-.00003**
Stddev	.00002	.00016	.0035	.00010	.00370	.0068	.00034	.00012	.00021
%RSD	.32764	31.706	8.819	9.2792	1384.2	.13944	446.45	.67273	709.65
#1	.00656	-.00061	.0375	-.00101	.00288	4.8524	.00032	.01849	.00012
#2	.00659	-.00039	.0424	-.00116	-.00235	4.8428	-.00016	.01866	-.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00010**	**.00001**	**.00795**
Stddev	.00010	.00006	.00077
%RSD	97.689	591.98	9.7434
#1	.00003	.00006	.00740
#2	.00017	-.00003	.00850
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2237.7**	**5794.0**	**82800.**	**10384.**
Stddev	2.2	22.3	1055.	58.
%RSD	.09767	.38534	1.2742	.55630
#1	2239.3	5809.8	83546.	10343.
#2	2236.2	5778.2	82054.	10424.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.495%	98.567%	100.33%	105.64%
Range				

Sample Name: 480-59356-e-3-a Acquired: 5/8/2014 23:37:00 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.03957**	**-.00024**	**.00497**	**.03218**	**.00008**	**2.9401**	**-.00009**	**.00084**
Stddev	.00016	.02067	.00041	.00030	.00007	.00003	.0105	.00009	.00011
%RSD	68.043	52.244	168.89	6.1134	.20794	31.031	.35746	90.630	13.349
#1	.00035	.02495	-.00053	.00476	.03223	.00010	2.9476	-.00003	.00076
#2	.00012	.05419	.00005	.00519	.03214	.00007	2.9327	-.00016	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00503**	**-.00059**	**.73205**	**.00322**	**2.6767**	**.01496**	**-.00021**	**4.4839**
Stddev	.00007	.00021	.00049	.01831	.00096	.0051	.00007	.00014	.0153
%RSD	35.585	4.1118	81.962	2.5015	29.879	.19197	.44995	65.658	.34203
#1	.00015	.00518	-.00025	.71910	.00254	2.6803	.01501	-.00011	4.4947
#2	.00025	.00488	-.00094	.74500	.00390	2.6731	.01491	-.00031	4.4731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00447**	**-.00077**	**.2932**	**.00096**	**-.00140**	**4.2875**	**.00001**	**.01917**	**.00035**
Stddev	.00012	.00010	.0015	.00019	.00387	.0318	.00008	.00002	.00005
%RSD	2.6885	13.422	.5096	20.113	277.50	.74225	594.40	.12913	13.978
#1	.00455	-.00084	.2921	.00082	.00134	4.2650	-.00004	.01919	.00031
#2	.00438	-.00070	.2943	.00110	-.00413	4.3100	.00007	.01915	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00117**	**.00001**	**.01118**
Stddev	.00183	.00008	.00050
%RSD	156.27	640.68	4.4714
#1	-.00247	.00007	.01083
#2	.00012	-.00004	.01154
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2241.5**	**5743.5**	**83378.**	**10443.**
Stddev	.5	10.1	551.	16.
%RSD	.02376	.17510	.66038	.14976
#1	2241.9	5750.6	82989.	10432.
#2	2241.2	5736.4	83768.	10454.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.663%	97.707%	101.03%	106.25%
Range				

Sample Name: CCV Acquired: 5/8/2014 23:39:50 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48740**	**25.308**	**.51139**	**.49248**	**.50556**	**.50373**	**24.419**	**.49381**	**.48820**	**.48440**	**.49739**	**24.820**	**24.609**	**.50037**
Stddev	.00061	.025	.00032	.00052	.00005	.00071	.039	.00010	.00026	.00117	.00051	.074	.067	.00126
%RSD	.12605	.09741	.06207	.10497	.00926	.14089	.15941	.02015	.05413	.24166	.10241	.29762	.27374	.25222
#1	.48697	25.291	.51162	.49211	.50553	.50423	24.447	.49388	.48802	.48357	.49703	24.872	24.561	.50126
#2	.48784	25.326	.51117	.49284	.50559	.50322	24.392	.49374	.48839	.48523	.49775	24.768	24.656	.49948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.564**	**.50112**	**.49538**	**24.413**	**.49474**	**.48800**	**25.15**	**.51236**	**.50930**	**24.239**	**.47191**	**.49994**	**.48054**	**.50432**
Stddev	.009	.00105	.00053	.007	.00036	.00019	.00	.00096	.00187	.005	.00076	.00089	.00253	.00258
%RSD	.03797	.20912	.10794	.03048	.07364	.03802	.0098	.18817	.36697	.01969	.16086	.17864	.52559	.51187
#1	24.558	.50038	.49501	24.418	.49449	.48787	25.15	.51304	.50797	24.242	.47138	.50057	.48232	.50249
#2	24.571	.50187	.49576	24.408	.49500	.48813	25.16	.51168	.51062	24.236	.47245	.49930	.47875	.50614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.47960**	**.47300**
Stddev	.00092	.00243
%RSD	.19092	.51391
#1	.47895	.47129
#2	.48025	.47472
Check ?	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	**2101.4**	**5669.5**	**81324.**	**10229.**
Stddev	.4	4.2	92.	31.
%RSD	.02113	.07362	.11326	.30470
#1	2101.7	5672.5	81259.	10206.
#2	2101.0	5666.6	81389.	10251.

Sample Name: CCB Acquired: 5/8/2014 23:42:31 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00006**	**-.00709**	**-.00077**	**.00069**	**.00001**	**-.00006**	**-.00080**	**.00003**	**.00013**	**.00013**	**-.00060**	**-.00405**
Stddev	.00084	.00261	.00171	.00020	.00001	.00007	.00152	.00003	.00002	.00031	.00005	.00145
%RSD	1318.0	36.791	221.78	28.725	65.179	111.59	190.63	107.26	13.404	238.26	8.0171	35.747
#1	-.00053	-.00893	.00044	.00082	.00001	-.00001	.00028	.00001	.00011	-.00009	-.00063	-.00508
#2	.00066	-.00525	-.00198	.00055	.00002	-.00010	-.00187	.00005	.00014	.00035	-.00057	-.00303
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01292**	**-.00050**	**.00610**	**.00001**	**.00007**	**-.01701**	**-.00000**	**.00015**	**-.0011**	**.00138**	**.00028**	**.02427**
Stddev	.01266	.00007	.00115	.00004	.00015	.00506	.00030	.00017	.0014	.00015	.00163	.00653
%RSD	98.003	13.350	18.856	649.06	204.93	29.764	26538.	109.73	136.7	10.607	593.24	26.882
#1	.00397	-.00045	.00529	.00003	.00017	-.01343	.00021	.00003	-.0021	.00148	-.00088	.01966
#2	.02187	-.00055	.00692	-.00002	-.00003	-.02060	-.00021	.00027	-.0000	.00128	.00143	.02889
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00009**	**.00006**	**-.00265**	**.00006**	**.00030**
Stddev	.00022	.00003	.00013	.00133	.00040	.00022
%RSD	1636.7	38.166	211.27	49.971	700.79	73.458
#1	.00017	.00006	-.00003	-.00172	-.00022	.00045
#2	-.00014	.00011	.00016	-.00359	.00034	.00014
Check ?	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	**2270.7**	**5819.0**	**84017.**	**10384.**
Stddev	1.8	6.2	912.	3.
%RSD	.07784	.10640	1.0857	.03263
#1	2271.9	5823.4	83372.	10382.
#2	2269.4	5814.6	84662.	10386.

Sample Name: CCVL Acquired: 5/8/2014 23:45:23 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00563**	**.19947**	**.01288**	**.01905**	**.00230**	**.00194**	**.46255**	**.00189**	**.00403**	**.00400**	**.00898**	**.05232**
Stddev	.00030	.00667	.00059	.00004	.00001	.00005	.00132	.00003	.00010	.00013	.00003	.00395
%RSD	5.3936	3.3426	4.5697	.21428	.40095	2.4421	.28539	1.4741	2.5870	3.1380	.29086	7.5469
#1	.00542	.20418	.01329	.01908	.00231	.00191	.46348	.00191	.00410	.00408	.00896	.05511
#2	.00585	.19475	.01246	.01902	.00230	.00197	.46161	.00187	.00395	.00391	.00900	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47252**	**.02710**	**.19641**	**.00278**	**.00956**	**.88993**	**.00969**	**.00933**	**.1992**	**.02108**	**.02541**	**.46387**
Stddev	.00742	.00033	.00120	.00007	.00018	.00665	.00005	.00018	.0006	.00126	.00175	.01775
%RSD	1.5694	1.2205	.60903	2.5425	1.8738	.74778	.55403	1.8924	.3202	5.9975	6.8778	3.8256
#1	.46728	.02686	.19556	.00273	.00969	.89463	.00973	.00945	.1996	.02019	.02417	.45132
#2	.47777	.02733	.19726	.00283	.00943	.88522	.00965	.00920	.1987	.02198	.02664	.47642
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00859**	**.00486**	**.00448**	**.01912**	**.00440**	**.00880**
Stddev	.00031	.00008	.00020	.00137	.00007	.00053
%RSD	3.5541	1.7099	4.5163	7.1435	1.6092	6.0310
#1	.00837	.00480	.00434	.02009	.00435	.00918
#2	.00881	.00492	.00463	.01816	.00445	.00843
Check ?	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	**2290.0**	**5938.5**	**84593.**	**10427.**
Stddev	3.3	62.4	296.	23.
%RSD	.14528	1.0508	.35021	.22227
#1	2292.3	5894.4	84384.	10410.
#2	2287.6	5982.7	84803.	10443.

Sample Name: 480-59356-e-4-a Acquired: 5/8/2014 23:48:13 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02678**	**-.00211**	**.00390**	**.03220**	**.00010**	**2.7722**	**.00002**	**.00092**
Stddev	.00018	.00225	.00296	.00006	.00012	.00003	.0046	.00003	.00005
%RSD	741.83	8.4129	140.23	1.4108	.37418	26.439	.16528	154.59	5.3586
#1	-.00010	.02519	-.00002	.00386	.03212	.00008	2.7754	.00004	.00088
#2	.00015	.02838	-.00421	.00394	.03229	.00012	2.7689	-.00000	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00790**	**.00133**	**.74303**	**.00482**	**2.6294**	**.01625**	**.00013**	**4.1941**
Stddev	.00005	.00008	.00304	.01822	.00146	.0026	.00002	.00008	.0111
%RSD	77.615	.98892	228.70	2.4523	30.375	.09943	.12548	67.318	.26500
#1	-.00011	.00784	-.00082	.73014	.00379	2.6313	.01626	.00007	4.2020
#2	-.00003	.00795	.00348	.75591	.00586	2.6276	.01623	.00019	4.1863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00410**	**-.00077**	**.0330**	**.00026**	**-.00042**	**4.7817**	**-.00008**	**.01894**	**-.00007**
Stddev	.00023	.00179	.0044	.00090	.00025	.0021	.00003	.00017	.00035
%RSD	5.6781	230.59	13.24	344.61	59.316	.04334	41.398	.89663	482.29
#1	.00393	-.00204	.0299	.00089	-.00024	4.7802	-.00010	.01882	.00017
#2	.00426	.00049	.0360	-.00037	-.00059	4.7832	-.00006	.01906	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00233**	**-.00012**	**.00805**
Stddev	.00061	.00016	.00015
%RSD	26.194	140.04	1.9136
#1	-.00276	-.00000	.00816
#2	-.00190	-.00023	.00794
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2246.6**	**5805.0**	**83204.**	**10262.**
Stddev	3.9	16.8	329.	1.
%RSD	.17576	.28941	.39485	.00789
#1	2249.4	5816.9	83436.	10263.
#2	2243.8	5793.2	82971.	10262.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.886%	98.754%	100.82%	104.41%
Range				

Sample Name: 480-59356-e-5-a Acquired: 5/8/2014 23:51:02 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01926**	**-.00098**	**.00446**	**.03468**	**.00020**	**3.3030**	**.00002**	**.00162**
Stddev	.00010	.00160	.00218	.00002	.00015	.00001	.0012	.00001	.00003
%RSD	161.49	8.3045	222.45	.35909	.42342	5.8311	.03557	60.876	1.9486
#1	-.00001	.02039	.00056	.00447	.03479	.00019	3.3038	.00001	.00160
#2	.00013	.01813	-.00252	.00445	.03458	.00021	3.3022	.00003	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00078**	**-.00150**	**.86619**	**.00353**	**3.0565**	**.01099**	**-.00011**	**4.1172**
Stddev	.00005	.00009	.00279	.01981	.00038	.0052	.00018	.00020	.0034
%RSD	13.526	11.012	186.14	2.2870	10.775	.16839	1.6367	178.40	.08283
#1	.00034	.00072	-.00347	.88020	.00380	3.0602	.01086	.00003	4.1196
#2	.00041	.00084	.00047	.85218	.00326	3.0529	.01111	-.00025	4.1148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00945**	**.00137**	**.3658**	**.00011**	**.00095**	**5.1946**	**-.00029**	**.01910**	**.00033**
Stddev	.00013	.00007	.0005	.00055	.00261	.0293	.00005	.00001	.00003
%RSD	1.3773	5.4557	.1328	494.43	275.64	.56352	18.278	.03080	10.597
#1	.00955	.00132	.3655	-.00028	-.00090	5.2152	-.00033	.01910	.00035
#2	.00936	.00143	.3662	.00050	.00279	5.1739	-.00025	.01909	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00091**	**-.00006**	**.01238**
Stddev	.00116	.00013	.00031
%RSD	127.69	240.76	2.4847
#1	-.00173	.00004	.01259
#2	-.00009	-.00015	.01216
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2253.5**	**5841.3**	**83076.**	**10216.**
Stddev	2.2	10.4	120.	9.
%RSD	.09730	.17871	.14428	.08843
#1	2255.0	5848.7	82991.	10222.
#2	2251.9	5834.0	83160.	10210.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.188%	99.372%	100.67%	103.94%
Range				

Sample Name: 480-59356-e-6-a Acquired: 5/8/2014 23:53:51 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00627**	**-.00110**	**.00417**	**.01477**	**-.00010**	**3.7260**	**.00006**	**.00030**
Stddev	.00010	.00864	.00047	.00002	.00002	.00004	.0003	.00003	.00004
%RSD	24.359	137.85	43.224	.54563	.14669	37.074	.00920	49.553	14.460
#1	.00046	-.01238	-.00143	.00419	.01475	-.00007	3.7257	.00008	.00033
#2	.00033	-.00016	-.00076	.00416	.01478	-.00013	3.7262	.00004	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00477**	**-.00092**	**.72594**	**.00595**	**4.1711**	**.00062**	**-.00002**	**5.4212**
Stddev	.00006	.00006	.00271	.03913	.00154	.0139	.00006	.00006	.0174
%RSD	27.430	1.2333	294.52	5.3902	25.952	.33275	9.3959	340.57	.32016
#1	.00017	.00473	-.00283	.69827	.00486	4.1613	.00066	-.00006	5.4089
#2	.00026	.00481	.00100	.75361	.00704	4.1809	.00057	.00002	5.4335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00479**	**-.00032**	**.1908**	**-.00127**	**-.00106**	**8.4930**	**.00013**	**.02187**	**.00007**
Stddev	.00006	.00068	.0011	.00040	.00062	.0239	.00000	.00021	.00001
%RSD	1.2742	211.81	.5737	31.499	58.670	.28194	1.8050	.93781	21.181
#1	.00483	-.00080	.1916	-.00155	-.00150	8.5099	.00013	.02172	.00006
#2	.00475	.00016	.1900	-.00098	-.00062	8.4761	.00013	.02201	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00159**	**.00019**	**.00828**
Stddev	.00081	.00008	.00006
%RSD	51.061	42.387	.76212
#1	-.00102	.00013	.00833
#2	-.00216	.00024	.00824
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2238.4**	**5788.6**	**83610.**	**10426.**
Stddev	2.0	4.4	114.	6.
%RSD	.09110	.07519	.13670	.06116
#1	2236.9	5785.5	83691.	10421.
#2	2239.8	5791.7	83529.	10430.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.523%	98.475%	101.31%	106.07%
Range				

Sample Name: 480-59356-e-7-a Acquired: 5/8/2014 23:56:39 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.02185**	**.00030**	**.00536**	**.01888**	**.00004**	**.85962**	**-.00006**	**.00204**
Stddev	.00019	.01606	.00090	.00006	.00009	.00009	.00066	.00005	.00005
%RSD	32.927	73.529	299.67	1.0688	.45142	240.68	.07677	88.471	2.5648
#1	.00043	.01049	.00093	.00540	.01894	.00011	.85915	-.00002	.00208
#2	.00070	.03321	-.00033	.00532	.01882	-.00003	.86009	-.00010	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00423**	**-.00119**	**.52348**	**.00106**	**1.0311**	**.02146**	**-.00014**	**2.4875**
Stddev	.00033	.00012	.00551	.02337	.00032	.0121	.00020	.00025	.0073
%RSD	60.067	2.8280	463.13	4.4645	30.339	1.1768	.93614	182.55	.29391
#1	.00032	.00431	.00271	.50695	.00083	1.0396	.02160	-.00031	2.4927
#2	.00079	.00414	-.00509	.54000	.00129	1.0225	.02131	.00004	2.4823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00431**	**.00042**	**.1566**	**.00069**	**.00164**	**4.8846**	**-.00013**	**.00723**	**-.00024**
Stddev	.00019	.00014	.0053	.00092	.00006	.0007	.00014	.00011	.00005
%RSD	4.3919	32.453	3.375	133.45	3.5981	.01354	105.09	1.4561	21.644
#1	.00444	.00032	.1604	.00134	.00159	4.8842	-.00023	.00716	-.00020
#2	.00417	.00052	.1529	.00004	.00168	4.8851	-.00003	.00731	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00070**	**.00002**	**.01094**
Stddev	.00080	.00001	.00019
%RSD	115.08	60.705	1.7130
#1	.00013	.00002	.01107
#2	.00126	.00001	.01080
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2267.6**	**5893.2**	**83536.**	**10513.**
Stddev	2.6	26.2	674.	7.
%RSD	.11554	.44528	.80623	.06502
#1	2265.8	5874.7	83060.	10508.
#2	2269.5	5911.8	84013.	10518.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.810%	100.25%	101.22%	106.96%
Range				

Sample Name: 480-59356-e-8-a Acquired: 5/8/2014 23:59:29 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01356**	**-.00014**	**.00447**	**.02735**	**.00004**	**1.7102**	**.00009**	**.00188**
Stddev	.00029	.00021	.00007	.00000	.00007	.00011	.0010	.00002	.00010
%RSD	92.425	1.5385	49.744	.08669	.26809	277.32	.05981	27.022	5.4701
#1	-.00011	.01371	-.00019	.00446	.02740	-.00004	1.7109	.00011	.00196
#2	-.00051	.01341	-.00009	.00447	.02730	.00012	1.7095	.00007	.00181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00132**	**-.00211**	**.78934**	**.00297**	**2.1904**	**.00467**	**-.00009**	**3.5761**
Stddev	.00040	.00024	.00533	.00002	.00019	.0189	.00006	.00013	.0205
%RSD	243.70	17.933	252.10	.00293	6.3954	.86171	1.2138	140.81	.57277
#1	-.00045	.00149	.00165	.78933	.00283	2.2037	.00463	-.00018	3.5616
#2	.00012	.00116	-.00588	.78936	.00310	2.1770	.00471	-.00000	3.5906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00611**	**.00057**	**.1343**	**-.00064**	**-.00154**	**5.1570**	**-.00012**	**.01185**	**-.00002**
Stddev	.00050	.00049	.0018	.00139	.00079	.0413	.00005	.00010	.00006
%RSD	8.2131	86.541	1.345	217.22	51.450	.80101	40.558	.85026	308.95
#1	.00576	.00091	.1330	.00034	-.00210	5.1278	-.00009	.01178	.00002
#2	.00647	.00022	.1356	-.00162	-.00098	5.1862	-.00016	.01192	-.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00171**	**-.00011**	**.00692**
Stddev	.00013	.00021	.00028
%RSD	7.3941	196.24	4.0309
#1	-.00162	-.00026	.00712
#2	-.00180	.00004	.00673
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2256.0**	**5842.3**	**83395.**	**10236.**
Stddev	3.8	29.0	238.	49.
%RSD	.16645	.49617	.28594	.47907
#1	2258.7	5862.8	83227.	10271.
#2	2253.4	5821.8	83564.	10201.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.301%	99.387%	101.05%	104.14%
Range				

Sample Name: mb 480-180913/1-a Acquired: 5/9/2014 0:02:18 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.01038**	**-.00158**	**.00049**	**.00050**	**-.00009**	**.01234**	**.00002**	**.00009**
Stddev	.00028	.01021	.00096	.00011	.00000	.00004	.00227	.00008	.00001
%RSD	81.186	98.396	60.956	23.037	.01613	43.551	18.401	436.09	7.9333
#1	.00054	-.01760	-.00226	.00056	.00050	-.00012	.01073	.00007	.00009
#2	.00015	-.00316	-.00090	.00041	.00050	-.00006	.01394	-.00004	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**-.00067**	**.00611**	**-.01144**	**.00037**	**.00351**	**-.00028**	**-.00010**	**-.00256**
Stddev	.00004	.00001	.00034	.06882	.00087	.00421	.00003	.00009	.00350
%RSD	7.4043	1.1334	5.4957	601.61	232.03	119.96	9.2905	90.924	136.40
#1	.00055	-.00068	.00635	-.06010	-.00024	.00053	-.00030	-.00016	-.00504
#2	.00061	-.00067	.00588	.03722	.00099	.00649	-.00026	-.00003	-.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	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00066**	**.0055**	**.00084**	**-.00221**	**.17776**	F **.02333**	**.00008**	**.00013**
Stddev	.00004	.00058	.0025	.00034	.00097	.02822	.00013	.00012	.00001
%RSD	16.969	87.260	46.01	40.049	43.784	15.876	.54181	145.69	8.6232
#1	.00023	-.00107	.0073	.00060	-.00290	.19772	.02342	-.00000	.00012
#2	.00018	-.00025	.0037	.00108	-.00153	.15781	.02324	.00017	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							.01000		
Low Limit							-.01000		

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00266**	**.00006**	**.00072**
Stddev	.00089	.00008	.00000
%RSD	33.408	136.52	.17561
#1	-.00328	.00000	.00073
#2	-.00203	.00012	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2269.9**	**5845.9**	**83967.**	**10392.**
Stddev	1.7	24.9	399.	84.
%RSD	.07706	.42582	.47549	.81255
#1	2268.6	5828.3	83685.	10451.
#2	2271.1	5863.5	84250.	10332.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.910%	99.450%	101.75%	105.73%
Range				

Sample Name: lcssrm 480-180913/2- Acquired: 5/9/2014 0:05:08 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.66439**	**74.092**	**.92179**	**1.0375**	**2.0494**	**.58263**	**75.508**	**1.3936**	**2.0670**
Stddev	.00066	.582	.00067	.0018	.0023	.00119	.629	.0015	.0018
%RSD	.09917	.78517	.07271	.17153	.11115	.20397	.83279	.10574	.08844
#1	.66392	74.503	.92131	1.0388	2.0510	.58347	75.953	1.3947	2.0683
#2	.66486	73.680	.92226	1.0362	2.0478	.58179	75.064	1.3926	2.0657
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.83701**	**2.6571**	**113.65**	**23.184**	**.07096**	**26.413**	**4.2443**	**1.0361**	**9.9370**
Stddev	.00097	.0157	1.14	.147	.00147	.009	.0027	.0049	.0397
%RSD	.11537	.59158	1.0048	.63493	2.0650	.03485	.06280	.47502	.39926
#1	.83769	2.6460	114.46	23.288	.07200	26.406	4.2424	1.0396	9.9651
#2	.83633	2.6682	112.84	23.080	.06993	26.419	4.2462	1.0326	9.9089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4363**	**1.0191**	**2.311**	**1.0250**	**1.3472**	**30.564**	**1.4420**	**1.6458**	**2.5543**
Stddev	.0029	.0014	.002	.0027	.0007	.216	.0021	.0029	.0022
%RSD	.11682	.14092	.0751	.26140	.05523	.70646	.14663	.17855	.08745
#1	2.4383	1.0181	2.313	1.0269	1.3466	30.717	1.4435	1.6437	2.5528
#2	2.4343	1.0201	2.310	1.0231	1.3477	30.412	1.4406	1.6479	2.5559
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**1.5213**	**1.4898**	**1.2289**
Stddev	.0000	.0052	.0016
%RSD	.00268	.35121	.12887
#1	1.5213	1.4861	1.2277
#2	1.5213	1.4935	1.2300
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2050.1**	**5899.4**	**83043.**	**10422.**
Stddev	1.5	9.1	3.	116.
%RSD	.07146	.15408	.00342	1.1120
#1	2049.0	5893.0	83045.	10340.
#2	2051.1	5905.8	83041.	10504.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.236%	100.36%	100.63%	106.03%
Range				

Sample Name: lcdsrm 480-180913/3- Acquired: 5/9/2014 0:07:46 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.66050**	**73.209**	**.92515**	**1.0536**	**2.0205**	**.58471**	**71.752**	**1.3960**	**2.0746**
Stddev	.00566	.267	.00392	.0038	.0067	.00321	.166	.0003	.0038
%RSD	.85621	.36535	.42417	.35992	.32956	.54875	.23119	.02432	.18278
#1	.65650	73.020	.92238	1.0509	2.0158	.58244	71.635	1.3957	2.0719
#2	.66450	73.398	.92793	1.0563	2.0252	.58698	71.869	1.3962	2.0773
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.83130**	**2.7067**	**106.73**	**22.897**	**.07190**	**25.714**	**4.1641**	**1.0580**	**10.094**
Stddev	.00585	.0160	.60	.152	.00013	.127	.0242	.0015	.046
%RSD	.70318	.59033	.56281	.66383	.17985	.49199	.57983	.14465	.45250
#1	.82717	2.6954	106.30	22.790	.07199	25.625	4.1471	1.0569	10.062
#2	.83544	2.7180	107.15	23.005	.07181	25.804	4.1812	1.0591	10.127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4512**	**.99968**	**2.362**	**1.0352**	**1.3282**	**33.394**	**1.4414**	**1.6467**	**2.5725**
Stddev	.0043	.00020	.006	.0004	.0047	.148	.0048	.0046	.0088
%RSD	.17763	.02029	.2697	.04007	.35648	.44252	.33140	.27696	.34243
#1	2.4481	.99953	2.367	1.0355	1.3315	33.290	1.4380	1.6435	2.5663
#2	2.4543	.99982	2.358	1.0349	1.3248	33.499	1.4448	1.6500	2.5787
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**1.5036**	**1.4864**	**1.1874**
Stddev	.0029	.0087	.0028
%RSD	.19526	.58796	.23710
#1	1.5015	1.4802	1.1854
#2	1.5057	1.4926	1.1894
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2050.1**	**5862.8**	**83110.**	**10664.**
Stddev	1.9	.2	319.	27.
%RSD	.09306	.00327	.38364	.25021
#1	2051.4	5862.9	83336.	10683.
#2	2048.7	5862.6	82885.	10645.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.236%	99.736%	100.71%	108.50%
Range				

Sample Name: 480-59350-b-1-a Acquired: 5/9/2014 0:10:25 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00013**	**60.567**	**.05948**	**.04046**	**3.9440**	**.00276**	**837.69**	**.00046**	**.03059**
Stddev	.00038	.257	.00227	.00061	.0089	.00002	.44	.00006	.00015
%RSD	284.12	.42385	3.8159	1.5030	.22673	.58604	.05216	12.260	.48128
#1	.00040	60.385	.05788	.04003	3.9377	.00277	838.00	.00050	.03069
#2	-.00013	60.748	.06109	.04089	3.9504	.00275	837.39	.00042	.03048
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11526**	**.07474**	**120.89**	**8.0410**	**.08606**	**63.708**	**1.7044**	**.00535**	**4.4048**
Stddev	.00029	.00013	.62	.0119	.00028	.074	.0023	.00021	.0342
%RSD	.24865	.17550	.51190	.14826	.32213	.11686	.13473	3.9385	.77602
#1	.11546	.07483	121.33	8.0326	.08586	63.761	1.7061	.00520	4.3806
#2	.11506	.07465	120.45	8.0494	.08625	63.655	1.7028	.00550	4.4290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04917**	**.07725**	F **19.50**	**-.00070**	**.00451**	**43.560**	**.02776**	**5.4492**	**.94398**
Stddev	.00069	.00012	.04	.00109	.00246	.321	.00056	.0338	.00619
%RSD	1.4004	.15150	.2089	154.50	54.473	.73799	2.0118	.61998	.65524
#1	.04868	.07733	19.47	.00007	.00624	43.788	.02815	5.4253	.93961
#2	.04965	.07716	19.53	-.00147	.00277	43.333	.02736	5.4731	.94836
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00157**	**.08383**	**.25061**
Stddev	.00098	.00003	.00085
%RSD	62.507	.03560	.33868
#1	-.00227	.08385	.25121
#2	-.00088	.08381	.25001
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1794.1**	**5379.4**	**77104.**	**10162.**
Stddev	1.1	1.2	212.	14.
%RSD	.05977	.02234	.27442	.14045
#1	1794.9	5380.2	76954.	10152.
#2	1793.3	5378.5	77253.	10172.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	78.968%	91.513%	93.430%	103.39%
Range				

Sample Name: CCV Acquired: 5/9/2014 0:13:26 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49691**	**25.027**	**.49964**	**.47764**	**.49464**	**.50435**	**25.419**	**.48966**	**.49467**	**.50706**	**.49460**	**25.364**	**24.224**	**.47822**
Stddev	.00032	.138	.00219	.00131	.00073	.00021	.085	.00035	.00026	.00032	.00019	.043	.051	.00061
%RSD	.06468	.55012	.43778	.27485	.14687	.04151	.33280	.07190	.05281	.06297	.03763	.16803	.20944	.12798
#1	.49714	25.124	.50119	.47671	.49412	.50450	25.479	.48941	.49449	.50684	.49473	25.394	24.260	.47779
#2	.49669	24.929	.49809	.47857	.49515	.50421	25.359	.48991	.49485	.50729	.49447	25.334	24.188	.47865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.505**	**.51579**	**.48524**	**23.696**	**.50235**	**.50013**	**24.88**	**.49850**	**.49368**	**24.472**	**.48044**	**.49194**	**.48280**	**.50942**
Stddev	.001	.00011	.00059	.069	.00037	.00028	.04	.00177	.00129	.039	.00027	.00096	.00066	.00036
%RSD	.00454	.02107	.12161	.28971	.07286	.05597	.1594	.35566	.26105	.15983	.05710	.19549	.13763	.07056
#1	25.506	.51587	.48482	23.744	.50209	.50032	24.85	.49725	.49277	24.500	.48025	.49126	.48327	.50917
#2	25.505	.51571	.48565	23.647	.50261	.49993	24.90	.49976	.49459	24.444	.48064	.49262	.48233	.50968
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.48953**	**.51265**
Stddev	.00058	.00064
%RSD	.11927	.12423
#1	.48994	.51220
#2	.48911	.51310
Check ?	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	**2138.6**	**5899.7**	**80667.**	**9930.4**
Stddev	4.1	12.1	62.	61.6
%RSD	.19185	.20451	.07644	.61986
#1	2141.5	5908.2	80623.	9886.9
#2	2135.7	5891.1	80710.	9974.0

Sample Name: CCB Acquired: 5/9/2014 0:16:03 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00051**	**.00111**	**-.00101**	**.00126**	**.00002**	**-.00008**	**-.00155**	**.00000**	**.00004**	**.00027**	**-.00087**	**-.00050**
Stddev	.00023	.00841	.00212	.00001	.00001	.00006	.00092	.00004	.00009	.00037	.00009	.00481
%RSD	43.891	755.99	209.31	.93480	47.755	69.024	59.447	872.23	211.06	137.43	10.712	955.57
#1	.00067	-.00483	-.00252	.00125	.00002	-.00012	-.00090	.00003	-.00002	.00001	-.00093	.00290
#2	.00035	.00706	.00049	.00127	.00003	-.00004	-.00220	-.00002	.00011	.00053	-.00080	-.00390
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01575**	**.00051**	**.00291**	**.00004**	**.00023**	**-.01888**	**.00001**	**-.00022**	**-.0010**	**.00084**	**.00328**	**.04815**
Stddev	.01080	.00027	.00134	.00001	.00023	.00962	.00022	.00091	.0008	.00040	.00435	.00283
%RSD	68.620	51.806	46.159	25.010	100.04	50.952	3251.6	408.11	75.87	47.802	132.55	5.8797
#1	.00811	.00070	.00196	.00003	.00007	-.01208	-.00015	-.00087	-.0015	.00056	.00635	.04615
#2	.02339	.00032	.00386	.00005	.00039	-.02568	.00017	.00042	-.0005	.00113	.00021	.05015
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00001**	**.00005**	**-.00174**	**-.00038**	**.00038**
Stddev	.00016	.00021	.00014	.00301	.00007	.00003
%RSD	217.73	1724.4	272.34	173.05	17.124	7.8223
#1	.00004	-.00013	-.00005	.00039	-.00043	.00036
#2	-.00018	.00016	.00016	-.00387	-.00034	.00041
Check ?	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	**2294.7**	**6007.0**	**84123.**	**10077.**
Stddev	2.9	13.9	393.	61.
%RSD	.12811	.23133	.46739	.60918
#1	2292.7	6016.8	83845.	10034.
#2	2296.8	5997.1	84401.	10121.

Sample Name: CCVL Acquired: 5/9/2014 0:18:54 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00534**	**.21608**	**.01402**	**.01940**	**.00230**	**.00197**	**.49307**	**.00184**	**.00393**	**.00405**	**.00848**	**.05004**
Stddev	.00020	.01261	.00235	.00009	.00002	.00005	.00272	.00003	.00010	.00024	.00032	.00313
%RSD	3.7398	5.8360	16.753	.44073	.84053	2.7766	.55145	1.8559	2.4275	5.8262	3.7811	6.2598
#1	.00520	.20717	.01236	.01946	.00232	.00193	.49499	.00182	.00386	.00422	.00871	.05226
#2	.00548	.22500	.01568	.01934	.00229	.00201	.49115	.00186	.00400	.00388	.00825	.04783
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44853**	**.02690**	**.19886**	**.00282**	**.00978**	**.87689**	**.00965**	**.00912**	**.1961**	**.02065**	**.02107**	**.49195**
Stddev	.07563	.00056	.00190	.00007	.00002	.00298	.00016	.00068	.0001	.00033	.00161	.01141
%RSD	16.862	2.0932	.95788	2.5202	.20247	.34010	1.6394	7.4981	.0428	1.6123	7.6532	2.3201
#1	.50201	.02730	.20021	.00287	.00980	.87899	.00954	.00864	.1962	.02042	.02221	.50003
#2	.39505	.02650	.19751	.00277	.00977	.87478	.00976	.00960	.1961	.02089	.01993	.48388
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00872**	**.00483**	**.00475**	**.01965**	**.00456**	**.00917**
Stddev	.00018	.00000	.00018	.00024	.00008	.00068
%RSD	2.0435	.05521	3.7945	1.2320	1.7147	7.4577
#1	.00884	.00483	.00488	.01947	.00461	.00868
#2	.00859	.00483	.00463	.01982	.00450	.00965
Check ?	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	**2294.9**	**5980.7**	**84547.**	**10216.**
Stddev	5.8	13.2	119.	141.
%RSD	.25173	.22044	.14102	1.3849
#1	2299.0	5990.0	84463.	10316.
#2	2290.9	5971.3	84631.	10116.

Sample Name: 480-59350-b-2-a Acquired: 5/9/2014 0:21:44 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**56.959**	**.12706**	**.00738**	**.33680**	**.00306**	**.27053**	**-.00014**	**.05611**
Stddev	.00002	.340	.00063	.00021	.00074	.00008	.00631	.00003	.00002
%RSD	3.5017	.59775	.49368	2.7883	.22042	2.6820	2.3324	23.815	.02781
#1	-.00069	56.718	.12750	.00723	.33732	.00301	.26606	-.00016	.05612
#2	-.00066	57.200	.12661	.00752	.33627	.00312	.27499	-.00012	.05610
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08180**	**.06275**	**207.26**	**8.2350**	**.02833**	**.76013**	**1.4472**	**.00249**	**.22852**
Stddev	.00070	.00040	2.31	.0220	.00045	.00361	.0047	.00014	.00313
%RSD	.85754	.63112	1.1134	.26748	1.5849	.47540	.32548	5.7388	1.3690
#1	.08230	.06303	205.63	8.2194	.02865	.76268	1.4505	.00239	.23074
#2	.08130	.06247	208.90	8.2506	.02802	.75757	1.4438	.00259	.22631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01280**	**.16477**	**.2012**	**-.00252**	**.00210**	**15.178**	**.02655**	**.04494**	**.50411**
Stddev	.00021	.00086	.0037	.00009	.00120	.093	.00009	.00016	.00675
%RSD	1.6578	.52269	1.839	3.7010	57.087	.61382	.34345	.36165	1.3396
#1	.01265	.16538	.2038	-.00245	.00125	15.113	.02648	.04483	.49933
#2	.01295	.16416	.1986	-.00258	.00295	15.244	.02661	.04506	.50888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00550**	**.10211**	**.09549**
Stddev	.00081	.00085	.00066
%RSD	14.721	.83415	.68973
#1	-.00607	.10271	.09596
#2	-.00493	.10150	.09503
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2172.5**	**5921.6**	**83516.**	**10379.**
Stddev	5.0	22.8	527.	89.
%RSD	.23008	.38583	.63109	.85277
#1	2169.0	5905.4	83143.	10442.
#2	2176.0	5937.8	83889.	10317.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.624%	100.74%	101.20%	105.60%
Range				

Sample Name: 480-59350-b-3-a Acquired: 5/9/2014 0:24:29 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00241**	**55.039**	**.17143**	**.00442**	**.20707**	**.00326**	**.38151**	**-.00010**	**.04906**
Stddev	.00070	.036	.00388	.00021	.00046	.00000	.00561	.00008	.00011
%RSD	29.130	.06557	2.2661	4.6536	.21991	.09450	1.4693	83.655	.21783
#1	.00291	55.064	.17417	.00427	.20675	.00325	.37755	-.00004	.04898
#2	.00192	55.013	.16868	.00456	.20739	.00326	.38548	-.00016	.04913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06261**	**.05686**	**310.61**	**6.6110**	**.02359**	**.75813**	**1.9660**	**.00149**	**.58230**
Stddev	.00029	.00009	1.16	.0429	.00121	.00364	.0106	.00012	.00072
%RSD	.46300	.16553	.37348	.64858	5.1251	.48059	.53878	7.9507	.12349
#1	.06241	.05679	311.43	6.5807	.02444	.75556	1.9585	.00140	.58281
#2	.06282	.05692	309.79	6.6414	.02273	.76071	1.9734	.00157	.58179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01608**	**.11792**	**.2550**	**-.00358**	**-.00152**	**15.496**	**.02598**	**.05384**	**.52396**
Stddev	.00003	.00107	.0043	.00094	.00271	.011	.00055	.00030	.00600
%RSD	.15949	.91009	1.688	26.182	177.93	.07040	2.1043	.55635	1.1445
#1	.01609	.11716	.2520	-.00424	.00039	15.488	.02559	.05363	.51972
#2	.01606	.11868	.2581	-.00291	-.00344	15.504	.02636	.05405	.52820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00478**	**.09854**	**.16193**
Stddev	.00028	.00105	.00093
%RSD	5.8448	1.0646	.57638
#1	-.00497	.09780	.16127
#2	-.00458	.09929	.16259
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2168.5**	**5909.3**	**83802.**	**10454.**
Stddev	.1	15.6	260.	27.
%RSD	.00345	.26438	.30972	.26128
#1	2168.5	5898.3	83986.	10435.
#2	2168.4	5920.4	83619.	10473.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.447%	100.53%	101.55%	106.36%
Range				

Sample Name: 480-59357-f-1-a Acquired: 5/9/2014 0:27:13 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00058**	**51.669**	**.06238**	**.03509**	**.47985**	**.00238**	**351.85**	**.00162**	**.05146**
Stddev	.00077	.030	.00022	.00008	.00060	.00005	4.08	.00003	.00001
%RSD	132.30	.05902	.35229	.23140	.12431	2.0531	1.1587	2.0194	.01164
#1	.00112	51.648	.06253	.03504	.47943	.00242	348.97	.00160	.05145
#2	.00004	51.691	.06222	.03515	.48027	.00235	354.73	.00164	.05146
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07104**	**.15953**	**131.86**	**7.9591**	**.11859**	**138.62**	**5.7694**	**.00690**	**1.0763**
Stddev	.00010	.00008	.53	.0128	.00022	.08	.0054	.00001	.0095
%RSD	.13564	.04711	.40130	.16137	.18376	.05724	.09370	.14687	.88198
#1	.07111	.15947	131.49	7.9500	.11875	138.68	5.7655	.00691	1.0830
#2	.07098	.15958	132.24	7.9682	.11844	138.57	5.7732	.00690	1.0696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13592**	**.06827**	F **15.30**	**-.00163**	**.00179**	**20.045**	**.02821**	**.38625**	**.70588**
Stddev	.00009	.00061	.04	.00095	.00009	.137	.00064	.00154	.00062
%RSD	.06530	.89742	.2708	57.981	5.0112	.68570	2.2781	.39850	.08835
#1	.13586	.06783	15.33	-.00230	.00185	19.948	.02775	.38516	.70632
#2	.13599	.06870	15.27	-.00096	.00172	20.142	.02866	.38733	.70544
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00486**	**.09369**	**.39526**
Stddev	.00130	.00003	.00013
%RSD	26.685	.03189	.03267
#1	-.00394	.09367	.39535
#2	-.00577	.09371	.39517
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1884.7**	**5629.3**	**81021.**	**10454.**
Stddev	2.3	20.7	35.	63.
%RSD	.12015	.36764	.04295	.60707
#1	1883.1	5614.7	80997.	10499.
#2	1886.3	5643.9	81046.	10409.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	82.958%	95.765%	98.177%	106.36%
Range				

Sample Name: 480-59357-f-2-a Acquired: 5/9/2014 0:30:06 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**56.012**	**.06093**	**.02714**	**.41021**	**.00310**	**118.50**	**.00108**	**.05726**
Stddev	.00075	.058	.00309	.00038	.00105	.00000	.46	.00005	.00032
%RSD	267.96	.10330	5.0786	1.3941	.25643	.13576	.38780	4.4959	.55498
#1	.00081	56.053	.06312	.02741	.40946	.00309	118.82	.00105	.05704
#2	-.00025	55.971	.05874	.02687	.41095	.00310	118.17	.00112	.05749
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07474**	**.11409**	**125.37**	**6.4780**	**.09766**	**50.203**	**3.6616**	**.00874**	**.68648**
Stddev	.00001	.00022	.74	.0116	.00048	.021	.0060	.00030	.00085
%RSD	.01071	.18997	.58629	.17914	.49376	.04086	.16480	3.4048	.12381
#1	.07475	.11424	125.89	6.4862	.09800	50.189	3.6573	.00853	.68708
#2	.07474	.11393	124.85	6.4698	.09732	50.218	3.6659	.00895	.68588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10872**	**.06854**	F **14.70**	**-.00086**	**-.00201**	**24.063**	**.02560**	**.10091**	**.83396**
Stddev	.00104	.00100	.01	.00198	.00380	.091	.00029	.00036	.00014
%RSD	.95848	1.4623	.0660	229.32	189.08	.37900	1.1163	.36095	.01652
#1	.10798	.06783	14.70	-.00227	-.00470	24.127	.02580	.10065	.83406
#2	.10945	.06925	14.69	.00054	.00068	23.998	.02539	.10117	.83386
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00433**	**.09433**	**.43435**
Stddev	.00286	.00106	.00158
%RSD	66.032	1.1257	.36315
#1	-.00231	.09358	.43546
#2	-.00635	.09509	.43323
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2040.1**	**5962.9**	**84360.**	**10784.**
Stddev	.5	30.0	66.	55.
%RSD	.02585	.50264	.07814	.50741
#1	2039.8	5941.7	84314.	10745.
#2	2040.5	5984.1	84407.	10823.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.798%	101.44%	102.22%	109.72%
Range				

Sample Name: 480-59357-g-3-a Acquired: 5/9/2014 0:32:47 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**46.694**	**.02945**	**.03334**	**.32150**	**.00216**	**351.47**	**.00125**	**.04508**
Stddev	.00025	.243	.00061	.00068	.00149	.00002	3.66	.00001	.00008
%RSD	176.98	.52024	2.0734	2.0444	.46474	1.0926	1.0415	1.1575	.18381
#1	-.00032	46.522	.02988	.03285	.32256	.00218	348.88	.00126	.04514
#2	.00004	46.866	.02902	.03382	.32044	.00215	354.06	.00124	.04502
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06596**	**.13899**	**105.46**	**7.2859**	**.09191**	**118.98**	**3.3031**	**.00148**	**1.0313**
Stddev	.00166	.00027	.73	.0142	.00089	1.69	.0435	.00004	.0004
%RSD	2.5192	.19109	.69061	.19441	.96891	1.4220	1.3164	2.8462	.03748
#1	.06714	.13880	104.94	7.2759	.09128	120.18	3.3338	.00145	1.0311
#2	.06479	.13917	105.97	7.2959	.09254	117.78	3.2723	.00151	1.0316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11454**	**.06465**	**.6161**	**-.00240**	**.00210**	**23.623**	**.02516**	**.41989**	**.91396**
Stddev	.00043	.00151	.0025	.00116	.00214	.236	.00035	.00414	.02089
%RSD	.37543	2.3387	.4114	48.188	101.57	.99938	1.3988	.98673	2.2860
#1	.11485	.06572	.6143	-.00321	.00059	23.456	.02491	.41696	.92873
#2	.11424	.06358	.6179	-.00158	.00361	23.790	.02541	.42282	.89918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00078**	**.09635**	**.33187**
Stddev	.00047	.00085	.00831
%RSD	60.883	.88262	2.5047
#1	-.00111	.09695	.33774
#2	-.00044	.09575	.32599
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1910.4**	**5707.7**	**80685.**	**10300.**
Stddev	1.4	18.7	833.	69.
%RSD	.07204	.32833	1.0320	.66829
#1	1911.4	5721.0	80096.	10349.
#2	1909.4	5694.5	81273.	10251.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.088%	97.099%	97.769%	104.79%
Range				

Sample Name: 480-59357-d-4-a Acquired: 5/9/2014 0:35:35 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00080**	**74.336**	**.02793**	**.04852**	**.47103**	**.00376**	**293.54**	**.00121**	**.06713**
Stddev	.00002	.508	.00278	.00053	.00233	.00001	1.47	.00026	.00011
%RSD	2.7485	.68308	9.9703	1.0898	.49479	.14956	.50120	21.692	.16853
#1	.00082	74.695	.02596	.04815	.47268	.00376	294.58	.00139	.06705
#2	.00079	73.977	.02990	.04890	.46938	.00376	292.50	.00102	.06721
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10288**	**.17118**	**142.12**	**12.817**	**.15829**	**122.99**	**3.2140**	**.00259**	**1.2671**
Stddev	.00025	.00090	1.34	.028	.00168	.49	.0086	.00024	.0165
%RSD	.24563	.52753	.94602	.22219	1.0613	.39683	.26645	9.3830	1.3040
#1	.10306	.17182	143.07	12.837	.15948	123.34	3.2200	.00276	1.2788
#2	.10270	.17054	141.17	12.797	.15711	122.65	3.2079	.00242	1.2555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17404**	**.07770**	F **9.472**	**-.00331**	**-.00044**	**21.578**	**.02417**	**.35148**	**1.3320**
Stddev	.00011	.00022	.024	.00185	.00103	.106	.00012	.00061	.0065
%RSD	.06553	.28306	.2501	55.811	234.56	.48945	.49471	.17324	.49005
#1	.17396	.07785	9.456	-.00201	-.00116	21.653	.02425	.35191	1.3367
#2	.17412	.07754	9.489	-.00462	.00029	21.504	.02408	.35105	1.3274
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00050**	**.12582**	**.40705**
Stddev	.00210	.00096	.00540
%RSD	420.10	.76457	1.3257
#1	-.00198	.12651	.41086
#2	.00098	.12514	.40323
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1911.1**	**5657.1**	**81345.**	**10443.**
Stddev	.3	2.2	375.	73.
%RSD	.01338	.03838	.46048	.69634
#1	1911.3	5658.6	81080.	10392.
#2	1910.9	5655.6	81609.	10495.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.119%	96.238%	98.569%	106.25%
Range				

Sample Name: 480-59357-f-5-a Acquired: 5/9/2014 0:38:23 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00032**	**58.648**	**.04786**	**.02239**	**.52193**	**.00274**	**183.21**	**.00131**	**.04827**
Stddev	.00004	.031	.00018	.00035	.00151	.00008	.81	.00010	.00022
%RSD	11.398	.05271	.38242	1.5800	.28893	2.8795	.44050	7.7115	.44788
#1	.00035	58.626	.04773	.02264	.52086	.00280	182.64	.00124	.04843
#2	.00030	58.669	.04799	.02214	.52300	.00268	183.78	.00138	.04812
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07386**	**.14598**	**131.24**	**7.3081**	**.12655**	**90.199**	**6.1645**	**.00451**	**.51056**
Stddev	.00075	.00045	.85	.0003	.00058	.387	.0088	.00014	.00537
%RSD	1.0173	.31038	.65125	.00436	.45808	.42930	.14263	3.0679	1.0512
#1	.07332	.14566	130.64	7.3079	.12614	89.925	6.1583	.00461	.51436
#2	.07439	.14630	131.85	7.3083	.12696	90.473	6.1708	.00442	.50677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13102**	**.07365**	**1.587**	**-.00247**	**.00576**	**24.257**	**.02420**	**.15412**	**.58978**
Stddev	.00008	.00125	.003	.00034	.00025	.085	.00016	.00029	.00103
%RSD	.05933	1.6973	.2000	13.628	4.4039	.34930	.64110	.19004	.17443
#1	.13107	.07277	1.589	-.00271	.00558	24.197	.02409	.15391	.59051
#2	.13096	.07454	1.584	-.00223	.00594	24.317	.02431	.15433	.58906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00178**	**.09447**	**.46498**
Stddev	.00024	.00036	.00442
%RSD	13.741	.38574	.95134
#1	-.00161	.09421	.46185
#2	-.00196	.09473	.46811
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1988.0**	**5818.9**	**83814.**	**10815.**
Stddev	2.5	5.5	483.	77.
%RSD	.12796	.09421	.57659	.71211
#1	1989.8	5822.7	84156.	10869.
#2	1986.2	5815.0	83472.	10760.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.505%	98.990%	101.56%	110.03%
Range				

Sample Name: 480-59414-e-1-a Acquired: 5/9/2014 0:41:17 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**-.00037**	**42.963**	**.01856**	**.03520**	**.63914**	**.00222**	**403.04**	**.00097**	**.04408**
Stddev	.00102	.138	.00284	.00052	.00097	.00002	1.40	.00021	.00070
%RSD	274.57	.32134	15.311	1.4736	.15165	1.1110	.34847	21.761	1.5784
#1	-.00109	42.866	.01655	.03557	.63845	.00223	404.03	.00112	.04359
#2	.00035	43.061	.02057	.03484	.63982	.00220	402.05	.00082	.04457
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06167**	**.08575**	**81.457**	**7.9372**	**.09422**	**126.18**	**3.9381**	**.00056**	**1.0895**
Stddev	.00053	.00044	.215	.0084	.00068	.01	.0035	.00015	.0063
%RSD	.85196	.51404	.26352	.10601	.71893	.00469	.08853	27.128	.57638
#1	.06205	.08607	81.609	7.9431	.09374	126.18	3.9405	.00045	1.0851
#2	.06130	.08544	81.305	7.9313	.09470	126.19	3.9356	.00066	1.0940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09672**	**.03224**	**.7969**	**-.00178**	**.00421**	**22.390**	**.02147**	**.52686**	**.88745**
Stddev	.00050	.00142	.0086	.00051	.00004	.060	.00013	.00459	.00768
%RSD	.51519	4.4004	1.073	28.689	.99108	.26763	.58524	.87115	.86504
#1	.09636	.03324	.8030	-.00142	.00418	22.432	.02138	.52362	.88202
#2	.09707	.03123	.7909	-.00215	.00424	22.347	.02156	.53011	.89288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00427**	**.08676**	**.20992**
Stddev	.00109	.00070	.00056
%RSD	25.567	.80600	.26843
#1	-.00504	.08725	.21032
#2	-.00350	.08626	.20952
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1889.9**	**5726.8**	**82241.**	**10754.**
Stddev	3.6	47.9	267.	44.
%RSD	.18945	.83641	.32428	.40543
#1	1887.4	5693.0	82052.	10723.
#2	1892.5	5760.7	82429.	10784.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.187%	97.424%	99.654%	109.41%
Range				

Sample Name: 480-59414-e-1-aSD@5 Acquired: 5/9/2014 0:44:11 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**8.9202**	**.00432**	**.00817**	**.13207**	**.00037**	**87.516**	**.00023**	**.00888**
Stddev	.00006	.0747	.00099	.00008	.00038	.00007	.112	.00001	.00008
%RSD	40.692	.83741	22.921	.92239	.28925	19.674	.12803	5.2747	.87454
#1	.00010	8.8673	.00362	.00822	.13180	.00032	87.437	.00022	.00893
#2	.00018	8.9730	.00502	.00811	.13234	.00042	87.595	.00024	.00882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01374**	**.01675**	**17.760**	**1.6532**	**.01884**	**26.717**	**.86926**	**.00005**	**.20744**
Stddev	.00000	.00016	.006	.0072	.00034	.125	.00459	.00015	.00755
%RSD	.00509	.93042	.03123	.43249	1.7841	.46680	.52805	308.46	3.6381
#1	.01374	.01664	17.756	1.6482	.01860	26.629	.86601	-.00006	.20211
#2	.01374	.01686	17.764	1.6583	.01908	26.806	.87251	.00015	.21278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01960**	**.00662**	**.1530**	**-.00118**	**.00053**	**5.6470**	**.00402**	**.10929**	**.20576**
Stddev	.00091	.00137	.0035	.00126	.00036	.0611	.00050	.00020	.00365
%RSD	4.6310	20.720	2.260	107.37	67.386	1.0825	12.335	.18146	1.7735
#1	.02024	.00565	.1555	-.00028	.00028	5.6038	.00437	.10915	.20318
#2	.01896	.00759	.1506	-.00207	.00079	5.6903	.00367	.10943	.20834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00225**	**.01869**	**.04683**
Stddev	.00026	.00025	.00066
%RSD	11.643	1.3382	1.4093
#1	-.00244	.01851	.04730
#2	-.00207	.01887	.04636
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2125.0**	**5827.8**	**82639.**	**10279.**
Stddev	3.4	20.8	450.	9.
%RSD	.16102	.35677	.54401	.08697
#1	2127.4	5842.5	82957.	10285.
#2	2122.6	5813.1	82321.	10272.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.535%	99.142%	100.14%	104.58%
Range				

Sample Name: CCV Acquired: 5/9/2014 0:46:58 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48705**	**25.084**	**.50549**	**.48782**	**.50166**	**.50557**	**24.604**	**.49131**	**.49027**	**.48975**	**.49502**	**24.940**	**24.392**	**.49136**
Stddev	.00250	.044	.00167	.00202	.00046	.00016	.184	.00071	.00084	.00543	.00751	.018	.017	.00164
%RSD	.51256	.17542	.32991	.41325	.09092	.03121	.74969	.14422	.17112	1.1084	1.5180	.07367	.06805	.33383
#1	.48882	25.115	.50431	.48639	.50198	.50568	24.734	.49081	.48968	.49358	.50033	24.952	24.380	.49252
#2	.48529	25.053	.50667	.48924	.50134	.50546	24.473	.49181	.49086	.48591	.48971	24.927	24.404	.49020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.650**	**.50319**	**.49118**	**23.970**	**.49754**	**.49232**	**25.26**	**.50849**	**.50449**	**24.136**	**.47104**	**.49691**	**.47639**	**.50674**
Stddev	.098	.00238	.00113	.116	.00038	.00042	.04	.00092	.00166	.150	.00106	.00199	.00066	.00259
%RSD	.39574	.47251	.22974	.48232	.07692	.08609	.1633	.18147	.32950	.62067	.22476	.40070	.13923	.51165
#1	24.719	.50487	.49038	24.052	.49727	.49262	25.23	.50915	.50331	24.242	.47179	.49551	.47686	.50491
#2	24.581	.50151	.49197	23.888	.49781	.49202	25.28	.50784	.50566	24.030	.47029	.49832	.47592	.50857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.47898**	**.47790**
Stddev	.00349	.00171
%RSD	.72868	.35853
#1	.48145	.47911
#2	.47651	.47669
Check ?	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	**2130.3**	**5798.7**	**82360.**	**10263.**
Stddev	2.8	9.6	668.	45.
%RSD	.13339	.16569	.81111	.43534
#1	2132.3	5805.5	81887.	10231.
#2	2128.3	5791.9	82832.	10295.

Sample Name: CCB Acquired: 5/9/2014 0:49:39 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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**	**.00870**	**.00085**	**.00058**	**.00001**	**-.00005**	**-.00455**	**-.00001**	**.00006**	**.00008**	**-.00045**	**-.00003**
Stddev	.00084	.00176	.00085	.00020	.00000	.00003	.00500	.00005	.00015	.00032	.00003	.00234
%RSD	768.49	20.277	100.42	35.172	6.6207	56.174	109.81	424.54	277.43	383.43	6.9518	6898.1
#1	.00070	.00745	.00145	.00043	.00002	-.00003	-.00809	.00002	-.00005	.00031	-.00043	.00162
#2	-.00048	.00995	.00025	.00072	.00001	-.00007	-.00102	-.00005	.00016	-.00014	-.00047	-.00169
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02769**	**-.00024**	**.00364**	**.00008**	**.00023**	**-.01701**	**.00023**	**.00034**	**.0003**	**.00069**	**-.00016**	**.01590**
Stddev	.00639	.00097	.00069	.00001	.00017	.00559	.00032	.00096	.0007	.00009	.00113	.00374
%RSD	23.074	408.97	18.864	17.558	71.787	32.870	139.61	282.21	264.0	13.217	710.61	23.503
#1	-.02317	.00045	.00315	.00008	.00011	-.02097	.00000	.00102	.0008	.00063	-.00096	.01855
#2	-.03220	-.00092	.00412	.00007	.00035	-.01306	.00046	-.00034	-.0002	.00076	.00064	.01326
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00005**	**.00003**	**-.00087**	**-.00023**	**.00019**
Stddev	.00012	.00015	.00032	.00181	.00007	.00075
%RSD	84.537	286.62	982.13	206.84	32.043	396.72
#1	-.00023	.00015	.00026	.00040	-.00018	.00072
#2	-.00006	-.00005	-.00020	-.00215	-.00028	-.00034
Check ?	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	**2297.3**	**5932.4**	**84194.**	**10401.**
Stddev	5.8	12.7	275.	8.
%RSD	.25443	.21370	.32671	.07708
#1	2301.4	5941.4	84388.	10407.
#2	2293.2	5923.5	83999.	10395.

Sample Name: CCVL Acquired: 5/9/2014 0:52:30 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00631**	**.18255**	**.01300**	**.01861**	**.00225**	**.00190**	**.48218**	**.00184**	**.00401**	**.00371**	**.00844**	**.04639**
Stddev	.00059	.00582	.00043	.00012	.00001	.00004	.00083	.00001	.00005	.00005	.00009	.00461
%RSD	9.2813	3.1878	3.2705	.63818	.58482	2.1355	.17230	.81324	1.1297	1.4077	1.1214	9.9283
#1	.00590	.18667	.01330	.01852	.00224	.00187	.48277	.00185	.00398	.00367	.00851	.04964
#2	.00673	.17844	.01270	.01869	.00226	.00193	.48160	.00182	.00404	.00374	.00837	.04313
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40863**	**.02737**	**.19488**	**.00284**	**.00965**	**.87413**	**.00965**	**.00897**	**.2012**	**.02064**	**.02413**	**.47316**
Stddev	.00927	.00071	.00287	.00002	.00042	.00948	.00021	.00024	.0026	.00084	.00137	.00782
%RSD	2.2695	2.6061	1.4721	.74302	4.3401	1.0847	2.1990	2.7257	1.311	4.0669	5.6972	1.6517
#1	.41519	.02788	.19285	.00285	.00935	.88084	.00950	.00880	.2030	.02123	.02316	.47868
#2	.40208	.02687	.19691	.00282	.00994	.86743	.00980	.00914	.1993	.02004	.02510	.46763
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00859**	**.00485**	**.00486**	**.01834**	**.00467**	**.00930**
Stddev	.00006	.00007	.00060	.00049	.00016	.00011
%RSD	.69461	1.4445	12.357	2.6813	3.5288	1.1640
#1	.00855	.00490	.00529	.01799	.00479	.00937
#2	.00863	.00480	.00444	.01869	.00455	.00922
Check ?	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	**2298.5**	**6016.4**	**84588.**	**10277.**
Stddev	2.6	15.2	136.	39.
%RSD	.11218	.25228	.16045	.38174
#1	2300.3	6027.2	84492.	10250.
#2	2296.6	6005.7	84684.	10305.

Sample Name: 480-59414-e-1-aPDS Acquired: 5/9/2014 0:55:19 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.07606**	**60.901**	**.41579**	**.40888**	**.99249**	**.38911**	**413.61**	**.37462**	**.43387**
Stddev	.00064	.135	.00053	.00112	.00090	.00192	.89	.00019	.00018
%RSD	.84302	.22214	.12837	.27509	.09034	.49462	.21594	.05017	.04148
#1	.07652	60.805	.41617	.40809	.99312	.39047	412.98	.37449	.43399
#2	.07561	60.997	.41542	.40968	.99186	.38775	414.24	.37475	.43374
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41610**	**.46210**	**97.898**	**27.140**	**.48223**	**141.31**	**4.1637**	**.36200**	**20.148**
Stddev	.00536	.00043	.627	.007	.00144	.66	.0190	.00047	.012
%RSD	1.2877	.09237	.64058	.02709	.29906	.46924	.45628	.13118	.05762
#1	.41988	.46180	97.455	27.135	.48325	141.78	4.1771	.36166	20.156
#2	.41231	.46240	98.342	27.145	.48121	140.84	4.1503	.36233	20.140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48098**	**.42430**	**.7699**	**.38403**	**.38933**	**40.926**	**.30218**	**.88074**	**1.1975**
Stddev	.00038	.00014	.0026	.00012	.00164	.006	.00028	.00513	.0081
%RSD	.07920	.03259	.3383	.03095	.42242	.01517	.09350	.58272	.67466
#1	.48125	.42420	.7718	.38394	.39049	40.922	.30238	.88436	1.1918
#2	.48071	.42440	.7681	.38411	.38817	40.931	.30198	.87711	1.2032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.39081**	**.44883**	**.54670**
Stddev	.00262	.00379	.00931
%RSD	.67112	.84376	1.7031
#1	.39267	.45151	.55328
#2	.38896	.44615	.54012
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1859.6**	**5699.7**	**80553.**	**10446.**
Stddev	.2	9.1	540.	28.
%RSD	.00851	.15992	.67057	.26702
#1	1859.8	5706.1	80171.	10466.
#2	1859.5	5693.2	80935.	10426.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	81.853%	96.962%	97.609%	106.28%
Range				

Sample Name: 480-59414-e-1-b ms Acquired: 5/9/2014 0:58:07 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.09099**	**82.042**	**.39237**	**.41727**	**.95053**	**.37546**	**298.67**	**.36513**	**.43646**
Stddev	.00004	.226	.00116	.00004	.00371	.00018	1.66	.00038	.00031
%RSD	.04289	.27568	.29496	.00939	.39050	.04883	.55741	.10484	.07200
#1	.09102	82.202	.39155	.41730	.95315	.37559	299.85	.36541	.43624
#2	.09096	81.882	.39319	.41724	.94790	.37533	297.50	.36486	.43669
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41689**	**.44208**	**107.71**	**31.353**	**.47341**	**78.403**	**4.3942**	**.35102**	**19.349**
Stddev	.00045	.00341	.35	.155	.00146	.032	.0066	.00055	.124
%RSD	.10833	.77189	.32786	.49384	.30785	.04127	.15128	.15709	.63967
#1	.41721	.44450	107.96	31.462	.47444	78.426	4.3989	.35141	19.437
#2	.41657	.43967	107.46	31.243	.47238	78.380	4.3895	.35063	19.262
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49028**	**.40236**	F **19.38**	**.32891**	**.36391**	**50.221**	**.38189**	**.86268**	**1.6570**
Stddev	.00077	.00093	.06	.00098	.00322	.105	.00090	.00207	.0083
%RSD	.15796	.23207	.3341	.29805	.88562	.20813	.23479	.24041	.50098
#1	.49083	.40303	19.43	.32960	.36619	50.295	.38252	.86415	1.6511
#2	.48973	.40170	19.34	.32821	.36163	50.147	.38125	.86121	1.6628
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.39321**	**.46114**	**.54413**
Stddev	.00162	.00075	.00001
%RSD	.41312	.16302	.00245
#1	.39436	.46167	.54412
#2	.39206	.46061	.54414
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1911.2**	**5834.9**	**83952.**	**10740.**
Stddev	.6	5.2	284.	22.
%RSD	.03006	.08972	.33826	.20458
#1	1911.6	5831.2	83751.	10724.
#2	1910.8	5838.6	84153.	10756.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.121%	99.262%	101.73%	109.27%
Range				

Sample Name: 480-59414-e-1-c msd Acquired: 5/9/2014 1:00:53 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.09662**	**89.100**	**.40924**	**.41624**	**.95927**	**.38939**	**254.41**	**.37859**	**.45179**
Stddev	.00042	.217	.00288	.00030	.00235	.00073	.14	.00078	.00016
%RSD	.43245	.24366	.70435	.07209	.24481	.18801	.05639	.20560	.03480
#1	.09691	88.946	.41128	.41602	.95761	.38888	254.31	.37914	.45168
#2	.09632	89.253	.40720	.41645	.96093	.38991	254.51	.37804	.45190
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46376**	**.50055**	**131.80**	**30.197**	**.49845**	**75.559**	**4.2219**	**.36384**	**19.922**
Stddev	.00112	.00267	.02	.026	.00089	.123	.0050	.00046	.079
%RSD	.24208	.53409	.01500	.08556	.17807	.16249	.11970	.12732	.39408
#1	.46455	.49866	131.82	30.179	.49782	75.646	4.2255	.36417	19.867
#2	.46296	.50244	131.79	30.215	.49907	75.472	4.2183	.36351	19.978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51289**	**.40967**	F **19.74**	**.34173**	**.37862**	**49.670**	**.39452**	**.79666**	**1.5679**
Stddev	.00155	.00340	.04	.00035	.00418	.108	.00132	.00244	.0103
%RSD	.30270	.83112	.2075	.10334	1.1051	.21819	.33369	.30613	.65704
#1	.51398	.41208	19.77	.34148	.37566	49.593	.39359	.79493	1.5751
#2	.51179	.40727	19.71	.34198	.38158	49.747	.39545	.79838	1.5606
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.40372**	**.49966**	**.62261**
Stddev	.00159	.00033	.00184
%RSD	.39396	.06638	.29512
#1	.40260	.49942	.62391
#2	.40485	.49989	.62131
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1944.0**	**5837.1**	**82150.**	**10380.**
Stddev	3.3	5.8	124.	18.
%RSD	.16782	.09905	.15127	.17016
#1	1941.7	5833.0	82062.	10367.
#2	1946.3	5841.2	82238.	10392.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.566%	99.300%	99.545%	105.61%
Range				

Sample Name: 480-59440-a-2-b Acquired: 5/9/2014 1:03:40 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**39.638**	**.07890**	**.00694**	**.27769**	**.00231**	**14.817**	**.01218**	**.02736**
Stddev	.00029	.102	.00092	.00033	.00073	.00000	.004	.00004	.00002
%RSD	52.881	.25760	1.1599	4.7371	.26374	.04087	.02851	.32358	.07632
#1	.00076	39.566	.07825	.00717	.27717	.00231	14.820	.01215	.02734
#2	.00035	39.710	.07955	.00671	.27821	.00231	14.814	.01221	.02737
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09528**	**1.0071**	**90.578**	**7.5261**	**.06190**	**12.222**	**.98854**	**.00716**	**.82840**
Stddev	.00086	.0035	.478	.0073	.00088	.031	.00169	.00010	.00687
%RSD	.89838	.34953	.52807	.09650	1.4162	.25060	.17103	1.4074	.82887
#1	.09467	1.0046	90.239	7.5210	.06252	12.200	.98735	.00709	.83325
#2	.09588	1.0096	90.916	7.5312	.06128	12.243	.98974	.00723	.82354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07876**	**.36009**	**1.072**	**.00223**	**.00178**	**18.749**	**.02813**	**.06133**	**2.4609**
Stddev	.00000	.00293	.003	.00233	.00340	.002	.00016	.00017	.0034
%RSD	.00206	.81263	.3031	104.48	190.53	.01171	.56222	.27463	.13947
#1	.07876	.36216	1.070	.00058	-.00062	18.750	.02824	.06121	2.4584
#2	.07877	.35802	1.075	.00387	.00418	18.747	.02802	.06145	2.4633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00293**	**.10111**	**.76868**
Stddev	.00184	.00025	.00475
%RSD	62.842	.24256	.61758
#1	-.00423	.10128	.76532
#2	-.00163	.10093	.77204
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2189.7**	**5959.4**	**83754.**	**10334.**
Stddev	4.3	38.6	386.	18.
%RSD	.19809	.64748	.46093	.17101
#1	2192.8	5986.7	84027.	10347.
#2	2186.6	5932.1	83481.	10322.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.381%	101.38%	101.49%	105.14%
Range				

Sample Name: 480-59441-a-1-b Acquired: 5/9/2014 1:06:23 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**79.300**	**.22393**	**.00535**	**.24874**	**.00418**	**6.9754**	**.00052**	**.06765**
Stddev	.00061	.035	.00255	.00021	.00011	.00001	.0227	.00011	.00008
%RSD	273.07	.04393	1.1391	3.8890	.04537	.17173	.32512	21.286	.11615
#1	-.00065	79.325	.22573	.00549	.24882	.00418	6.9914	.00059	.06759
#2	.00021	79.276	.22213	.00520	.24866	.00419	6.9593	.00044	.06770
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20870**	**.15316**	**128.41**	**10.325**	**.12873**	**30.405**	**2.0277**	**.00836**	**.83943**
Stddev	.00281	.00011	.24	.023	.00027	.127	.0112	.00009	.00003
%RSD	1.3447	.07132	.18332	.22531	.20671	.41822	.55146	1.0781	.00306
#1	.20671	.15323	128.57	10.341	.12854	30.315	2.0198	.00830	.83942
#2	.21068	.15308	128.24	10.309	.12891	30.495	2.0356	.00843	.83945
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19051**	**.09588**	**1.075**	**.00058**	**-.00104**	**24.364**	**.02352**	**.03456**	**4.6546**
Stddev	.00082	.00081	.003	.00102	.00074	.093	.00006	.00026	.0088
%RSD	.42792	.83962	.2829	175.46	70.985	.38105	.26535	.74286	.18888
#1	.19109	.09645	1.073	-.00014	-.00156	24.430	.02347	.03438	4.6484
#2	.18994	.09531	1.077	.00130	-.00052	24.298	.02356	.03475	4.6608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00220**	**.15629**	**.42282**
Stddev	.00015	.00001	.00512
%RSD	6.7811	.00357	1.2114
#1	-.00231	.15629	.41920
#2	-.00210	.15628	.42644
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2148.4**	**6039.1**	**85583.**	**10704.**
Stddev	.2	6.9	269.	10.
%RSD	.00893	.11430	.31430	.09313
#1	2148.2	6034.3	85773.	10697.
#2	2148.5	6044.0	85392.	10711.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.561%	102.74%	103.70%	108.90%
Range				

Sample Name: BLANK Acquired: 5/9/2014 1:09:05 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00611**	**-.00092**	**.00006**	**.00030**	**-.00015**	**-.00603**	**-.00001**	**.00011**
Stddev	.00064	.01756	.00102	.00024	.00003	.00000	.00003	.00001	.00001
%RSD	1238.7	287.59	110.87	388.90	8.7401	3.2349	.46528	143.38	7.1723
#1	.00051	.00631	-.00020	.00023	.00032	-.00015	-.00605	-.00001	.00011
#2	-.00040	-.01853	-.00164	-.00011	.00028	-.00015	-.00601	.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	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00121**	**.00086**	**-.02833**	**.00074**	**.00316**	**.00001**	**.00007**	**-.02164**
Stddev	.00034	.00009	.00065	.02004	.00107	.00082	.00006	.00005	.00391
%RSD	105.11	7.6260	75.538	70.739	143.90	25.845	491.14	70.594	18.087
#1	.00057	-.00128	.00040	-.01416	.00150	.00374	-.00003	.00011	-.02441
#2	.00008	-.00115	.00132	-.04250	-.00001	.00258	.00005	.00004	-.01887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00085**	**-.0042**	**.00112**	**-.00039**	**.01462**	**-.00013**	**.00008**	**.00031**
Stddev	.00023	.00038	.0002	.00087	.00095	.01714	.00033	.00014	.00017
%RSD	175.82	45.067	5.370	77.477	243.59	117.22	259.69	181.16	53.314
#1	-.00003	-.00112	-.0043	.00173	-.00106	.00250	-.00036	.00018	.00043
#2	.00030	-.00058	-.0040	.00050	.00028	.02675	.00010	-.00002	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00217**	**-.00009**	**.00017**
Stddev	.00213	.00001	.00008
%RSD	97.838	12.608	46.697
#1	-.00368	-.00010	.00011
#2	-.00067	-.00009	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2297.5**	**5945.6**	**85469.**	**10464.**
Stddev	3.7	10.6	668.	29.
%RSD	.15996	.17896	.78151	.27536
#1	2295.0	5938.1	85942.	10444.
#2	2300.1	5953.2	84997.	10485.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.13%	101.15%	103.57%	106.47%
Range				

Sample Name: BLANK Acquired: 5/9/2014 1:11:55 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00651**	**.00042**	**-.00019**	**.00030**	**-.00010**	**-.00619**	**-.00001**	**.00012**
Stddev	.00074	.00732	.00070	.00035	.00000	.00001	.00129	.00003	.00013
%RSD	210.31	112.40	165.86	187.03	1.6598	7.4787	20.819	442.14	105.36
#1	-.00087	.00134	-.00007	-.00043	.00029	-.00009	-.00710	.00002	.00021
#2	.00017	.01169	.00092	.00006	.00030	-.00010	-.00528	-.00003	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00090**	**-.00422**	**-.01858**	**-.00001**	**.00054**	**.00001**	**.00005**	**-.02308**
Stddev	.00007	.00019	.00056	.00602	.00007	.00282	.00000	.00008	.00422
%RSD	220.10	20.592	13.327	32.369	562.78	527.36	18.349	161.46	18.268
#1	-.00002	-.00103	-.00461	-.02284	-.00006	-.00146	.00001	.00010	-.02010
#2	.00008	-.00077	-.00382	-.01433	.00004	.00253	.00001	-.00001	-.02607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**-.00020**	**-.0021**	**.00027**	**-.00078**	**.00555**	**-.00004**	**.00012**	**.00015**
Stddev	.00015	.00022	.0018	.00138	.00072	.00695	.00004	.00008	.00004
%RSD	52.575	111.39	83.76	505.81	92.164	125.22	111.60	63.889	23.800
#1	.00039	-.00036	-.0033	.00125	-.00128	.00064	-.00001	.00007	.00012
#2	.00018	-.00004	-.0009	-.00070	-.00027	.01046	-.00007	.00018	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00069**	**-.00022**	**.00035**
Stddev	.00045	.00014	.00012
%RSD	64.551	64.804	35.664
#1	-.00038	-.00012	.00026
#2	-.00101	-.00032	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2299.7**	**5978.4**	**84902.**	**10397.**
Stddev	.6	13.1	203.	29.
%RSD	.02543	.21944	.23932	.27854
#1	2299.3	5987.7	85045.	10418.
#2	2300.2	5969.2	84758.	10377.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.22%	101.70%	102.88%	105.78%
Range				

Sample Name: BLANK Acquired: 5/9/2014 1:14:45 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00359**	**-.00091**	**.00016**	**.00035**	**-.00004**	**.01778**	**-.00002**	**.00009**
Stddev	.00083	.01468	.00262	.00001	.00004	.00005	.00023	.00010	.00005
%RSD	5047.6	408.88	286.84	8.7617	11.886	124.31	1.2687	555.13	54.649
#1	.00057	.01397	.00094	.00017	.00038	-.00007	.01794	-.00009	.00005
#2	-.00060	-.00679	-.00276	.00015	.00032	-.00000	.01762	.00005	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**-.00094**	**.01844**	**-.01630**	**-.00016**	**.00729**	**.00021**	**-.00008**	**-.02318**
Stddev	.00009	.00007	.00441	.00316	.00125	.00424	.00028	.00011	.00509
%RSD	74.806	7.5640	23.886	19.356	773.90	58.144	132.92	139.24	21.962
#1	-.00006	-.00099	.02156	-.01854	.00072	.01029	.00041	-.00000	-.01958
#2	-.00019	-.00089	.01533	-.01407	-.00104	.00429	.00001	-.00016	-.02678
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00050**	**-.0023**	**.00014**	**-.00084**	**.01282**	**.00001**	**.00008**	**.00017**
Stddev	.00030	.00041	.0010	.00122	.00157	.01252	.00038	.00005	.00014
%RSD	270.43	81.631	44.14	844.49	185.97	97.695	7501.6	65.472	80.092
#1	-.00010	-.00079	-.0016	.00100	-.00195	.02167	.00027	.00004	.00007
#2	.00033	-.00021	-.0030	-.00072	.00027	.00396	-.00026	.00012	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00126**	**-.00030**	**.00018**
Stddev	.00075	.00014	.00032
%RSD	59.268	45.877	173.11
#1	-.00179	-.00020	.00041
#2	-.00073	-.00040	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2303.8**	**6009.3**	**84533.**	**10287.**
Stddev	.3	7.3	42.	23.
%RSD	.01090	.12074	.04950	.22593
#1	2303.6	6014.4	84562.	10304.
#2	2303.9	6004.1	84503.	10271.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.40%	102.23%	102.43%	104.67%
Range				

Sample Name: BLANK Acquired: 5/9/2014 1:17:35 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00697**	**-.00101**	**.00005**	**.00025**	**-.00007**	**-.00259**	**-.00004**	**.00015**
Stddev	.00021	.02041	.00002	.00008	.00001	.00002	.00439	.00002	.00000
%RSD	47.558	292.97	2.1286	175.99	2.2283	33.398	169.06	59.329	2.8913
#1	.00059	.02139	-.00099	.00011	.00025	-.00005	.00051	-.00006	.00015
#2	.00029	-.00746	-.00102	-.00001	.00025	-.00009	-.00570	-.00002	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00088**	**.00008**	**-.02120**	**.00010**	**.00062**	**.00001**	**-.00006**	**-.03072**
Stddev	.00000	.00028	.00290	.03757	.00014	.00426	.00002	.00010	.00169
%RSD	4.2172	31.569	3777.8	177.23	138.51	689.62	412.47	174.69	5.4917
#1	.00004	-.00108	.00213	.00537	.00021	.00363	.00002	-.00013	-.02953
#2	.00003	-.00068	-.00197	-.04777	.00000	-.00239	-.00001	.00001	-.03192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00045**	**-.0050**	**.00039**	**.00025**	**.00199**	**.00022**	**.00000**	**.00036**
Stddev	.00026	.00032	.0010	.00013	.00048	.00151	.00037	.00015	.00025
%RSD	905.42	71.857	19.12	34.116	193.78	75.795	165.13	3047.6	69.668
#1	-.00021	.00022	-.0044	.00049	.00059	.00092	-.00004	-.00010	.00018
#2	.00016	.00067	-.0057	.00030	-.00009	.00305	.00048	.00011	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00104**	**-.00031**	**.00043**
Stddev	.00177	.00034	.00039
%RSD	170.91	109.80	89.200
#1	-.00229	-.00007	.00016
#2	.00022	-.00055	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2296.2**	**5988.2**	**84748.**	**10319.**
Stddev	4.0	6.5	470.	19.
%RSD	.17579	.10919	.55490	.18288
#1	2299.0	5992.8	85080.	10305.
#2	2293.3	5983.6	84415.	10332.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.07%	101.87%	102.69%	104.99%
Range				

Sample Name: CCV Acquired: 5/9/2014 1:20:27 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49303**	**25.291**	**.50335**	**.48532**	**.50371**	**.50568**	**24.709**	**.49099**	**.49230**	**.49682**	**.50107**	**25.000**	**24.566**	**.49621**
Stddev	.00069	.032	.00408	.00062	.00008	.00115	.126	.00043	.00080	.00118	.00231	.014	.042	.00023
%RSD	.13935	.12711	.81122	.12719	.01659	.22792	.51071	.08830	.16328	.23744	.46188	.05643	.17006	.04544
#1	.49255	25.314	.50624	.48575	.50376	.50650	24.619	.49068	.49287	.49766	.50270	24.990	24.536	.49637
#2	.49352	25.268	.50046	.48488	.50365	.50487	24.798	.49130	.49174	.49599	.49943	25.010	24.596	.49605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.920**	**.50810**	**.48910**	**24.108**	**.49979**	**.49504**	**25.23**	**.50854**	**.49802**	**24.367**	**.47421**	**.49570**	**.47744**	**.50835**
Stddev	.009	.00035	.00032	.002	.00042	.00114	.07	.00056	.00094	.121	.00102	.00011	.00033	.00318
%RSD	.03504	.06811	.06480	.00886	.08337	.22999	.2609	.11003	.18814	.49612	.21579	.02237	.06918	.62527
#1	24.913	.50785	.48933	24.109	.49949	.49424	25.19	.50814	.49869	24.282	.47494	.49578	.47720	.51060
#2	24.926	.50834	.48888	24.106	.50008	.49585	25.28	.50894	.49736	24.453	.47349	.49562	.47767	.50610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.48477**	**.48790**
Stddev	.00202	.00093
%RSD	.41602	.19118
#1	.48619	.48724
#2	.48334	.48856
Check ?	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	**2131.9**	**5830.9**	**81465.**	**10263.**
Stddev	4.2	9.6	393.	43.
%RSD	.19874	.16503	.48231	.41956
#1	2134.9	5837.7	81187.	10294.
#2	2128.9	5824.1	81743.	10233.

Sample Name: CCB Acquired: 5/9/2014 1:23:08 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00048**	**.01765**	**.00058**	**.00044**	**.00002**	**-.00011**	**-.01037**	**-.00005**	**.00016**	**.00055**	**-.00089**	**-.00123**
Stddev	.00003	.00609	.00097	.00001	.00002	.00003	.00075	.00001	.00001	.00010	.00001	.00381
%RSD	6.4600	34.516	168.45	2.6439	90.220	24.486	7.2073	11.381	6.3062	18.435	1.3036	309.23
#1	.00050	.01335	.00126	.00044	.00004	-.00009	-.00984	-.00004	.00015	.00062	-.00089	.00146
#2	.00046	.02196	-.00011	.00045	.00001	-.00013	-.01090	-.00005	.00017	.00048	-.00090	-.00393
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00134**	**.00036**	**.00395**	**.00014**	**.00006**	**-.02814**	**.00019**	**-.00037**	**-.0008**	**.00182**	**.00140**	**.02218**
Stddev	.00575	.00008	.00264	.00001	.00024	.00028	.00019	.00041	.0025	.00114	.00088	.01178
%RSD	429.90	21.756	66.689	5.9615	376.12	.99753	99.669	109.30	303.0	62.734	62.675	53.118
#1	-.00541	.00042	.00582	.00014	.00024	-.02834	.00006	-.00066	.0009	.00262	.00078	.01385
#2	.00273	.00031	.00209	.00013	-.00011	-.02794	.00032	-.00008	-.0026	.00101	.00202	.03050
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00007**	**.00016**	**-.00057**	**-.00018**	**.00020**
Stddev	.00024	.00018	.00008	.00010	.00003	.00047
%RSD	115.19	262.69	46.603	17.166	17.929	233.67
#1	-.00004	-.00006	.00022	-.00064	-.00015	.00054
#2	-.00038	.00020	.00011	-.00050	-.00020	-.00013
Check ?	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	**2298.5**	**6014.8**	**84981.**	**10159.**
Stddev	.7	19.9	145.	1.
%RSD	.02828	.33159	.17069	.01468
#1	2298.1	6028.9	85084.	10160.
#2	2299.0	6000.7	84879.	10158.

Sample Name: CCVL Acquired: 5/9/2014 1:25:59 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00594**	**.20619**	**.01350**	**.01888**	**.00233**	**.00191**	**.47693**	**.00182**	**.00403**	**.00398**	**.00846**	**.04537**
Stddev	.00092	.00227	.00016	.00027	.00001	.00001	.00228	.00002	.00007	.00008	.00031	.00085
%RSD	15.568	1.1018	1.1846	1.4353	.42392	.72362	.47822	1.0968	1.8447	1.9546	3.6576	1.8685
#1	.00529	.20780	.01361	.01907	.00234	.00190	.47855	.00183	.00408	.00403	.00824	.04477
#2	.00659	.20459	.01339	.01868	.00232	.00192	.47532	.00180	.00398	.00392	.00868	.04597
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44082**	**.02749**	**.19738**	**.00287**	**.00959**	**.87301**	**.00961**	**.01009**	**.2009**	**.02038**	**.02389**	**.48312**
Stddev	.00626	.00004	.00047	.00004	.00010	.00512	.00008	.00117	.0010	.00083	.00023	.01140
%RSD	1.4201	.13884	.23961	1.3910	1.0423	.58682	.82806	11.577	.4881	4.0971	.94702	2.3592
#1	.43639	.02752	.19771	.00284	.00952	.87663	.00966	.01092	.2016	.01978	.02405	.49118
#2	.44525	.02746	.19705	.00290	.00966	.86939	.00955	.00927	.2002	.02097	.02373	.47506
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00858**	**.00479**	**.00448**	**.01897**	**.00461**	**.00954**
Stddev	.00021	.00012	.00014	.00085	.00010	.00011
%RSD	2.4949	2.5208	3.1005	4.4991	2.1319	1.1299
#1	.00873	.00487	.00458	.01957	.00454	.00946
#2	.00843	.00470	.00438	.01836	.00467	.00961
Check ?	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	**2299.5**	**6006.7**	**84619.**	**10305.**
Stddev	1.8	13.2	585.	28.
%RSD	.07734	.21938	.69129	.27286
#1	2300.8	6016.0	85033.	10325.
#2	2298.3	5997.3	84205.	10285.

Sample Name: mb 480-180822/1-a Acquired: 5/9/2014 1:28:49 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00217**	**-.00172**	**.00025**	**.00024**	**-.00011**	**-.00081**	**-.00001**	**.00014**
Stddev	.00022	.00527	.00043	.00019	.00002	.00004	.00303	.00006	.00002
%RSD	63.186	242.39	24.917	72.942	8.2128	31.597	375.32	523.29	12.868
#1	.00019	-.00590	-.00142	.00012	.00023	-.00014	-.00295	-.00006	.00013
#2	.00049	.00155	-.00203	.00039	.00026	-.00009	.00134	.00003	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00065**	**-.00071**	**-.01422**	**.00059**	**.00301**	**.00049**	**.00012**	**-.02493**
Stddev	.00024	.00014	.00119	.04549	.00068	.00058	.00000	.00000	.00238
%RSD	103.93	21.476	168.40	319.88	114.55	19.185	.97346	2.9805	9.5339
#1	.00006	-.00074	-.00155	-.04639	.00107	.00260	.00049	.00011	-.02325
#2	.00040	-.00055	.00014	.01795	.00011	.00342	.00049	.00012	-.02661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00006**	**.0011**	**.00108**	**.00011**	**.03567**	**.00024**	**.00011**	**-.00026**
Stddev	.00026	.00084	.0009	.00106	.00042	.00077	.00058	.00003	.00005
%RSD	347.09	1389.0	84.15	98.649	372.09	2.1630	241.10	25.987	18.599
#1	-.00011	-.00066	.0004	.00033	-.00018	.03512	.00065	.00009	-.00029
#2	.00026	.00053	.0018	.00183	.00041	.03621	-.00017	.00013	-.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00173**	**-.00011**	**.00024**
Stddev	.00004	.00003	.00027
%RSD	2.5019	22.751	114.07
#1	-.00176	-.00013	.00043
#2	-.00170	-.00009	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2289.5**	**5942.2**	**84872.**	**10346.**
Stddev	1.4	7.7	439.	91.
%RSD	.06180	.12916	.51689	.88092
#1	2290.5	5936.7	85182.	10411.
#2	2288.5	5947.6	84562.	10282.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.77%	101.09%	102.84%	105.27%
Range				

Sample Name: lcs 480-180822/2-a Acquired: 5/9/2014 1:31:39 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04957**	**10.321**	**.20356**	**.19964**	**.20540**	**.20679**	**9.6753**	**.19919**	**.19883**
Stddev	.00056	.044	.00324	.00001	.00012	.00012	.0185	.00038	.00019
%RSD	1.1385	.42952	1.5899	.00535	.05856	.05702	.19116	.19142	.09548
#1	.04997	10.352	.20585	.19965	.20548	.20687	9.6623	.19946	.19896
#2	.04917	10.290	.20127	.19963	.20531	.20671	9.6884	.19892	.19869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19909**	**.20247**	**10.121**	**9.6772**	**.19723**	**10.136**	**.20389**	**.20019**	**9.6255**
Stddev	.00086	.00054	.033	.0138	.00049	.018	.00014	.00077	.0222
%RSD	.43390	.26787	.32345	.14288	.24623	.17678	.07034	.38449	.23082
#1	.19970	.20285	10.098	9.6674	.19758	10.149	.20399	.19964	9.6412
#2	.19848	.20209	10.144	9.6870	.19689	10.124	.20378	.20073	9.6097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19714**	**.19589**	**10.10**	**.20930**	**.20333**	**9.9802**	**.18506**	**.20290**	**.18968**
Stddev	.00048	.00041	.00	.00189	.00246	.0210	.00130	.00007	.00040
%RSD	.24371	.21073	.0383	.90138	1.2084	.21012	.70257	.03568	.21260
#1	.19680	.19618	10.11	.21063	.20507	9.9950	.18598	.20295	.18997
#2	.19748	.19560	10.10	.20796	.20159	9.9653	.18414	.20285	.18940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.21076**	**.19733**	**.18875**
Stddev	.00029	.00053	.00133
%RSD	.13670	.26723	.70348
#1	.21055	.19696	.18781
#2	.21096	.19771	.18969
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2205.2**	**5842.8**	**83557.**	**10397.**
Stddev	.7	.4	47.	33.
%RSD	.03334	.00730	.05621	.31311
#1	2205.7	5843.1	83523.	10420.
#2	2204.7	5842.5	83590.	10374.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.063%	99.397%	101.25%	105.79%
Range				

Sample Name: 490-52278-g-1-a Acquired: 5/9/2014 1:34:20 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00827**	**-.00022**	**.00882**	**.00203**	**-.00009**	**19.103**	**.00006**	**.00019**
Stddev	.00002	.00029	.00013	.00017	.00004	.00002	.052	.00000	.00011
%RSD	4.1307	3.5263	60.546	1.9391	1.8152	18.372	.27029	2.3143	60.157
#1	.00052	.00806	-.00031	.00894	.00206	-.00008	19.139	.00006	.00026
#2	.00049	.00847	-.00013	.00870	.00201	-.00011	19.066	.00006	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.03206**	**.04758**	**1.0308**	**.01674**	**2.4797**	**.06888**	**.00520**	**12.634**
Stddev	.00009	.00070	.00465	.0292	.00019	.0159	.00005	.00012	.050
%RSD	30.362	2.1895	9.7768	2.8329	1.1539	.63986	.07171	2.3036	.39769
#1	.00035	.03256	.04429	1.0101	.01687	2.4909	.06891	.00512	12.669
#2	.00023	.03157	.05087	1.0514	.01660	2.4685	.06884	.00529	12.598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**.00253**	**3.265**	**-.00026**	**.00264**	**7.5152**	**.00037**	**.14410**	**-.00007**
Stddev	.00009	.00013	.028	.00136	.00095	.0192	.00022	.00061	.00029
%RSD	9.4282	5.2140	.8501	523.63	36.034	.25503	58.723	.42297	388.24
#1	.00102	.00262	3.245	-.00122	.00332	7.5016	.00022	.14367	.00013
#2	.00090	.00244	3.284	.00070	.00197	7.5287	.00052	.14453	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00043**	**.00040**	**.05522**
Stddev	.00066	.00016	.00102
%RSD	152.22	40.546	1.8481
#1	-.00090	.00029	.05594
#2	.00003	.00052	.05450
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2234.3**	**5863.8**	**82372.**	**10232.**
Stddev	2.5	11.9	478.	15.
%RSD	.11388	.20374	.58035	.14746
#1	2236.1	5872.2	82034.	10221.
#2	2232.5	5855.3	82710.	10242.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.342%	99.753%	99.814%	104.10%
Range				

Sample Name: 490-52278-g-1-aSD@5 Acquired: 5/9/2014 1:37:08 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00699**	**-.00099**	**.00164**	**.00065**	**-.00013**	**3.6399**	**-.00002**	**.00013**
Stddev	.00019	.02780	.00243	.00006	.00000	.00001	.0022	.00001	.00003
%RSD	387.52	397.96	245.58	3.3819	.02472	10.899	.06109	70.448	26.693
#1	-.00009	-.02665	.00073	.00160	.00065	-.00014	3.6414	-.00003	.00015
#2	.00019	.01267	-.00271	.00168	.00065	-.00012	3.6383	-.00001	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00516**	**.00506**	**.20612**	**.00326**	**.47513**	**.01348**	**.00113**	**2.3752**
Stddev	.00008	.00004	.00317	.03557	.00014	.00635	.00006	.00018	.0065
%RSD	47.285	.85509	62.606	17.259	4.2386	1.3356	.40908	16.320	.27160
#1	-.00023	.00513	.00282	.18096	.00335	.47064	.01352	.00126	2.3706
#2	-.00012	.00519	.00730	.23127	.00316	.47961	.01344	.00100	2.3797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00012**	**.6352**	**.00167**	**.00143**	**1.4472**	**.00020**	**.02848**	**.00047**
Stddev	.00037	.00110	.0013	.00246	.00030	.0011	.00004	.00018	.00009
%RSD	88.878	921.07	.2058	147.35	20.781	.07692	20.334	.64951	18.986
#1	.00015	.00090	.6342	.00341	.00164	1.4464	.00023	.02835	.00053
#2	.00067	-.00066	.6361	-.00007	.00122	1.4480	.00017	.02861	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00182**	**.00013**	**.01009**
Stddev	.00121	.00019	.00093
%RSD	66.588	139.21	9.2421
#1	-.00096	.00026	.01075
#2	-.00267	.00000	.00943
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2286.3**	**5933.0**	**85028.**	**10483.**
Stddev	4.4	8.6	272.	35.
%RSD	.19411	.14510	.32030	.32954
#1	2289.4	5939.1	84836.	10459.
#2	2283.2	5926.9	85221.	10507.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.63%	100.93%	103.03%	106.66%
Range				

Sample Name: 490-52278-g-1-aPDS Acquired: 5/9/2014 1:39:57 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04069**	**10.379**	**.21697**	**.21460**	**.21082**	**.21523**	**28.103**	**.20248**	**.20254**
Stddev	.00048	.011	.00001	.00116	.00004	.00080	.068	.00026	.00022
%RSD	1.1918	.10709	.00617	.54091	.01739	.37321	.24183	.12710	.10625
#1	.04103	10.371	.21698	.21378	.21085	.21580	28.055	.20267	.20270
#2	.04035	10.387	.21696	.21542	.21080	.21467	28.151	.20230	.20239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20099**	**.23340**	**10.350**	**10.936**	**.21852**	**12.697**	**.27169**	**.20960**	**22.161**
Stddev	.00102	.00039	.004	.043	.00181	.004	.00002	.00025	.072
%RSD	.50842	.16809	.03538	.39043	.82798	.02832	.00783	.11921	.32562
#1	.20171	.23313	10.352	10.906	.21724	12.700	.27170	.20977	22.110
#2	.20027	.23368	10.347	10.966	.21980	12.695	.27167	.20942	22.212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20367**	**.20495**	**3.256**	**.21199**	**.21266**	**17.387**	**.14910**	**.34848**	**.19293**
Stddev	.00056	.00207	.012	.00034	.00397	.070	.00017	.00061	.00005
%RSD	.27620	1.0101	.3517	.15925	1.8679	.40496	.11682	.17374	.02605
#1	.20407	.20641	3.265	.21223	.21546	17.337	.14923	.34805	.19289
#2	.20328	.20348	3.248	.21175	.20985	17.437	.14898	.34891	.19297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.20846**	**.19947**	**.24617**
Stddev	.00388	.00067	.00231
%RSD	1.8608	.33490	.94017
#1	.21120	.19994	.24780
#2	.20571	.19900	.24453
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2158.5**	**5797.2**	**83276.**	**10485.**
Stddev	.4	3.0	21.	22.
%RSD	.02040	.05165	.02464	.20575
#1	2158.8	5799.4	83290.	10500.
#2	2158.1	5795.1	83261.	10469.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.006%	98.622%	100.91%	106.67%
Range				

Sample Name: 490-52278-g-1-b ms Acquired: 5/9/2014 1:42:37 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04895**	**10.106**	**.20586**	**.20671**	**.20281**	**.20702**	**27.631**	**.19838**	**.19872**
Stddev	.00030	.078	.00219	.00032	.00021	.00023	.119	.00033	.00017
%RSD	.60923	.76835	1.0637	.15516	.10508	.11264	.42981	.16434	.08543
#1	.04874	10.051	.20741	.20693	.20266	.20718	27.547	.19861	.19884
#2	.04916	10.160	.20431	.20648	.20296	.20685	27.715	.19815	.19860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19775**	**.23023**	**10.062**	**10.550**	**.21103**	**12.478**	**.26756**	**.20335**	**21.621**
Stddev	.00069	.00009	.018	.021	.00060	.014	.00015	.00035	.031
%RSD	.34959	.04059	.18115	.19463	.28564	.11055	.05690	.17377	.14368
#1	.19727	.23030	10.049	10.564	.21060	12.468	.26745	.20310	21.643
#2	.19824	.23016	10.075	10.535	.21146	12.488	.26767	.20360	21.599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19759**	**.19666**	F **13.33**	**.20568**	**.19929**	**16.932**	**.18487**	**.34254**	**.18819**
Stddev	.00014	.00034	.03	.00219	.00005	.076	.00110	.00062	.00020
%RSD	.07089	.17143	.2555	1.0628	.02636	.44826	.59501	.18208	.10458
#1	.19769	.19642	13.35	.20722	.19932	16.878	.18564	.34298	.18833
#2	.19749	.19689	13.30	.20413	.19925	16.986	.18409	.34209	.18805
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.20910**	**.19553**	**.23821**
Stddev	.00122	.00029	.00137
%RSD	.58398	.14856	.57472
#1	.20824	.19533	.23918
#2	.20997	.19574	.23724
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2160.1**	**5806.0**	**82629.**	**10391.**
Stddev	2.2	.2	143.	80.
%RSD	.10164	.00402	.17306	.76684
#1	2158.6	5806.1	82730.	10447.
#2	2161.7	5805.8	82528.	10335.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.079%	98.770%	100.13%	105.72%
Range				

Sample Name: 490-52278-g-1-c msd Acquired: 5/9/2014 1:45:17 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04912**	**10.179**	**.20573**	**.20703**	**.20375**	**.20658**	**27.336**	**.19785**	**.19770**
Stddev	.00112	.000	.00118	.00022	.00040	.00066	.017	.00016	.00021
%RSD	2.2829	.00203	.57545	.10759	.19813	.31718	.06292	.08242	.10832
#1	.04833	10.179	.20490	.20719	.20404	.20611	27.348	.19774	.19755
#2	.04991	10.178	.20657	.20687	.20347	.20704	27.323	.19797	.19786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19672**	**.23034**	**10.065**	**10.682**	**.21437**	**12.350**	**.26643**	**.20311**	**21.751**
Stddev	.00042	.00034	.023	.022	.00161	.001	.00012	.00026	.018
%RSD	.21360	.14928	.23269	.20926	.75132	.00564	.04420	.12921	.08142
#1	.19702	.23058	10.048	10.666	.21323	12.350	.26651	.20329	21.739
#2	.19642	.23009	10.081	10.698	.21551	12.351	.26634	.20292	21.764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19686**	**.19754**	F **13.36**	**.20867**	**.19965**	**16.924**	**.18436**	**.34112**	**.18819**
Stddev	.00089	.00042	.04	.00085	.00051	.018	.00067	.00028	.00020
%RSD	.45352	.21422	.2965	.40832	.25503	.10433	.36318	.08180	.10415
#1	.19622	.19784	13.33	.20807	.20001	16.911	.18389	.34092	.18805
#2	.19749	.19724	13.39	.20927	.19929	16.936	.18484	.34131	.18833
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.20877**	**.19515**	**.23462**
Stddev	.00074	.00136	.00024
%RSD	.35600	.69726	.10296
#1	.20825	.19612	.23479
#2	.20930	.19419	.23445
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2165.4**	**5804.6**	**83198.**	**10459.**
Stddev	2.8	2.3	9.	.
%RSD	.12761	.03953	.01130	.00299
#1	2167.4	5806.2	83204.	10459.
#2	2163.5	5803.0	83191.	10459.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.312%	98.746%	100.81%	106.41%
Range				

Sample Name: 490-52278-a-3-a Acquired: 5/9/2014 1:47:56 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00373**	**.00103**	**.00832**	**.00211**	**-.00010**	**17.776**	**-.00002**	**.00018**
Stddev	.00010	.01387	.00118	.00012	.00001	.00002	.056	.00007	.00003
%RSD	46.229	372.15	114.01	1.4721	.54558	16.443	.31279	340.76	17.930
#1	-.00029	.01354	.00187	.00840	.00210	-.00012	17.737	-.00007	.00020
#2	-.00015	-.00608	.00020	.00823	.00211	-.00009	17.816	.00003	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.04412**	**.03428**	**.96648**	**.01672**	**2.3716**	**.07473**	**.00508**	**12.149**
Stddev	.00031	.00053	.00131	.05069	.00033	.0084	.00005	.00008	.020
%RSD	50.042	1.2000	3.8272	5.2446	1.9863	.35518	.06734	1.4894	.16214
#1	.00084	.04374	.03521	1.0023	.01649	2.3656	.07476	.00513	12.163
#2	.00040	.04449	.03335	.93064	.01696	2.3775	.07469	.00503	12.136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.02839**	**3.214**	**-.00006**	**.00031**	**7.1515**	**.00067**	**.13952**	**.00024**
Stddev	.00019	.00082	.004	.00002	.00264	.0189	.00012	.00046	.00024
%RSD	41.082	2.8889	.1168	31.132	846.18	.26400	17.535	.32761	102.05
#1	.00061	.02781	3.211	-.00008	-.00156	7.1649	.00059	.13984	.00007
#2	.00033	.02897	3.216	-.00005	.00218	7.1382	.00075	.13920	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00117**	**.00022**	**.02825**
Stddev	.00042	.00014	.00029
%RSD	35.632	63.558	1.0129
#1	-.00146	.00012	.02805
#2	-.00087	.00032	.02845
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2230.3**	**5807.1**	**83640.**	**10514.**
Stddev	3.8	13.0	258.	36.
%RSD	.16928	.22450	.30833	.34578
#1	2233.0	5816.3	83822.	10540.
#2	2227.7	5797.9	83457.	10488.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.170%	98.790%	101.35%	106.97%
Range				

Sample Name: 480-59399-b-1-a Acquired: 5/9/2014 1:50:44 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02534**	**.00109**	**.02989**	**.02373**	**-.00016**	**32.181**	**.00006**	**.00017**
Stddev	.00094	.00315	.00104	.00032	.00003	.00009	.060	.00004	.00000
%RSD	1127.4	12.437	95.638	1.0794	.12266	54.251	.18766	80.442	.63133
#1	-.00075	.02757	.00035	.02966	.02375	-.00010	32.224	.00002	.00017
#2	.00058	.02311	.00183	.03011	.02370	-.00022	32.138	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00331**	**.19178**	**1.6843**	**.00786**	**7.6634**	**.00283**	**.02150**	**16.082**
Stddev	.00001	.00008	.00019	.0520	.00145	.0286	.00003	.00007	.123
%RSD	1.0569	2.5439	.09800	3.0871	18.488	.37267	1.1894	.34698	.76557
#1	.00060	.00325	.19165	1.6475	.00888	7.6836	.00285	.02156	16.169
#2	.00059	.00337	.19192	1.7210	.00683	7.6432	.00280	.02145	15.995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02026**	**.00200**	**8.095**	**.00094**	**.00054**	**.80399**	**.00005**	**.14829**	**.00101**
Stddev	.00013	.00051	.015	.00009	.00314	.02167	.00032	.00052	.00018
%RSD	.65687	25.775	.1785	9.4658	582.75	2.6956	627.54	.35066	17.640
#1	.02035	.00236	8.106	.00100	-.00168	.78867	.00028	.14792	.00113
#2	.02016	.00163	8.085	.00087	.00276	.81932	-.00017	.14866	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00058**	**.00032**	**.00220**
Stddev	.00095	.00023	.00032
%RSD	163.15	73.072	14.594
#1	-.00125	.00015	.00197
#2	.00009	.00049	.00243
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2203.0**	**5840.4**	**82769.**	**10291.**
Stddev	2.9	25.7	349.	.
%RSD	.13062	.44036	.42161	.00349
#1	2205.1	5858.6	82523.	10291.
#2	2201.0	5822.2	83016.	10291.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.967%	99.356%	100.30%	104.70%
Range				

Sample Name: CCV Acquired: 5/9/2014 1:53:34 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48624**	**24.966**	**.50543**	**.48431**	**.49908**	**.50582**	**24.667**	**.48754**	**.48897**	**.48831**	**.49393**	**25.101**	**24.258**	**.48769**
Stddev	.00004	.088	.00091	.00073	.00026	.00043	.080	.00006	.00004	.00332	.00207	.026	.068	.00386
%RSD	.00905	.35435	.18030	.15035	.05230	.08487	.32313	.01271	.00789	.67908	.41862	.10399	.28022	.79176
#1	.48627	24.903	.50607	.48379	.49890	.50612	24.611	.48750	.48900	.49065	.49540	25.119	24.210	.48496
#2	.48620	25.028	.50478	.48482	.49927	.50551	24.724	.48759	.48895	.48596	.49247	25.082	24.306	.49042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.601**	**.50306**	**.48676**	**23.731**	**.49663**	**.49144**	**25.24**	**.50677**	**.49589**	**24.087**	**.46911**	**.49391**	**.47063**	**.50572**
Stddev	.006	.00059	.00005	.079	.00141	.00135	.06	.00082	.00098	.124	.00063	.00036	.00062	.00253
%RSD	.02320	.11690	.01108	.33291	.28348	.27547	.2236	.16249	.19775	.51429	.13381	.07323	.13146	.50053
#1	24.605	.50347	.48680	23.675	.49763	.49048	25.28	.50735	.49520	23.999	.46866	.49365	.47106	.50751
#2	24.597	.50264	.48673	23.787	.49564	.49240	25.20	.50619	.49658	24.174	.46955	.49417	.47019	.50393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.47388**	**.47358**
Stddev	.00200	.00374
%RSD	.42171	.79000
#1	.47529	.47623
#2	.47247	.47094
Check ?	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	**2136.9**	**5834.4**	**82522.**	**10208.**
Stddev	3.0	.0	197.	11.
%RSD	.13827	.00011	.23925	.10856
#1	2134.8	5834.4	82382.	10216.
#2	2139.0	5834.4	82661.	10200.

Sample Name: CCB Acquired: 5/9/2014 1:56:14 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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**	**.00596**	**-.00103**	**.00080**	**.00002**	**-.00005**	**-.00475**	**.00004**	**.00013**	**.00017**	**-.00048**	**-.00084**
Stddev	.00016	.01534	.00130	.00015	.00000	.00008	.00573	.00005	.00004	.00023	.00001	.00154
%RSD	115.41	257.46	126.38	18.962	19.962	153.23	120.62	128.96	26.445	129.15	1.3535	183.21
#1	.00003	.01680	-.00011	.00070	.00001	.00000	-.00070	.00008	.00011	.00002	-.00048	-.00193
#2	.00026	-.00489	-.00195	.00091	.00002	-.00011	-.00880	.00000	.00016	.00033	-.00047	.00025
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00641**	**-.00039**	**.00168**	**.00004**	**.00010**	**-.02555**	**.00018**	**-.00085**	**.0016**	**.00148**	**.00241**	**.01301**
Stddev	.01232	.00126	.00426	.00001	.00014	.00329	.00027	.00073	.0022	.00042	.00030	.00100
%RSD	192.27	322.29	254.27	16.249	136.25	12.890	146.94	85.817	137.9	28.409	12.302	7.6835
#1	-.00230	.00050	-.00134	.00005	.00020	-.02788	-.00001	-.00136	.0032	.00118	.00220	.01372
#2	.01512	-.00129	.00469	.00004	.00000	-.02322	.00037	-.00033	.0000	.00178	.00262	.01230
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00010**	**-.00005**	**-.00175**	**.00024**	**-.00016**
Stddev	.00003	.00002	.00022	.00239	.00013	.00005
%RSD	45.736	24.919	436.26	136.66	56.108	30.966
#1	-.00009	.00008	.00010	-.00344	.00014	-.00019
#2	-.00004	.00011	-.00020	-.00006	.00033	-.00012
Check ?	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	**2302.3**	**5974.4**	**83953.**	**10332.**
Stddev	.4	4.7	101.	32.
%RSD	.01636	.07785	.12085	.31201
#1	2302.0	5971.1	84025.	10310.
#2	2302.6	5977.7	83881.	10355.

Sample Name: BLANK Acquired: 5/9/2014 1:59:06 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00007**	**-.00586**	**-.00050**	**.00005**	**.00025**	**-.00007**	**-.00330**	**.00001**	**.00007**	**-.00021**	**-.00117**	**-.00383**
Stddev	.00074	.00966	.00279	.00025	.00001	.00005	.00289	.00011	.00007	.00016	.00023	.00263
%RSD	1130.4	165.02	553.67	525.12	5.2106	67.830	87.677	750.99	105.58	77.299	19.920	68.627
#1	.00059	-.01269	.00147	-.00013	.00025	-.00004	-.00125	-.00006	.00012	-.00010	-.00100	-.00197
#2	-.00046	.00098	-.00247	.00022	.00024	-.00010	-.00534	.00009	.00002	-.00032	-.00133	-.00568
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.05081**	**.00019**	**.00346**	**.00007**	**-.00012**	**-.03062**	**-.00021**	**.00023**	**-.0073**	**.00143**	**-.00121**	**.01082**
Stddev	.02266	.00107	.00020	.00003	.00009	.00242	.00004	.00056	.0006	.00114	.00011	.00234
%RSD	44.590	553.81	5.6626	41.775	75.280	7.8965	17.164	246.61	7.661	79.459	9.3460	21.641
#1	-.03479	.00095	.00332	.00010	-.00006	-.03233	-.00019	-.00017	-.0069	.00223	-.00113	.00917
#2	-.06683	-.00056	.00360	.00005	-.00019	-.02891	-.00024	.00062	-.0077	.00063	-.00129	.01248
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00004**	**-.00029**	**-.00265**	**-.00001**	**-.00001**
Stddev	.00004	.00001	.00000	.00157	.00003	.00007
%RSD	21.158	28.190	.90905	59.172	319.08	569.67
#1	-.00017	.00005	-.00028	-.00375	.00001	-.00006
#2	-.00024	.00003	-.00029	-.00154	-.00003	.00004
Check ?	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	**2302.4**	**6047.1**	**85017.**	**10160.**
Stddev	.9	2.5	167.	12.
%RSD	.03991	.04058	.19671	.11729
#1	2303.1	6048.8	85135.	10151.
#2	2301.8	6045.3	84899.	10168.

Sample Name: 480-59399-b-3-a Acquired: 5/9/2014 2:01:56 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02771**	**.00122**	**.03193**	**.02447**	**-.00011**	**33.037**	**.00003**	**.00014**
Stddev	.00026	.01827	.00200	.00003	.00010	.00002	.036	.00001	.00001
%RSD	15182.	65.927	164.20	.08815	.41032	15.246	.10881	30.925	8.9886
#1	.00019	.04063	-.00020	.03195	.02440	-.00013	33.012	.00002	.00015
#2	-.00019	.01479	.00264	.03191	.02454	-.00010	33.063	.00003	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00286**	**.18803**	**1.7618**	**.00798**	**7.7541**	**.00294**	**.02162**	**17.192**
Stddev	.00000	.00027	.00776	.0199	.00082	.0178	.00004	.00005	.024
%RSD	.39592	9.5496	4.1259	1.1306	10.253	.22907	1.2370	.23081	.13757
#1	.00071	.00267	.18254	1.7477	.00740	7.7415	.00297	.02159	17.209
#2	.00070	.00305	.19352	1.7758	.00856	7.7667	.00292	.02166	17.176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02058**	**.00231**	**8.451**	**.00092**	**-.00023**	**.93394**	**-.00015**	**.15392**	**.00418**
Stddev	.00034	.00047	.015	.00082	.00011	.01305	.00003	.00009	.00498
%RSD	1.6538	20.227	.1801	89.321	49.763	1.3974	21.803	.05720	119.14
#1	.02034	.00198	8.462	.00151	-.00015	.94317	-.00012	.15386	.00770
#2	.02082	.00265	8.440	.00034	-.00031	.92471	-.00017	.15399	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00129**	**.00025**	**.00252**
Stddev	.00162	.00019	.00011
%RSD	125.95	74.226	4.1786
#1	-.00014	.00012	.00259
#2	-.00244	.00039	.00244
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2187.5**	**5811.6**	**82699.**	**10316.**
Stddev	2.8	13.3	31.	29.
%RSD	.12626	.22947	.03788	.28393
#1	2189.5	5821.0	82677.	10337.
#2	2185.5	5802.1	82721.	10295.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.284%	98.865%	100.21%	104.96%
Range				

Sample Name: 480-59399-a-5-a Acquired: 5/9/2014 2:04:43 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.09378**	**-.00088**	**.02002**	**.02373**	**-.00009**	**31.439**	**.00016**	**.00027**
Stddev	.00026	.00716	.00222	.00033	.00006	.00000	.089	.00017	.00002
%RSD	231.13	7.6354	253.11	1.6340	.25052	3.8456	.28366	110.60	7.8650
#1	-.00030	.09885	.00069	.01979	.02377	-.00009	31.502	.00003	.00028
#2	.00007	.08872	-.00245	.02026	.02368	-.00009	31.376	.00028	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**.00230**	**.11701**	**1.4808**	**.00258**	**8.0062**	**.00445**	**.00117**	**12.622**
Stddev	.00013	.00012	.00180	.0005	.00023	.0401	.00008	.00029	.101
%RSD	13.628	5.1376	1.5392	.03461	9.0909	.50078	1.8432	24.408	.79916
#1	.00108	.00239	.11828	1.4804	.00242	8.0345	.00451	.00137	12.694
#2	.00089	.00222	.11574	1.4811	.00275	7.9778	.00439	.00097	12.551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**.00010**	**7.182**	**.00152**	**.00033**	**.36250**	**.00021**	**.14329**	**.00162**
Stddev	.00055	.00125	.050	.00104	.00029	.01100	.00000	.00029	.00025
%RSD	52.137	1201.8	.6889	68.168	87.425	3.0332	2.0231	.20366	15.512
#1	.00143	.00098	7.217	.00079	.00054	.35472	.00021	.14350	.00144
#2	.00066	-.00078	7.147	.00226	.00013	.37027	.00021	.14309	.00179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00069**	**.00031**	**.00067**
Stddev	.00022	.00015	.00020
%RSD	32.637	50.576	29.451
#1	-.00085	.00042	.00053
#2	-.00053	.00020	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2198.1**	**5847.0**	**82550.**	**10293.**
Stddev	1.4	10.8	474.	5.
%RSD	.06188	.18438	.57370	.05019
#1	2199.1	5854.6	82215.	10289.
#2	2197.1	5839.4	82885.	10297.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.750%	99.468%	100.03%	104.72%
Range				

Sample Name: 480-59406-h-3-a Acquired: 5/9/2014 2:07:31 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**13.452**	**.00173**	**.01429**	**.06401**	**-.00010**	**22.136**	**.00010**	**.00042**
Stddev	.00056	.006	.00156	.00040	.00040	.00001	.039	.00007	.00006
%RSD	181.10	.04716	90.467	2.8090	.62296	5.4605	.17574	74.254	13.972
#1	.00009	13.448	.00283	.01401	.06429	-.00011	22.164	.00015	.00038
#2	-.00071	13.457	.00062	.01458	.06373	-.00010	22.109	.00005	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00045**	**.33053**	**1.0081**	**.00203**	**5.6839**	**1.6030**	**.00015**	**8.2501**
Stddev	.00045	.00015	.00050	.0044	.00022	.0095	.0043	.00007	.0042
%RSD	182.53	33.710	.15265	.43763	11.061	.16702	.26692	44.994	.05142
#1	-.00007	.00035	.33018	1.0049	.00187	5.6906	1.6060	.00011	8.2471
#2	.00057	.00056	.33089	1.0112	.00219	5.6772	1.5999	.00020	8.2531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00032**	**3.655**	**.00101**	**.00050**	**4.5910**	**.00008**	**.06170**	**.00058**
Stddev	.00026	.00021	.014	.00023	.00300	.0071	.00010	.00019	.00033
%RSD	47.600	64.748	.3683	22.293	602.92	.15426	121.29	.30859	58.093
#1	.00072	.00047	3.665	.00117	-.00162	4.5860	.00015	.06183	.00081
#2	.00036	.00017	3.646	.00085	.00262	4.5960	.00001	.06156	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00220**	**.00016**	**.00156**
Stddev	.00076	.00018	.00063
%RSD	34.677	110.13	40.233
#1	-.00274	.00029	.00112
#2	-.00166	.00004	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2202.7**	**5886.7**	**83124.**	**10313.**
Stddev	.0	8.4	431.	6.
%RSD	.00051	.14330	.51832	.06077
#1	2202.7	5892.6	82820.	10308.
#2	2202.7	5880.7	83429.	10317.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.955%	100.14%	100.73%	104.92%
Range				

Sample Name: 480-59406-i-4-a Acquired: 5/9/2014 2:10:17 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01235**	**.00099**	**.01339**	**.03633**	**-.00017**	**22.570**	**.00007**	**.00007**
Stddev	.00070	.00019	.00188	.00038	.00002	.00004	.011	.00002	.00003
%RSD	550.92	1.5750	190.28	2.8130	.04588	23.123	.04806	31.876	37.778
#1	.00037	.01249	-.00034	.01312	.03634	-.00019	22.562	.00009	.00005
#2	-.00062	.01221	.00232	.01365	.03631	-.00014	22.578	.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	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00043**	**-.00162**	**1.0271**	**.00051**	**5.4713**	**.00058**	**.00007**	**35.431**
Stddev	.00013	.00021	.00396	.0098	.00054	.0004	.00004	.00013	.130
%RSD	38.869	49.985	244.57	.95584	107.13	.00665	6.8255	186.43	.36606
#1	.00044	-.00058	.00118	1.0202	.00012	5.4711	.00061	.00016	35.523
#2	.00025	-.00028	-.00442	1.0341	.00089	5.4716	.00055	-.00002	35.339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00015**	**5.288**	**.00138**	**.00118**	**2.0648**	**-.00060**	**.05815**	**-.00014**
Stddev	.00027	.00018	.042	.00059	.00202	.0025	.00029	.00037	.00001
%RSD	353.50	115.96	.7986	42.545	170.96	.12249	48.143	.64363	6.6765
#1	.00026	-.00028	5.258	.00096	-.00025	2.0666	-.00040	.05841	-.00013
#2	-.00011	-.00003	5.318	.00179	.00261	2.0630	-.00080	.05788	-.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00007**	**.00019**	**.00076**
Stddev	.00006	.00014	.00017
%RSD	86.718	72.309	22.501
#1	.00011	.00029	.00064
#2	.00003	.00009	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2177.2**	**5781.6**	**82013.**	**10404.**
Stddev	1.1	19.8	65.	30.
%RSD	.04854	.34278	.07928	.28438
#1	2177.9	5795.6	82059.	10425.
#2	2176.4	5767.6	81967.	10383.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.829%	98.355%	99.378%	105.85%
Range				

Sample Name: 480-59387-g-4-a Acquired: 5/9/2014 2:13:04 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.05670**	**.00037**	**.01591**	**.01942**	**-.00018**	**31.919**	**.00013**	**.00021**
Stddev	.00057	.00545	.00042	.00017	.00003	.00007	.082	.00009	.00000
%RSD	321.98	9.6096	114.97	1.0581	.16218	38.578	.25679	74.414	.86520
#1	.00023	.05284	.00067	.01603	.01940	-.00023	31.977	.00019	.00021
#2	-.00058	.06055	.00007	.01579	.01944	-.00013	31.861	.00006	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00772**	**.04647**	**3.1542**	**.00165**	**7.0985**	**.00072**	**.01561**	**130.59**
Stddev	.00024	.00016	.00020	.0451	.00031	.0146	.00008	.00008	.06
%RSD	28.530	2.0540	.42178	1.4312	18.601	.20532	11.473	.53068	.04516
#1	.00068	.00783	.04634	3.1222	.00187	7.1088	.00078	.01555	130.55
#2	.00103	.00761	.04661	3.1861	.00144	7.0882	.00066	.01566	130.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00296**	**.00010**	F **9.678**	**.00025**	**.00062**	**.50677**	**.00002**	**.16125**	**.00028**
Stddev	.00009	.00118	.003	.00079	.00237	.00704	.00015	.00065	.00001
%RSD	3.1645	1164.1	.0264	318.29	383.79	1.3883	822.26	.40004	2.1605
#1	.00302	-.00073	9.676	-.00031	-.00106	.50180	.00012	.16079	.00028
#2	.00289	.00093	9.680	.00081	.00229	.51175	-.00009	.16170	.00029
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00109**	**-.00000**	**.01993**
Stddev	.00118	.00008	.00017
%RSD	108.81	2184.4	.83184
#1	-.00193	.00005	.01981
#2	-.00025	-.00006	.02005
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2077.2**	**5650.9**	**80653.**	**10296.**
Stddev	1.4	23.5	79.	58.
%RSD	.06760	.41617	.09843	.56168
#1	2076.2	5667.5	80597.	10255.
#2	2078.2	5634.2	80709.	10337.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.429%	96.132%	97.731%	104.75%
Range				

Sample Name: 480-59392-a-1-a Acquired: 5/9/2014 2:15:51 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.04758**	**.00137**	**.43764**	**.03561**	**-.00007**	**70.646**	**.00020**	**.00031**
Stddev	.00042	.01017	.00094	.00112	.00002	.00005	.251	.00006	.00016
%RSD	124.38	21.382	68.886	.25480	.06556	72.148	.35528	29.598	49.849
#1	-.00064	.04039	.00070	.43843	.03559	-.00011	70.823	.00016	.00020
#2	-.00004	.05478	.00203	.43685	.03562	-.00003	70.468	.00025	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00697**	**.12863**	**7.3871**	**.01477**	**23.214**	**.07742**	**.01227**	**133.03**
Stddev	.00011	.00025	.00070	.0074	.00013	.064	.00036	.00012	.20
%RSD	21.462	3.5211	.54405	.10053	.90287	.27362	.46775	.99519	.14754
#1	.00058	.00680	.12913	7.3819	.01467	23.259	.07768	.01236	132.89
#2	.00042	.00715	.12814	7.3924	.01486	23.169	.07717	.01219	133.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00241**	**.00099**	F **48.99**	**.00040**	**.00108**	**2.7835**	**-.00033**	**.75418**	**.00107**
Stddev	.00028	.00123	.33	.00059	.00212	.0142	.00001	.00289	.00034
%RSD	11.568	124.02	.6689	148.39	196.11	.51153	3.3152	.38260	31.887
#1	.00260	.00185	49.22	-.00002	.00258	2.7936	-.00033	.75214	.00131
#2	.00221	.00012	48.76	.00082	-.00042	2.7734	-.00032	.75622	.00083
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.00025**	**.00066**	**.02969**
Stddev	.00011	.00018	.00021
%RSD	42.558	28.093	.71251
#1	.00018	.00053	.02984
#2	.00033	.00079	.02954
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2034.9**	**5569.8**	**79898.**	**10324.**
Stddev	.5	8.3	41.	23.
%RSD	.02313	.14990	.05091	.21960
#1	2035.3	5563.9	79927.	10308.
#2	2034.6	5575.7	79869.	10340.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.568%	94.752%	96.816%	105.04%
Range				

Sample Name: 480-59393-k-1-a Acquired: 5/9/2014 2:18:38 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.42276**	**.00014**	**.04179**	**.02202**	**-.00011**	**45.537**	**.00046**	**.00195**
Stddev	.00032	.00773	.00231	.00006	.00014	.00001	.195	.00003	.00010
%RSD	222.43	1.8282	1600.4	.13240	.65298	7.2775	.42829	6.7637	4.8999
#1	-.00008	.42822	.00177	.04176	.02192	-.00012	45.399	.00044	.00189
#2	.00037	.41729	-.00149	.04183	.02212	-.00011	45.675	.00049	.00202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00242**	**.33070**	**7.0304**	**.00384**	**11.830**	**.01898**	**.00804**	**229.52**
Stddev	.00031	.00017	.00510	.0459	.00059	.009	.00009	.00013	.31
%RSD	40.586	6.8833	1.5411	.65257	15.279	.07657	.48414	1.6450	.13488
#1	.00098	.00230	.32710	7.0628	.00426	11.823	.01904	.00794	229.74
#2	.00054	.00254	.33431	6.9979	.00343	11.836	.01891	.00813	229.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00381**	**-.00064**	F **21.12**	**-.00032**	**.00094**	**.75894**	**.00011**	**.22876**	**.00581**
Stddev	.00007	.00066	.04	.00250	.00362	.02793	.00020	.00010	.00037
%RSD	1.7736	103.18	.2132	777.88	383.31	3.6797	192.13	.04208	6.4272
#1	.00376	-.00017	21.09	.00145	-.00161	.73919	.00025	.22869	.00554
#2	.00386	-.00110	21.15	-.00209	.00350	.77869	-.00004	.22883	.00607
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00121**	**.00094**	**.00921**
Stddev	.00060	.00007	.00057
%RSD	49.214	6.9888	6.2204
#1	-.00163	.00099	.00880
#2	-.00079	.00089	.00961
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2006.6**	**5543.7**	**79736.**	**10422.**
Stddev	2.6	8.7	102.	73.
%RSD	.12717	.15739	.12786	.70380
#1	2008.4	5549.9	79808.	10474.
#2	2004.8	5537.6	79664.	10370.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.324%	94.309%	96.619%	106.03%
Range				

Sample Name: 480-59397-e-1-a Acquired: 5/9/2014 2:21:31 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.60996**	**.00262**	**.19939**	**.16618**	**-.00003**	**131.29**	**.00193**	**.00749**
Stddev	.00031	.00628	.00064	.00044	.00005	.00005	.73	.00006	.00008
%RSD	76.098	1.0293	24.391	.21896	.03266	136.57	.55583	2.9130	1.0294
#1	.00019	.60552	.00308	.19969	.16615	-.00007	130.77	.00197	.00755
#2	.00063	.61439	.00217	.19908	.16622	-.00000	131.81	.00189	.00744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00607**	**.14101**	**.29706**	**15.274**	**.25930**	**36.540**	**.01175**	**.04079**	**1522.5**
Stddev	.00008	.00038	.00173	.105	.00116	.047	.00008	.00009	.8
%RSD	1.3697	.26723	.58390	.68974	.44779	.12975	.67138	.22266	.05028
#1	.00613	.14128	.29584	15.199	.25847	36.573	.01180	.04086	1523.0
#2	.00601	.14075	.29829	15.348	.26012	36.506	.01169	.04073	1521.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00889**	**.00632**	F **12.78**	**.01377**	**-.00130**	**12.807**	**.01132**	**.77181**	**.00397**
Stddev	.00026	.00050	.09	.00068	.00134	.040	.00031	.00340	.00008
%RSD	2.9322	7.8707	.6923	4.9214	103.19	.30873	2.7175	.43999	1.8896
#1	.00871	.00597	12.84	.01329	-.00035	12.779	.01153	.77421	.00402
#2	.00908	.00667	12.72	.01425	-.00224	12.835	.01110	.76941	.00392
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00390**	**.00122**	**.10065**
Stddev	.00074	.00011	.00046
%RSD	18.865	8.9059	.45354
#1	-.00338	.00130	.10098
#2	-.00443	.00114	.10033
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1686.0**	**5058.9**	**71220.**	**10385.**
Stddev	.6	4.8	101.	52.
%RSD	.03395	.09390	.14121	.50372
#1	1686.4	5055.6	71149.	10422.
#2	1685.5	5062.3	71291.	10348.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	74.208%	86.062%	86.300%	105.66%
Range				

Sample Name: 480-59397-e-1-b ms Acquired: 5/9/2014 2:24:22 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05472**	**11.011**	**.22040**	**.39302**	**.35214**	**.19964**	**139.17**	**.21374**	**.21603**
Stddev	.00067	.113	.00034	.00348	.00068	.00031	.50	.00079	.00113
%RSD	1.2191	1.0292	.15440	.88593	.19202	.15326	.36080	.36843	.52511
#1	.05425	11.092	.22016	.39056	.35166	.19942	139.53	.21318	.21683
#2	.05520	10.931	.22064	.39549	.35261	.19985	138.82	.21429	.21523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20116**	**.34914**	**10.023**	**26.370**	**.47055**	**46.369**	**.20809**	**.22970**	**1529.0**
Stddev	.00025	.00068	.034	.160	.00339	.142	.00018	.00017	3.7
%RSD	.12668	.19358	.34176	.60619	.71958	.30692	.08752	.07317	.24118
#1	.20134	.34962	9.9984	26.483	.47295	46.469	.20822	.22958	1531.6
#2	.20098	.34866	10.047	26.257	.46816	46.268	.20796	.22982	1526.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21276**	**.20858**	F **23.72**	**.22846**	**.21635**	**22.784**	**.20803**	**.97399**	**.19041**
Stddev	.00122	.00080	.04	.00107	.00256	.097	.00132	.00020	.00061
%RSD	.57159	.38516	.1533	.46734	1.1836	.42724	.63439	.02021	.32121
#1	.21362	.20915	23.69	.22771	.21454	22.853	.20896	.97385	.18997
#2	.21190	.20801	23.74	.22922	.21816	22.715	.20710	.97412	.19084
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.19629**	**.19739**	**.29556**
Stddev	.00125	.00018	.00134
%RSD	.63430	.08918	.45212
#1	.19717	.19726	.29650
#2	.19541	.19751	.29461
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1688.6**	**5178.0**	**71795.**	**10430.**
Stddev	7.3	54.9	35.	28.
%RSD	.43454	1.0609	.04888	.26484
#1	1693.8	5216.9	71820.	10410.
#2	1683.4	5139.2	71770.	10449.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	74.324%	88.087%	86.997%	106.12%
Range				

Sample Name: CCV Acquired: 5/9/2014 2:27:09 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48411**	**24.675**	**.50396**	**.48532**	**.49718**	**.50530**	**23.971**	**.48790**	**.48903**	**.48415**	**.49127**	**24.747**	**24.060**	**.48847**
Stddev	.00148	.060	.00406	.00112	.00101	.00120	.053	.00096	.00010	.00151	.00237	.072	.169	.00376
%RSD	.30659	.24321	.80640	.23045	.20318	.23793	.22317	.19725	.02107	.31138	.48224	.29210	.70257	.76951
#1	.48306	24.633	.50684	.48611	.49646	.50445	23.934	.48858	.48910	.48308	.48960	24.696	23.940	.48581
#2	.48516	24.718	.50109	.48453	.49789	.50615	24.009	.48722	.48896	.48522	.49295	24.798	24.179	.49112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.472**	**.50090**	**.48614**	**23.697**	**.49757**	**.49127**	**25.35**	**.50817**	**.50149**	**23.577**	**.46543**	**.49686**	**.46920**	**.50180**
Stddev	.044	.00104	.00031	.113	.00099	.00066	.09	.00271	.00310	.032	.00019	.00037	.00041	.00168
%RSD	.18059	.20745	.06284	.47820	.19885	.13378	.3663	.53356	.61782	.13688	.04176	.07411	.08634	.33512
#1	24.440	.50017	.48593	23.616	.49687	.49173	25.28	.50626	.50368	23.554	.46529	.49712	.46892	.50061
#2	24.503	.50164	.48636	23.777	.49827	.49080	25.41	.51009	.49930	23.600	.46557	.49660	.46949	.50299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.46987**	**.46520**
Stddev	.00082	.00063
%RSD	.17456	.13521
#1	.46929	.46476
#2	.47045	.46565
Check ?	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	**2129.3**	**5813.9**	**82716.**	**10408.**
Stddev	1.4	11.0	88.	1.
%RSD	.06507	.18882	.10588	.01173
#1	2128.3	5806.1	82778.	10407.
#2	2130.3	5821.7	82655.	10409.

Sample Name: CCB Acquired: 5/9/2014 2:29:47 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00055**	**-.00226**	**.00093**	**.00078**	**.00001**	**-.00008**	**-.00814**	**.00004**	**.00013**	**.00049**	**-.00123**	**-.00224**
Stddev	.00013	.01079	.00123	.00032	.00001	.00000	.00170	.00003	.00003	.00018	.00044	.00252
%RSD	23.297	477.37	132.82	41.491	110.70	.86114	20.843	86.452	23.678	37.019	35.329	112.39
#1	.00046	.00537	.00006	.00101	.00001	-.00008	-.00934	.00006	.00015	.00062	-.00154	-.00402
#2	.00065	-.00989	.00180	.00055	.00000	-.00008	-.00694	.00001	.00011	.00036	-.00092	-.00046
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01154**	**.00047**	**.00455**	**.00005**	**.00011**	**.04375**	**.00008**	**.00052**	**-.0006**	**.00124**	**-.00123**	**.00237**
Stddev	.05864	.00078	.00405	.00002	.00014	.00797	.00013	.00127	.0041	.00039	.00082	.01025
%RSD	508.32	166.89	89.051	38.934	122.70	18.212	156.68	245.25	665.6	31.676	66.666	432.62
#1	.05300	-.00008	.00742	.00004	.00002	.04938	-.00001	-.00038	.0023	.00096	-.00065	.00962
#2	-.02993	.00102	.00169	.00006	.00021	.03811	.00017	.00142	-.0035	.00152	-.00181	-.00488
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00002**	**.00009**	**.00124**	**-.00011**	**-.00020**
Stddev	.00026	.00003	.00005	.00036	.00008	.00004
%RSD	240.99	150.33	57.630	28.656	69.660	18.944
#1	.00029	-.00000	.00013	.00099	-.00006	-.00023
#2	-.00008	.00004	.00005	.00150	-.00017	-.00017
Check ?	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	**2293.1**	**5939.5**	**85887.**	**10596.**
Stddev	1.5	2.5	172.	58.
%RSD	.06467	.04274	.20043	.54564
#1	2294.1	5937.7	85765.	10555.
#2	2292.0	5941.3	86009.	10637.

Sample Name: BLA NK Acquired: 5/9/2014 2:32:40 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00006**	**.01020**	**-.00115**	**.00052**	**.00028**	**-.00004**	**-.00801**	**.00007**	**.00011**	**.00011**	**-.00119**	**-.00293**
Stddev	.00049	.01412	.00035	.00009	.00002	.00005	.00096	.00000	.00012	.00001	.00009	.00141
%RSD	860.34	138.44	30.869	17.734	8.5138	127.77	12.040	6.3373	110.60	5.4690	7.6996	48.102
#1	-.00029	.00022	-.00140	.00059	.00030	-.00000	-.00733	.00007	.00002	.00011	-.00125	-.00193
#2	.00040	.02019	-.00090	.00046	.00027	-.00007	-.00869	.00007	.00019	.00012	-.00112	-.00392
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01601**	**.00130**	**.00224**	**.00008**	**.00017**	**.02390**	**.00016**	**.00025**	**-.0052**	**.00130**	**.00117**	**-.00749**
Stddev	.00122	.00029	.00270	.00000	.00002	.00300	.00013	.00105	.0011	.00103	.00328	.00261
%RSD	7.6089	22.682	120.42	4.6256	11.121	12.559	86.142	423.88	21.41	78.861	280.89	34.821
#1	-.01687	.00109	.00416	.00007	.00019	.02178	.00025	.00099	-.0060	.00058	.00348	-.00934
#2	-.01515	.00150	.00033	.00008	.00016	.02603	.00006	-.00049	-.0045	.00203	-.00115	-.00565
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00000**	**.00012**	**-.00220**	**-.00017**	**.00043**
Stddev	.00046	.00005	.00006	.00136	.00016	.00017
%RSD	232.13	2476.6	50.871	61.651	93.993	39.164
#1	.00013	.00004	.00008	-.00317	-.00006	.00055
#2	-.00053	-.00004	.00017	-.00124	-.00029	.00031
Check ?	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	**2298.7**	**6049.7**	**84368.**	**10199.**
Stddev	1.8	24.5	531.	15.
%RSD	.07805	.40579	.62943	.15141
#1	2297.4	6032.4	83993.	10210.
#2	2299.9	6067.1	84744.	10188.

Sample Name: 480-59397-e-1-c msd Acquired: 5/9/2014 2:35:30 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05666**	**11.305**	**.22229**	**.39550**	**.36585**	**.20522**	**149.32**	**.21684**	**.22214**
Stddev	.00014	.123	.00220	.00004	.00040	.00016	.90	.00018	.00011
%RSD	.24962	1.0843	.98963	.00948	.10966	.07553	.60218	.08085	.05056
#1	.05656	11.392	.22073	.39553	.36557	.20533	149.96	.21672	.22206
#2	.05676	11.218	.22384	.39548	.36613	.20511	148.69	.21696	.22222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20618**	**.35549**	**10.543**	**26.590**	**.46540**	**48.124**	**.21456**	**.23352**	**1574.4**
Stddev	.00069	.00098	.015	.080	.00422	.037	.00030	.00023	3.2
%RSD	.33661	.27505	.13967	.30148	.90660	.07777	.14137	.09655	.20548
#1	.20569	.35480	10.553	26.647	.46839	48.097	.21435	.23336	1576.7
#2	.20667	.35618	10.532	26.534	.46242	48.150	.21478	.23368	1572.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21910**	**.21521**	F **24.31**	**.23135**	**.21629**	**23.891**	**.21439**	**.99856**	**.19567**
Stddev	.00030	.00129	.03	.00028	.00264	.119	.00082	.00157	.00023
%RSD	.13546	.59823	.1131	.11969	1.2218	.49902	.38429	.15684	.11649
#1	.21931	.21430	24.33	.23154	.21816	23.975	.21381	.99745	.19551
#2	.21889	.21612	24.29	.23115	.21443	23.807	.21497	.99967	.19583
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**.20623**	**.20061**	**.30482**
Stddev	.00139	.00027	.00033
%RSD	.67233	.13548	.10743
#1	.20525	.20042	.30505
#2	.20721	.20081	.30459
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1689.8**	**5242.8**	**71671.**	**10014.**
Stddev	3.4	6.2	82.	67.
%RSD	.19890	.11774	.11425	.67120
#1	1692.2	5247.2	71729.	9966.3
#2	1687.4	5238.5	71613.	10061.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	74.378%	89.190%	86.847%	101.88%
Range				

Sample Name: 480-59392-a-2-a Acquired: 5/9/2014 2:38:15 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00590**	**75.321**	**.03550**	**.25850**	**.99025**	**.00140**	**151.74**	**.01199**	**.01423**
Stddev	.00033	.069	.00144	.00028	.00011	.00004	.13	.00005	.00001
%RSD	5.6522	.09106	4.0705	.10794	.01154	3.0329	.08571	.44543	.08888
#1	.00566	75.370	.03652	.25870	.99017	.00137	151.83	.01195	.01423
#2	.00614	75.273	.03447	.25830	.99033	.00143	151.65	.01202	.01422
Check ?	Chk 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	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08812**	**.81612**	**61.063**	**38.242**	**.04397**	**43.534**	**.79592**	**.01135**	**60.900**
Stddev	.00003	.00127	.066	.079	.00131	.084	.00237	.00010	.029
%RSD	.03755	.15559	.10748	.20535	2.9827	.19276	.29831	.89613	.04806
#1	.08809	.81702	61.017	38.297	.04490	43.474	.79424	.01143	60.921
#2	.08814	.81522	61.109	38.186	.04304	43.593	.79760	.01128	60.879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06522**	**.11803**	F **34.26**	**.02264**	**.01719**	**42.672**	**.03992**	**1.3641**	**.47387**
Stddev	.00036	.00155	.06	.00106	.00283	.039	.00042	.0006	.00591
%RSD	.54544	1.3166	.1685	4.6653	16.438	.09084	1.0618	.04560	1.2466
#1	.06547	.11693	34.30	.02189	.01918	42.699	.04022	1.3645	.46970
#2	.06497	.11913	34.22	.02338	.01519	42.644	.03963	1.3637	.47805
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00563**	**.05564**	**1.8416**
Stddev	.00060	.00058	.0137
%RSD	10.598	1.0371	.74577
#1	-.00521	.05523	1.8319
#2	-.00605	.05605	1.8513
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1985.8**	**5684.6**	**79996.**	**10141.**
Stddev	.2	3.5	238.	1.
%RSD	.00960	.06193	.29694	.00836
#1	1985.9	5682.1	80164.	10141.
#2	1985.6	5687.1	79828.	10140.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.405%	96.705%	96.935%	103.17%
Range				

Sample Name: 480-59385-d-1-a Acquired: 5/9/2014 2:41:02 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.40449**	**.05183**	F **18.142**	**.17857**	**-.00010**	**371.75**	**.00094**	**.02429**
Stddev	.00108	.00345	.00216	.008	.00009	.00002	1.75	.00005	.00017
%RSD	378.52	.85288	4.1756	.04186	.05237	22.966	.47114	5.7880	.70572
#1	-.00105	.40693	.05030	18.147	.17851	-.00012	370.52	.00097	.02441
#2	.00048	.40205	.05336	18.136	.17864	-.00009	372.99	.00090	.02417
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	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19757**	**.01097**	**50.054**	**534.56**	**.27979**	**329.05**	**1.7879**	**.01770**	**1422.9**
Stddev	.00146	.00017	.046	1.67	.00088	.77	.0085	.00010	1.6
%RSD	.74064	1.5907	.09135	.31297	.31522	.23385	.47692	.55573	.11357
#1	.19654	.01085	50.086	535.74	.28041	328.51	1.7819	.01763	1424.0
#2	.19861	.01109	50.022	533.38	.27916	329.60	1.7940	.01777	1421.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21899**	**.00657**	F **80.67**	**.01852**	**.00737**	**17.650**	**.01234**	**2.1234**	**.09716**
Stddev	.00012	.00034	.23	.00139	.00010	.118	.00071	.0024	.00061
%RSD	.05578	5.1579	.2793	7.4804	1.3402	.66705	5.7278	.11260	.62899
#1	.21891	.00633	80.51	.01950	.00730	17.733	.01184	2.1251	.09673
#2	.21908	.00681	80.83	.01754	.00744	17.567	.01284	2.1217	.09760
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00619**	**.05766**	**.45581**
Stddev	.00023	.00028	.00310
%RSD	3.7814	.49320	.67976
#1	-.00602	.05746	.45362
#2	-.00635	.05786	.45800
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1586.6**	**4830.0**	**68368.**	**10021.**
Stddev	.5	6.1	56.	32.
%RSD	.03332	.12651	.08135	.31682
#1	1586.3	4825.7	68408.	9998.2
#2	1587.0	4834.3	68329.	10043.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	69.837%	82.167%	82.845%	101.95%
Range				

Sample Name: 480-59385-d-2-a Acquired: 5/9/2014 2:44:01 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.12505**	**.07226**	F **17.341**	**.25108**	**-.00010**	**100.61**	**.00009**	**.02936**
Stddev	.00019	.00166	.00132	.034	.00042	.00000	.18	.00021	.00017
%RSD	103.26	1.3283	1.8219	.19559	.16540	1.7072	.17775	241.91	.56867
#1	.00031	.12622	.07133	17.317	.25079	-.00010	100.74	-.00006	.02924
#2	.00005	.12387	.07319	17.365	.25137	-.00010	100.49	.00024	.02948
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	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06468**	**.00429**	**1.5801**	**353.42**	**.90984**	**173.05**	**.08108**	**.00721**	**1717.6**
Stddev	.00101	.00004	.0039	.70	.00568	.09	.00001	.00025	.4
%RSD	1.5666	.85368	.24748	.19824	.62445	.05399	.01535	3.4089	.02288
#1	.06540	.00427	1.5829	352.93	.90582	172.98	.08109	.00738	1717.3
#2	.06396	.00432	1.5774	353.92	.91385	173.11	.08107	.00704	1717.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13438**	**-.00039**	F **198.7**	**.00288**	**.00512**	**26.797**	**.00648**	**1.2108**	**.08260**
Stddev	.00006	.00106	.4	.00090	.00087	.047	.00037	.0002	.00089
%RSD	.04512	270.52	.2209	31.213	17.074	.17421	5.7000	.01452	1.0811
#1	.13434	.00036	198.4	.00351	.00573	26.764	.00675	1.2110	.08323
#2	.13442	-.00114	199.0	.00224	.00450	26.830	.00622	1.2107	.08197
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00345**	**.22019**	**.01313**
Stddev	.00012	.00013	.00087
%RSD	3.3637	.05749	6.6018
#1	-.00337	.22010	.01374
#2	-.00353	.22028	.01251
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1643.7**	**5048.2**	**69333.**	**10027.**
Stddev	4.0	16.2	64.	11.
%RSD	.24473	.32186	.09194	.11213
#1	1646.5	5059.7	69378.	10019.
#2	1640.8	5036.8	69288.	10035.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	72.348%	85.880%	84.014%	102.02%
Range				

Sample Name: 480-59385-d-3-a Acquired: 5/9/2014 2:46:52 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**.09594**	**.59254**	F **18.985**	**.23796**	**-.00029**	**79.028**	F **-.00139**	**.02593**
Stddev	.00022	.00351	.00101	.065	.00029	.00000	.108	.00006	.00016
%RSD	46.142	3.6598	.17046	.34421	.12137	1.3423	.13719	4.3851	.60451
#1	-.00065	.09346	.59325	19.032	.23776	-.00029	78.951	-.00143	.02604
#2	-.00033	.09842	.59182	18.939	.23817	-.00030	79.105	-.00135	.02582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				13.500				4.5000	
Low Limit				-.02000				-.00100	

Elem	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15155**	**.00254**	**.47853**	**496.46**	**.47167**	**204.54**	**.08233**	**.01640**	**2053.9**
Stddev	.00032	.00023	.00351	2.02	.00245	.42	.00008	.00030	3.9
%RSD	.21413	9.1384	.73450	.40727	.51976	.20732	.10231	1.8292	.19084
#1	.15132	.00238	.47605	495.03	.46994	204.24	.08227	.01661	2051.2
#2	.15178	.00271	.48102	497.89	.47341	204.84	.08239	.01619	2056.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13357**	**.00109**	F **254.7**	**.15028**	**.00257**	**38.177**	**.00899**	**1.2046**	**.17996**
Stddev	.00081	.00024	.8	.00033	.00154	.125	.00022	.0018	.00022
%RSD	.60804	22.022	.2952	.22214	59.837	.32805	2.4230	.14706	.12233
#1	.13415	.00092	255.2	.15052	.00366	38.088	.00884	1.2058	.18012
#2	.13300	.00126	254.2	.15005	.00148	38.265	.00915	1.2033	.17981
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.000						
Low Limit			-.2000						

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00448**	**.73047**	**.00643**
Stddev	.00235	.00125	.00044
%RSD	52.419	.17147	6.7653
#1	-.00613	.73135	.00613
#2	-.00282	.72958	.00674
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1602.3**	**4922.5**	**67728.**	**10064.**
Stddev	3.3	8.1	28.	13.
%RSD	.20328	.16446	.04194	.12452
#1	1600.0	4916.8	67748.	10073.
#2	1604.6	4928.2	67708.	10055.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	70.525%	83.740%	82.069%	102.39%
Range				

Sample Name: BLANK Acquired: 5/9/2014 2:49:41 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00375**	**-.00142**	**.03199**	**.00027**	**-.00008**	**-.00486**	**.00005**	**.00007**
Stddev	.00001	.00987	.00081	.00294	.00001	.00001	.00139	.00007	.00004
%RSD	6.3860	263.00	57.197	9.1843	3.7446	17.310	28.713	159.49	55.769
#1	-.00017	-.00323	-.00085	.03407	.00027	-.00007	-.00387	-.00001	.00004
#2	-.00018	.01073	-.00200	.02991	.00028	-.00008	-.00584	.00010	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**-.00115**	**-.00792**	**.24630**	**.00015**	**.00673**	**.00007**	**-.00004**	**.30744**
Stddev	.00009	.00052	.00447	.00366	.00046	.00181	.00002	.00009	.01352
%RSD	44.999	44.868	56.406	1.4860	319.03	26.981	22.414	209.63	4.3989
#1	-.00013	-.00152	-.00476	.24889	-.00018	.00544	.00006	-.00010	.31700
#2	-.00025	-.00079	-.01108	.24371	.00047	.00801	.00008	.00002	.29788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00061**	**.0109**	**.00152**	**.00260**	**.40270**	**.00016**	**.00013**	**.00029**
Stddev	.00011	.00057	.0033	.00122	.00084	.02474	.00018	.00012	.00021
%RSD	172.87	93.984	29.93	80.167	32.456	6.1437	112.74	94.246	69.643
#1	-.00015	-.00101	.0086	.00066	.00200	.42019	.00029	.00022	.00015
#2	.00001	-.00020	.0132	.00238	.00319	.38520	.00003	.00004	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00255**	**-.00004**	**.00010**
Stddev	.00010	.00016	.00027
%RSD	3.9416	434.53	270.09
#1	-.00262	.00008	-.00009
#2	-.00248	-.00015	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2296.0**	**6057.0**	**84368.**	**10006.**
Stddev	.0	7.6	250.	10.
%RSD	.00163	.12472	.29657	.09749
#1	2296.0	6051.7	84545.	10013.
#2	2296.0	6062.4	84191.	9999.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.06%	103.04%	102.23%	101.80%
Range				

Sample Name: BLANK Acquired: 5/9/2014 2:52:32 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00053**	**.00045**	**.01875**	**.00027**	**-.00011**	**-.00490**	**-.00001**	**.00006**
Stddev	.00037	.01973	.00211	.00094	.00001	.00002	.00017	.00006	.00009
%RSD	2649.4	3712.3	466.89	5.0327	5.4463	20.066	3.5497	503.96	152.86
#1	-.00028	-.01448	-.00104	.01942	.00028	-.00012	-.00502	.00003	.00012
#2	.00025	.01342	.00194	.01808	.00026	-.00009	-.00478	-.00006	-.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.00118**	**-.00695**	**.10263**	**.00034**	**.00402**	**.00000**	**-.00004**	**.13110**
Stddev	.00003	.00003	.00101	.03372	.00107	.00087	.00005	.00018	.00287
%RSD	25.794	2.3820	14.555	32.858	315.71	21.692	3159.3	471.51	2.1861
#1	-.00013	-.00116	-.00767	.12647	-.00042	.00463	.00004	-.00016	.13313
#2	-.00009	-.00120	-.00624	.07878	.00110	.00340	-.00004	.00009	.12907
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00026**	**-.0010**	**.00105**	**.00070**	**.13713**	**-.00014**	**-.00003**	**.00040**
Stddev	.00018	.00082	.0014	.00057	.00001	.00367	.00018	.00020	.00001
%RSD	85.595	322.93	141.9	54.290	1.4415	2.6782	127.23	701.94	3.7486
#1	-.00033	.00084	-.0019	.00145	.00071	.13973	-.00026	.00011	.00041
#2	-.00008	-.00033	.0000	.00065	.00070	.13454	-.00001	-.00017	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00170**	**-.00008**	**.00020**
Stddev	.00010	.00012	.00054
%RSD	5.9508	162.93	271.42
#1	-.00163	.00001	.00058
#2	-.00177	-.00016	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2290.3**	**6034.0**	**83916.**	**9977.3**
Stddev	3.1	9.0	232.	21.7
%RSD	.13393	.14961	.27650	.21756
#1	2292.5	6040.4	84080.	9992.6
#2	2288.2	6027.6	83752.	9961.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.81%	102.65%	101.68%	101.51%
Range				

Sample Name: BLANK Acquired: 5/9/2014 2:55:22 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00204**	**-.00081**	**.01271**	**.00026**	**-.00014**	**-.00876**	**-.00000**	**.00012**
Stddev	.00030	.01699	.00148	.00139	.00001	.00000	.00121	.00006	.00002
%RSD	123.98	833.86	182.71	10.941	3.7856	.01918	13.804	3612.9	13.352
#1	-.00045	.01406	-.00186	.01369	.00027	-.00014	-.00790	.00004	.00011
#2	-.00003	-.00998	.00024	.01172	.00026	-.00014	-.00961	-.00005	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00109**	**-.00453**	**.05842**	**.00054**	**.00132**	**.00006**	**-.00012**	**.07022**
Stddev	.00008	.00015	.00193	.00142	.00059	.00081	.00007	.00025	.00756
%RSD	258.80	14.191	42.600	2.4338	109.50	61.296	112.69	208.45	10.770
#1	-.00003	-.00119	-.00317	.05942	.00012	.00075	.00001	-.00029	.06487
#2	.00009	-.00098	-.00590	.05741	.00095	.00189	.00011	.00006	.07556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00064**	**-.0004**	**.00173**	**-.00005**	**.07988**	**-.00010**	**.00016**	**.00013**
Stddev	.00014	.00136	.0029	.00044	.00150	.00602	.00004	.00004	.00032
%RSD	232.85	213.97	661.5	25.612	2869.1	7.5359	40.750	26.207	245.69
#1	-.00004	.00033	.0016	.00205	.00101	.08413	-.00013	.00019	-.00010
#2	.00016	-.00160	-.0025	.00142	-.00111	.07562	-.00007	.00013	.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00232**	**.00007**	**-.00013**
Stddev	.00094	.00009	.00061
%RSD	40.375	138.95	454.93
#1	-.00166	.00000	-.00057
#2	-.00298	.00014	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2294.1**	**6052.2**	**83985.**	**9974.2**
Stddev	1.0	2.7	107.	8.7
%RSD	.04224	.04542	.12751	.08684
#1	2294.8	6054.1	84061.	9980.4
#2	2293.4	6050.2	83909.	9968.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.98%	102.96%	101.77%	101.48%
Range				

Sample Name: BLANK Acquired: 5/9/2014 2:58:12 Type: Unk
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.01250**	**-.00112**	**.00909**	**.00031**	**-.00008**	**-.00824**	**-.00003**	**.00015**
Stddev	.00050	.01368	.00187	.00063	.00002	.00005	.00213	.00005	.00006
%RSD	259.57	109.45	167.41	6.9042	5.9640	59.339	25.803	199.14	37.176
#1	.00055	-.00283	.00021	.00953	.00032	-.00005	-.00674	-.00006	.00011
#2	-.00016	-.02218	-.00244	.00865	.00029	-.00011	-.00975	.00001	.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	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00092**	**-.00301**	**.05714**	**-.00010**	**.00434**	**.00009**	**.00016**	**.04216**
Stddev	.00034	.00010	.00124	.00587	.00025	.00042	.00001	.00007	.00546
%RSD	375.89	11.149	41.076	10.271	250.43	9.7471	5.9465	41.347	12.942
#1	-.00015	-.00099	-.00213	.05299	-.00027	.00464	.00009	.00021	.04602
#2	.00034	-.00084	-.00388	.06129	.00008	.00404	.00009	.00011	.03830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349
Line	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00027**	**-.0031**	**.00119**	**-.00102**	**.05589**	**-.00001**	**.00016**	**-.00024**
Stddev	.00010	.00051	.0016	.00070	.00235	.01232	.00028	.00018	.00022
%RSD	152.65	192.49	52.89	59.080	229.29	22.042	2137.0	106.95	91.594
#1	-.00000	-.00010	-.0019	.00169	.00064	.06460	.00019	.00004	-.00039
#2	.00013	.00063	-.0043	.00069	-.00268	.04718	-.00021	.00029	-.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	Tl1908	V_2924	Zn2062
Line	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm
Avg	**-.00112**	**-.00011**	**.00011**
Stddev	.00031	.00025	.00039
%RSD	27.470	228.74	350.38
#1	-.00134	.00007	.00039
#2	-.00090	-.00028	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2309.4**	**6089.8**	**84538.**	**10088.**
Stddev	2.6	6.1	480.	31.
%RSD	.11257	.10034	.56837	.30325
#1	2307.5	6085.5	84877.	10110.
#2	2311.2	6094.2	84198.	10067.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.65%	103.60%	102.44%	102.64%
Range				

Sample Name: CCV Acquired: 5/9/2014 3:01:05 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49139**	**24.887**	**.50160**	**.48635**	**.49503**	**.50968**	**25.118**	**.48972**	**.49597**	**.49698**	**.48616**	**25.328**	**24.195**	**.48016**
Stddev	.00080	.084	.00161	.00068	.00036	.00031	.002	.00057	.00107	.00263	.00350	.045	.010	.00085
%RSD	.16238	.33750	.32152	.14031	.07248	.06141	.00863	.11722	.21538	.52917	.71958	.17721	.04013	.17603
#1	.49082	24.946	.50274	.48586	.49477	.50946	25.120	.48931	.49673	.49512	.48369	25.296	24.202	.47956
#2	.49195	24.827	.50046	.48683	.49528	.50990	25.116	.49012	.49522	.49884	.48864	25.360	24.188	.48075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.328**	**.51531**	**.48498**	**23.465**	**.50725**	**.50235**	**25.48**	**.50764**	**.49083**	**24.344**	**.47447**	**.49453**	**.47655**	**.51356**
Stddev	.067	.00168	.00106	.028	.00011	.00048	.11	.00351	.00135	.029	.00157	.00157	.00026	.00166
%RSD	.26500	.32641	.21901	.11781	.02083	.09653	.4200	.69094	.27568	.11860	.33108	.31746	.05368	.32288
#1	25.281	.51412	.48423	23.446	.50717	.50269	25.41	.50516	.49178	24.323	.47558	.49342	.47637	.51474
#2	25.375	.51650	.48573	23.485	.50732	.50201	25.56	.51012	.48987	24.364	.47335	.49564	.47673	.51239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.47849**	**.50260**
Stddev	.00039	.00135
%RSD	.08192	.26880
#1	.47821	.50164
#2	.47877	.50355
Check ?	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	**2137.1**	**5906.3**	**82115.**	**9997.3**
Stddev	2.1	15.3	331.	2.6
%RSD	.09704	.25866	.40320	.02554
#1	2138.6	5917.1	82350.	9999.1
#2	2135.6	5895.5	81881.	9995.5

Sample Name: CCB Acquired: 5/9/2014 3:03:43 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00034**	**.01330**	**-.00103**	**.00638**	**.00003**	**-.00014**	**-.00648**	**-.00006**	**.00009**	**.00008**	**-.00117**	**-.00267**
Stddev	.00029	.01355	.00070	.00006	.00001	.00008	.00252	.00004	.00003	.00026	.00010	.00072
%RSD	85.503	101.88	67.860	.97707	39.930	60.259	38.929	77.604	33.269	327.76	8.7444	26.894
#1	.00013	.02288	-.00054	.00633	.00004	-.00008	-.00470	-.00003	.00012	-.00010	-.00109	-.00216
#2	.00054	.00372	-.00153	.00642	.00002	-.00020	-.00827	-.00009	.00007	.00026	-.00124	-.00318
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02203**	**-.00093**	**.00171**	**.00006**	**.00007**	**.02306**	**.00003**	**-.00043**	**-.0011**	**-.00011**	**.00036**	**.06098**
Stddev	.01654	.00028	.00138	.00001	.00000	.00006	.00048	.00001	.0059	.00083	.00027	.00015
%RSD	75.101	29.602	80.481	10.891	6.0452	.24239	1570.2	2.6778	543.9	747.50	76.663	.24400
#1	.03372	-.00112	.00269	.00007	.00008	.02302	-.00031	-.00043	-.0053	.00048	.00055	.06109
#2	.01033	-.00073	.00074	.00006	.00007	.02310	.00037	-.00042	.0031	-.00070	.00016	.06088
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00009**	**.00026**	**-.00310**	**-.00020**	**.00032**
Stddev	.00020	.00007	.00003	.00138	.00020	.00010
%RSD	120.83	72.552	11.434	44.464	96.850	30.920
#1	-.00030	.00014	.00028	-.00213	-.00034	.00039
#2	-.00002	.00004	.00024	-.00408	-.00006	.00025
Check ?	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	**2298.9**	**6026.7**	**85444.**	**10238.**
Stddev	.6	30.5	52.	13.
%RSD	.02546	.50605	.06120	.12704
#1	2299.3	6048.2	85407.	10228.
#2	2298.5	6005.1	85481.	10247.

Sample Name: CCVL Acquired: 5/9/2014 3:06:35 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss 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	**.00594**	**.18968**	**.01493**	**.02316**	**.00225**	**.00190**	**.47581**	**.00188**	**.00391**	**.00424**	**.00827**	**.04679**
Stddev	.00096	.01267	.00079	.00031	.00003	.00000	.00493	.00007	.00013	.00003	.00003	.00396
%RSD	16.210	6.6775	5.2861	1.3437	1.2009	.08628	1.0352	3.6323	3.4158	.68143	.34945	8.4621
#1	.00526	.19863	.01549	.02338	.00227	.00190	.47233	.00192	.00400	.00422	.00825	.04399
#2	.00662	.18072	.01437	.02294	.00223	.00190	.47930	.00183	.00381	.00426	.00829	.04959
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47654**	**.02767**	**.19640**	**.00288**	**.00955**	**.90193**	**.00935**	**.00975**	**.1985**	**.02061**	**.02316**	**.50088**
Stddev	.00091	.00115	.00070	.00007	.00000	.00210	.00020	.00010	.0007	.00012	.00177	.00823
%RSD	.19099	4.1680	.35422	2.3079	.01496	.23294	2.1785	1.0509	.3482	.57408	7.6402	1.6424
#1	.47718	.02849	.19591	.00293	.00955	.90045	.00950	.00983	.1990	.02052	.02441	.50670
#2	.47589	.02686	.19689	.00284	.00955	.90342	.00921	.00968	.1980	.02069	.02191	.49506
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00881**	**.00483**	**.00479**	**.01780**	**.00473**	**.00931**
Stddev	.00018	.00002	.00037	.00006	.00010	.00015
%RSD	2.0487	.34575	7.7318	.35773	2.1439	1.6133
#1	.00868	.00484	.00453	.01775	.00465	.00942
#2	.00893	.00482	.00505	.01784	.00480	.00921
Check ?	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	**2304.4**	**6059.1**	**84139.**	**10122.**
Stddev	2.8	18.8	278.	25.
%RSD	.11977	.31104	.33005	.25059
#1	2306.3	6072.4	83942.	10140.
#2	2302.4	6045.7	84335.	10104.

Sample Name: CCV Acquired: 5/9/2014 3:09:27 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48885**	**24.805**	**.50274**	**.48683**	**.49785**	**.50517**	**24.349**	**.48656**	**.49015**	**.49223**	**.49551**	**24.918**	**24.223**	**.48649**
Stddev	.00097	.047	.00223	.00179	.00144	.00050	.062	.00051	.00012	.00044	.00200	.031	.087	.00160
%RSD	.19834	.18767	.44294	.36715	.29024	.09867	.25592	.10479	.02432	.09014	.40371	.12522	.35935	.32855
#1	.48953	24.772	.50432	.48809	.49683	.50482	24.305	.48692	.49024	.49254	.49692	24.896	24.161	.48536
#2	.48816	24.838	.50117	.48557	.49887	.50552	24.393	.48620	.49007	.49191	.49410	24.940	24.284	.48762
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.823**	**.50718**	**.48444**	**23.565**	**.49939**	**.49531**	**25.38**	**.50774**	**.49571**	**23.833**	**.46820**	**.49505**	**.47173**	**.50582**
Stddev	.044	.00007	.00093	.041	.00061	.00008	.04	.00017	.00258	.037	.00118	.00091	.00049	.00122
%RSD	.17928	.01357	.19194	.17402	.12205	.01533	.1555	.03320	.52132	.15409	.25158	.18396	.10360	.24213
#1	24.791	.50713	.48510	23.536	.49896	.49537	25.35	.50762	.49754	23.807	.46903	.49441	.47139	.50495
#2	24.854	.50723	.48378	23.594	.49982	.49526	25.41	.50786	.49389	23.859	.46737	.49569	.47208	.50668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	**.47665**	**.48050**
Stddev	.00022	.00124
%RSD	.04594	.25861
#1	.47681	.48138
#2	.47650	.47962
Check ?	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	**2133.3**	**5850.5**	**82096.**	**10277.**
Stddev	1.1	7.3	5.	4.
%RSD	.05104	.12554	.00587	.03692
#1	2134.1	5845.3	82100.	10274.
#2	2132.5	5855.7	82093.	10279.

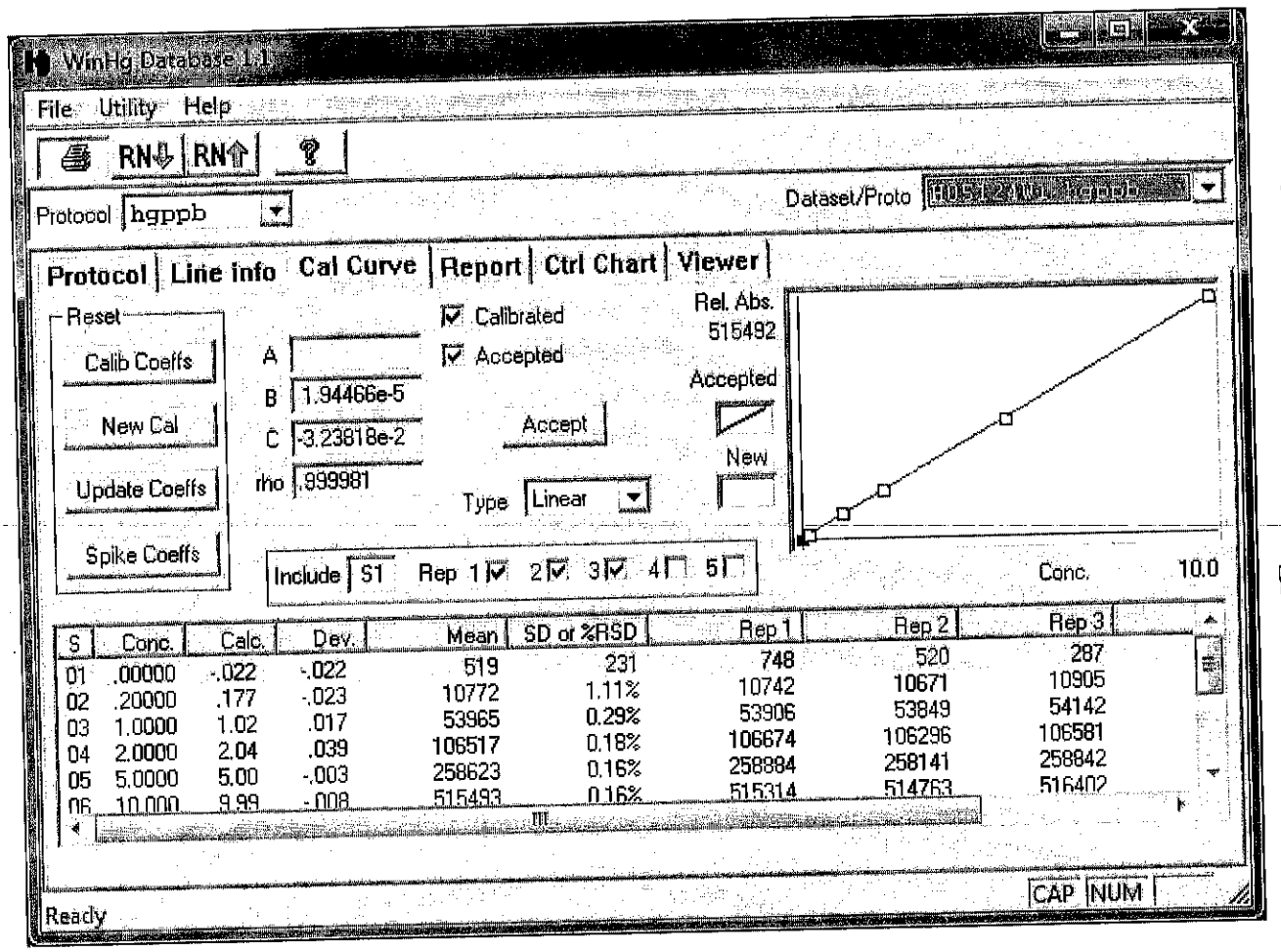
Sample Name: CCB Acquired: 5/9/2014 3:12:05 Type: QC
Method: ICAP 1 MARCH 2014(v15) Mode: CONC Corr. Factor: 1.000000
User: ss Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**.00066**	**.00538**	**-.00135**	**.00357**	**.00002**	**-.00013**	**-.00847**	**-.00003**	**.00006**	**.00038**	**-.00112**	**.00070**
Stddev	.00031	.00298	.00006	.00007	.00001	.00006	.00073	.00002	.00020	.00009	.00018	.00276
%RSD	46.553	55.439	4.6934	2.0679	39.144	49.814	8.6391	58.275	344.97	24.610	15.618	394.23
#1	.00088	.00327	-.00139	.00352	.00003	-.00017	-.00795	-.00004	-.00008	.00044	-.00100	-.00125
#2	.00044	.00748	-.00130	.00362	.00002	-.00008	-.00899	-.00002	.00020	.00031	-.00125	.00265
Check ?	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	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01354**	**.00051**	**.00245**	**.00003**	**.00011**	**.02025**	**.00015**	**.00086**	**-.0029**	**.00161**	**.00084**	**.01696**
Stddev	.02736	.00099	.00091	.00002	.00010	.00822	.00006	.00063	.0028	.00100	.00101	.02889
%RSD	202.06	194.72	36.893	60.248	88.130	40.582	41.378	73.270	95.57	62.074	120.06	170.39
#1	.00581	.00121	.00181	.00005	.00018	.01444	.00019	.00131	-.0009	.00231	.00013	-.00347
#2	-.03288	-.00019	.00309	.00002	.00004	.02606	.00011	.00042	-.0049	.00090	.00156	.03738
Check ?	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	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00005**	**.00004**	**-.00184**	**-.00025**	**-.00003**
Stddev	.00029	.00002	.00020	.00166	.00006	.00044
%RSD	13890.	45.194	547.17	90.388	22.767	1268.6
#1	-.00020	.00006	.00018	-.00302	-.00021	.00028
#2	.00021	.00003	-.00011	-.00066	-.00029	-.00034
Check ?	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	**2298.8**	**5992.1**	**85420.**	**10362.**
Stddev	.4	2.5	558.	31.
%RSD	.01839	.04094	.65277	.29900
#1	2298.5	5993.8	85814.	10341.
#2	2299.1	5990.3	85026.	10384.



L2
5/12/14

18|429

Cal: H05124C1
Run: H05124W1
Batches: 181146, 181209, 181210

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

181429

*** Check Standard: 2 Ck2ICV Seq: 1 11:19:32 12 May 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		96.9	2.91	3.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 2 11:21:08 12 May 14 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.026	.200	ppb	.000

*** Check Standard: 4 Ck4CCVL Seq: 3 11:22:44 12 May 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		92.1	.184	.200	ppb	.000

*** Check Standard: 3 Ck3CCV Seq: 4 11:24:30 12 May 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		96.3	1.93	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 5 11:26:05 12 May 14 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.029	.200	ppb	.000

*** Sample ID: Seq: 6 11:27:43 12 May 14 HG
mb 480-181146/1-a

Hg	-.025	ppb	.000	-.025

*** Sample ID: Seq: 7 11:29:18 12 May 14 HG
lcs 480-181146/2-a

Hg	3.91	ppb	.000	3.91

*** Sample ID: Seq: 8 11:31:04 12 May 14 HG
480-59354-e-1-d

Hg	-.032	ppb	.000	-.032

*** Sample ID: Seq: 9 11:32:41 12 May 14 HG
480-59354-e-2-c

Hg	-.023	ppb	.000	-.023

*** Sample ID: Seq: 10 11:34:17 12 May 14 HG
480-59354-e-3-c

Hg	-.026	ppb	.000	-.026

*** Sample ID: Seq: 11 11:35:54 12 May 14 HG
480-59354-e-4-c

Hg	-.024	ppb	.000	-.024

*** Sample ID: Seq: 12 11:37:29 12 May 14 HG
480-59354-e-5-c

Hg	-.026	ppb	.000	-.026

*** Sample ID: Seq: 13 11:39:09 12 May 14 HG
480-59358-c-1-c

Hg	-.025	ppb	.000	-.025

*** Sample ID: Seq: 14 11:41:00 12 May 14 HG
480-59358-c-2-c

Hg	-.022	ppb	.000	-.022

*** Sample ID: Seq: 15 11:42:40 12 May 14 HG
480-59358-c-3-c

Hg	-.015	ppb	.000	-.015

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 3 Ck3CCV Seq: 16 11:44:17 12 May 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		97.0	1.94	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 17 11:45:52 12 May 14 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.009	.200	ppb	.000

*** Sample ID: Seq: 18 11:47:28 12 May 14 HG
480-59358-c-4-c

Hg	-.016	ppb	.000	-.016

*** Sample ID: Seq: 19 11:49:04 12 May 14 HG
480-59356-d-1-e

Hg	.001	ppb	.000	.001

*** Sample ID: Seq: 20 11:50:38 12 May 14 HG
480-59356-d-2-c

Hg	-.013	ppb	.000	-.013

*** Sample ID: Seq: 21 11:52:13 12 May 14 HG
480-59356-d-3-c

Hg	-.017	ppb	.000	-.017

*** Sample ID: Seq: 22 11:53:59 12 May 14 HG
480-59356-d-4-c

Hg	-.020	ppb	.000	-.020

*** Sample ID: Seq: 23 11:55:38 12 May 14 HG
480-59356-d-5-c

Hg	-.021	ppb	.000	-.021

*** Sample ID: Seq: 24 11:57:24 12 May 14 HG
480-59356-d-6-c

Hg	-.017	ppb	.000	-.017

*** Sample ID: Seq: 25 11:59:15 12 May 14 HG
480-59356-d-7-c

Hg	-.024	ppb	.000	-.024

*** Sample ID: Seq: 26 12:00:51 12 May 14 HG
480-59356-d-8-c

Hg	-.023	ppb	.000	-.023

*** Check Standard: 3 Ck3CCV Seq: 27 12:02:32 12 May 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		97.2	1.94	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 28 12:04:07 12 May 14 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.011	.200	ppb	.000

*** Sample ID: Seq: 29 12:05:44 12 May 14 HG
480-59356-d-8-cSD@5

Hg	-.012	ppb	.000	-.012

*** Sample ID: Seq: 30 12:07:30 12 May 14 HG
480-59356-d-8-d ms

Hg	4.06	ppb	.000	4.06

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 31	12:09:06 12 May 14	HG		
				480-59356-d-8-e msd				
Hg	4.05	ppb	.000	4.05				
*** Sample ID:				Seq: 32	12:10:43 12 May 14	HG		
				480-59375-h-1-b				
Hg	-.029	ppb	.000	-.029				
*** Sample ID:				Seq: 33	12:12:20 12 May 14	HG		
				480-59385-d-1-b				
Hg	-.001	ppb	.000	-.001				
*** Sample ID:				Seq: 34	12:14:19 12 May 14	HG		
				480-59385-d-2-b				
Hg	-.019	ppb	.000	-.019				
*** Sample ID:				Seq: 35	12:15:54 12 May 14	HG		
				mb 480-181209/1-a				
Hg	-.023	ppb	.000	-.023				
*** Sample ID:				Seq: 36	12:17:39 12 May 14	HG		
				lcs 480-181209/2-a				
Hg	3.91	ppb	.000	3.91				
*** Sample ID:				Seq: 37	12:19:17 12 May 14	HG		
				480-59400-f-1-e				
Hg	-.029	ppb	.000	-.029				
*** Sample ID:				Seq: 38	12:20:57 12 May 14	HG		
				480-59400-f-2-c				
Hg	-.032	ppb	.000	-.032				
*** Sample ID:				Seq: 39	12:22:45 12 May 14	HG		
				480-59400-f-3-e				
Hg	-.035	ppb	.000	-.035				
*** Check Standard: 3 Ck3CCV				Seq: 40	12:24:30 12 May 14	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		96.1	1.92	2.00	ppb	.000		
*** Check Standard: 1 Ck1CCB				Seq: 41	12:26:06 12 May 14	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.035	.200	ppb	.000			
*** Sample ID:				Seq: 42	12:28:03 12 May 14	HG		
				480-59400-f-4-c				
Hg	-.029	ppb	.000	-.029				
*** Sample ID:				Seq: 43	12:29:41 12 May 14	HG		
				480-59400-f-5-c				
Hg	-.001	ppb	.000	-.001				
*** Sample ID:				Seq: 44	12:31:27 12 May 14	HG		
				480-59400-f-6-c				
Hg	-.014	ppb	.000	-.014				
*** Sample ID:				Seq: 45	12:33:43 12 May 14	HG		
				480-59400-f-7-c				
Hg	-.033	ppb	.000	-.033				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 46	12:35:20 12 May 14	HG		
				480-59400-f-8-c				
Hg	-.036	ppb	.000	-.036				
*** Sample ID:				Seq: 47	12:36:55 12 May 14	HG		
				480-59400-f-9-c				
Hg	-.034	ppb	.000	-.034				
*** Sample ID:				Seq: 48	12:38:32 12 May 14	HG		
				480-59400-f-10-c				
Hg	-.039	ppb	.000	-.039				
*** Sample ID:				Seq: 49	12:40:09 12 May 14	HG		
				480-59400-f-11-c				
Hg	-.038	ppb	.000	-.038				
*** Sample ID:				Seq: 50	12:41:49 12 May 14	HG		
				480-59400-f-12-c				
Hg	-.054	ppb	.000	-.054				
*** Sample ID:				Seq: 51	12:43:26 12 May 14	HG		
				480-59400-f-13-c				
Hg	.000	ppb	.000	.000				
*** Check Standard: 3 Ck3CCV				Seq: 52	12:45:18 12 May 14	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		96.5	1.93	2.00	ppb	.000		
*** Check Standard: 1 Ck1CCB				Seq: 53	12:47:07 12 May 14	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.030	.200	ppb	.000			
*** Sample ID:				Seq: 54	12:48:55 12 May 14	HG		
				480-59400-f-14-c				
Hg	-.017	ppb	.000	-.017				
*** Sample ID:				Seq: 55	12:50:32 12 May 14	HG		
				480-59400-f-15-c				
Hg	-.025	ppb	.000	-.025				
*** Sample ID:				Seq: 56	12:52:29 12 May 14	HG		
				480-59400-f-16-c				
Hg	-.032	ppb	.000	-.032				
*** Sample ID:				Seq: 57	12:54:15 12 May 14	HG		
				480-59400-f-17-c				
Hg	-.046	ppb	.000	-.046				
*** Sample ID:				Seq: 58	12:55:55 12 May 14	HG		
				480-59400-f-18-c				
Hg	-.020	ppb	.000	-.020				
*** Sample ID:				Seq: 59	12:57:33 12 May 14	HG		
				480-59400-f-19-c				
Hg	-.109	ppb	.000	-.109				
*** Sample ID:				Seq: 60	12:59:09 12 May 14	HG		
				480-59400-f-20-c				
Hg	-.032	ppb	.000	-.032				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 61 13:00:45 12 May 14 HG
480-59400-f-20-cSD@5
Hg -.041 ppb .000 -.041

*** Sample ID: Seq: 62 13:02:24 12 May 14 HG
480-59400-f-20-d ms
Hg 4.09 ppb .000 4.09

*** Sample ID: Seq: 63 13:04:04 12 May 14 HG
480-59400-f-20-e msd
Hg 3.97 ppb .000 3.97

*** Check Standard: 3 Ck3CCV Seq: 64 13:05:42 12 May 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		95.6	1.91	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 65 13:07:17 12 May 14 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.013	.200	ppb	.000

*** Sample ID: Seq: 66 13:08:55 12 May 14 HG
mb ~~480-181146/1-a~~ (1) 480-181210/1-a
Hg -.036 ppb .000 -.036

*** Sample ID: Seq: 67 13:10:42 12 May 14 HG
lcs ~~480-181146/2-a~~ (1) 480-181210/2-a
Hg 4.04 ppb .000 4.04

*** Sample ID: Seq: 68 13:12:28 12 May 14 HG
~~480-59354-e-1-d~~ (1) 480-59446-H-1
Hg -.024 ppb .000 -.024

*** Sample ID: Seq: 69 13:14:17 12 May 14 HG
~~480-59354-e-2-e~~ (1) 480-59446-H-1 ~~MSD~~ SD@5
Hg -.023 ppb .000 -.023

*** Sample ID: Seq: 70 13:16:03 12 May 14 HG
~~480-59354-e-3-e~~ (1) 480-59446-H-1 MS
Hg 4.14 ppb .000 4.14

*** Sample ID: Seq: 71 13:17:40 12 May 14 HG
~~480-59354-e-4-c~~ (1) 480-59446-H-1 MSD
Hg 4.07 ppb .000 4.07

*** Sample ID: Seq: 72 13:19:16 12 May 14 HG
~~480-59354-e-5-c~~ (1) 480-59412-H-1
Hg -.046 ppb .000 -.046

*** Sample ID: Seq: 73 13:20:53 12 May 14 HG
~~480-59358-c-1-c~~ (1) 480-59558-A-2
RR
Hg 21.3 H ppb .000 21.3

*** Sample ID: Seq: 74 13:22:31 12 May 14 HG
~~480-59358-c-2-c~~ (1) 480-59386-J-1
RR straight
Hg -.105 ppb .000 -.105

*** Sample ID: Seq: 75 13:24:09 12 May 14 HG
~~480-59358-c-3-c~~ (1) 480-59411-R-1
Hg -.028 ppb .000 -.028

(1) LK 5/12/14

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 3 Ck3CCV Seq: 76 13:25:46 12 May 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		96.5	1.93	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 77 13:27:26 12 May 14 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.011	.200	ppb	.000

*** Sample ID: Seq: 78 13:29:23 12 May 14 HG
480-~~59358-c-4-e~~ ① 59411-R-2

Hg	-.017	ppb	.000	-.017

*** Sample ID: Seq: 79 13:31:01 12 May 14 HG
480-~~59356-d-1-e~~ ① ~~494424-D-1~~ ① 59424-D-1

Hg	-.035	ppb	.000	-.035

*** Sample ID: Seq: 80 13:32:49 12 May 14 HG
480-~~59356-d-2-e~~ ① ~~494424-D-2~~ ① 59424-D-2

Hg	-.015	ppb	.000	-.015

*** Sample ID: Seq: 81 13:34:28 12 May 14 HG
480-~~59356-d-3-c~~ ① 59424-D-3

Hg	-.016	ppb	.000	-.016

*** Sample ID: Seq: 82 13:36:05 12 May 14 HG
480-~~59356-d-4-c~~ ① 59424-D 4

Hg	-.024	ppb	.000	-.024

*** Sample ID: Seq: 83 13:37:43 12 May 14 HG
480-~~59356-d-5-c~~ ① 59424-D-5

Hg	-.102	ppb	.000	-.102

*** Sample ID: Seq: 84 13:39:21 12 May 14 HG
480-~~59356-d-6-c~~ ① 59424-D-6

Hg	-.018	ppb	.000	-.018

*** Sample ID: Seq: 85 13:40:57 12 May 14 HG
480-~~59356-d-7-c~~ ① 59424-D-7

Hg	-.024	ppb	.000	-.024

*** Sample ID: Seq: 86 13:42:35 12 May 14 HG
480-~~59356-d-8-c~~ ① 59461-C-1

Hg	-.036	ppb	.000	-.036

*** Sample ID: Seq: 87 13:44:12 12 May 14 HG
480-~~59356-d-8-cSD@5~~ ① 59461-D-2

Hg	-.020	ppb	.000	-.020

*** Check Standard: 3 Ck3CCV Seq: 88 13:46:13 12 May 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		96.5	1.93	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 89 13:47:49 12 May 14 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.026	.200	ppb	.000

*** Sample ID: Seq: 90 13:49:30 12 May 14 HG
480-~~59356-d-8-d-ms~~ ① 59461-C-3

Hg	-.033	ppb	.000	-.033

① LK 5/12/14

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 91 13:51:08 12 May 14 HG
480-~~59356-d-8-e msd~~ ① 59461-C-4

Hg	-.028	ppb	.000	-.028	

*** Sample ID: Seq: 92 13:52:47 12 May 14 HG
480-~~59375-h-1-b~~ ① 59309-A-2

Hg	-.022	ppb	.000	-.022	

*** Sample ID: Seq: 93 13:54:26 12 May 14 HG
480-~~59385-d-1-b~~ ① 59596-J-1

Hg	-.026	ppb	.000	-.026	

*** Sample ID: Seq: 94 13:56:05 12 May 14 HG
480-~~59385-d-2-b~~ ① 59596-J-2

Hg	-.019	ppb	.000	-.019	

*** Sample ID: Seq: 96 14:02:42 12 May 14 HG
480-~~59358-c-1-c@10~~ ① 59558-A-2 @ 10

Hg	2.29	ppb	.000	2.29	

*** Sample ID: Seq: 97 14:04:21 12 May 14 HG
480-~~59358-c-2-c~~ ① 59386-J-1

Hg	-.018	ppb	.000	-.018	

*** Check Standard: 3 Ck3CCV Seq: 98 14:05:58 12 May 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		97.0	1.94	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 99 14:07:37 12 May 14 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.019	.200	ppb	.000

*** Check Standard: 4 Ck4CCVL Seq: 100 14:09:25 12 May 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		95.5	.191	.200	ppb	.000

OLK 5/12/14

METALS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Batch Number: 180820 Batch Start Date: 05/08/14 10:00 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 00049	MED_01_W1 00019	MED_02_W2 00019	MED_03_Ag 00052
MB 480-180820/1		3005A, 6010C		50 mL	50 mL				
LCS 480-180820/2		3005A, 6010C		50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	0.25 mL
480-59386-J-1	PT2-1(L)	3005A, 6010C	T	50 mL	50 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	MED_04_Sn 00045	MED_05_S 00011				
MB 480-180820/1		3005A, 6010C							
LCS 480-180820/2		3005A, 6010C		0.25 mL	0.25 mL				
480-59386-J-1	PT2-1(L)	3005A, 6010C	T						

Batch Notes	
First End time	1330
Hydrochloric Acid Reagent ID Number	0000061942
Nitric Acid Reagent ID Number	0000067379
Hood ID or number	E
Oven, Bath or Block Temperature 1	95.7
Oven, Bath or Block Temperature 2	97.1
Pipette ID	MDL-3
First Start time	1000
ID number of the thermometer	130570431
Digestion Tube/Cup Lot #	1309271
Uncorrected Temperature	95.8 Celsius
Uncorrected Temperature 2	97.2 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.: 480-59386-1

SDG No.:

Batch Number: 181210 Batch Start Date: 05/12/14 08:35 Batch Analyst: Kasprzyk, Layne R

Batch Method: 7470A Batch End Date: 05/12/14 10:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MEH_HG2_WKG 00637			
MB 480-181210/1		7470A, 7470A		30 mL	50 mL				
LCS 480-181210/2		7470A, 7470A		30 mL	50 mL	2 mL			
480-59386-J-1	PT2-1(L)	7470A, 7470A	T	30 mL	50 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	2005122
Batch Comment	Cal Batch: 181429
Sulfuric Acid Lot Number	1947741
Lot # of Nitric Acid	1963359
Hot Block ID number	HG-B
Potassium Persulfate Lot Number	2046967
Potassium Permanganate Lot Number	2038703
Oven, Bath or Block Temperature 1	94.0 Degrees C
Pipette ID	HGL-5
Stannous Chloride Lot Number	2059670
ID number of the thermometer	S/N52507
Digestion Tube/Cup Lot #	1309271
Uncorrected Temperature	93.0 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.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-59386-1

SDG No.:

Project: Mt Kisco

Client Sample ID	Lab Sample ID
PT2-1(L)	480-59386-1

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PT2-1(L) Lab Sample ID: 480-59386-1

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG ID.:

Matrix: Water Date Sampled: 05/06/2014 14:45

Reporting Basis: WET Date Received: 05/07/2014 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	9012B
	Phenolics, Total Recoverable	ND	0.010	0.0050	mg/L			1	9066
	Oil & Grease	2.7	5.0	1.4	mg/L	J		1	1664A
	SGT-HEM	3.0	5.0	1.9	mg/L	J		1	1664A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PT2-1(L) Lab Sample ID: 480-59386-1

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG ID.:

Matrix: Water Date Sampled: 05/06/2014 14:45

Reporting Basis: WET Date Received: 05/07/2014 09:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	pH	7.34	0.100		SU		H	1	9040C

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Analyst: KMF Batch Start Date: 05/10/2014

Reporting Units: mg/L Analytical Batch No.: 181344

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
9	ICV	11:30	Cyanide, Total	0.240	0.250	96	90-110		WC_CN_50ppm_00111
10	ICB	11:31	Cyanide, Total	ND					
35	CCV	12:07	Cyanide, Total	0.259	0.250	104	90-110		WC_CNL_INT_00162
36	CCB	12:09	Cyanide, Total	ND					
47	CCV	12:24	Cyanide, Total	0.258	0.250	103	90-110		WC_CNL_INT_00162
48	CCB	12:26	Cyanide, Total	ND					
59	CCV	12:42	Cyanide, Total	0.259	0.250	104	90-110		WC_CNL_INT_00162
60	CCB	12:43	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.: 480-59386-1

SDG No.:

Analyst: NCH Batch Start Date: 05/13/2014

Reporting Units: mg/L Analytical Batch No.: 181733

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	08:50	Phenolics, Total Recoverable	0.0989	0.100	99	90-110		WC_0.1CCV TRP_00486
2	CCB	08:50	Phenolics, Total Recoverable	ND					
11	CCV	08:51	Phenolics, Total Recoverable	0.0995	0.100	100	90-110		WC_0.1CCV TRP_00486
12	CCB	08:51	Phenolics, Total Recoverable	ND					
48	CCV	09:51	Phenolics, Total Recoverable	0.0989	0.100	99	90-110		WC_0.1CCV TRP_00486
49	CCB	09:51	Phenolics, Total Recoverable	ND					
60	CCV	09:57	Phenolics, Total Recoverable	0.0993	0.100	99	90-110		WC_0.1CCV TRP_00486
61	CCB	09:57	Phenolics, Total Recoverable	ND					
72	CCV	10:03	Phenolics, Total Recoverable	0.0988	0.100	99	90-110		WC_0.1CCV TRP_00486
73	CCB	10:03	Phenolics, Total Recoverable	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.: 480-59386-1

SDG No.:

Analyst: KS Batch Start Date: 05/08/2014

Reporting Units: SU Analytical Batch No.: 180781

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
12	CCV	01:18	pH	7.000	7.00	100	99-101		7.0 Buffer_00051
34	CCV	02:17	pH	7.010	7.00	100	99-101		7.0 Buffer_00051

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.: 480-59386-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 182052	Date: 05/14/2014 14:04	Prep Batch: 182034	Date: 05/14/2014 13:09				
1664A	MB 480-182034/1-A	Oil & Grease	ND		mg/L	5.0	1
1664A	MB 480-182034/1-A	SGT-HEM	ND		mg/L	5.0	1
Batch ID: 181344	Date: 05/10/2014 12:23	Prep Batch: 181299	Date: 05/09/2014 21:22				
9012B	MB 480-181299/1-A	Cyanide, Total	ND		mg/L	0.010	1
Batch ID: 181733	Date: 05/13/2014 08:50	Prep Batch: 181010	Date: 05/08/2014 13:32				
9066	MB 480-181010/1-A	Phenolics, Total Recoverable	ND		mg/L	0.010	1

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 182052	Date: 05/14/2014 14:04		Prep Batch: 182034			Date: 05/14/2014 13:09					
						LCS Source: restek og lcs_00034					
1664A	LCS 480-182034/2-A	Oil & Grease	33.60		mg/L	40.0	84	78-114			
1664A	LCS 480-182034/2-A	SGT-HEM	15.60		mg/L	20.0	78	64-132			
Batch ID: 181344	Date: 05/10/2014 12:27		Prep Batch: 181299			Date: 05/09/2014 21:22					
						LCS Source: WC_CN_50ppm_00111					
9012B	LCS 480-181299/2-A	Cyanide, Total	0.246		mg/L	0.250	98	90-110			
Batch ID: 181733	Date: 05/13/2014 08:50		Prep Batch: 181010			Date: 05/08/2014 13:32					
						LCS Source: WC_Phenol10W3_00223					
9066	LCS 480-181010/2-A	Phenolics, Total Recoverable	0.104		mg/L	0.100	104	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: 480-59386-1

SDG Number:

Matrix: Water Instrument ID: LACHAT2

Method: 9012B MDL Date: 01/29/2010 00:00

Prep Method: 9012B

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: 480-59386-1

SDG Number:

Matrix: Water Instrument ID: LACHAT2

Method: 9012B XMDL Date: 01/29/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.005

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-59386-1

SDG Number:

Matrix: Water Instrument ID: KONE2

Method: 9066 MDL Date: 02/02/2010 00:00

Prep Method: Distill/Phenol

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Phenolics, Total Recoverable		0.01	0.005

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-59386-1

SDG Number:

Matrix: Water Instrument ID: KONE2

Method: 9066 XMDL Date: 02/02/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Phenolics, Total Recoverable		0.01	0.005

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-59386-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: 1664A MDL Date: 01/07/2010 00:00

Prep Method: 1664A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Oil & Grease		5	1.4
SGT-HEM		5	1.94

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-59386-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: 1664A XMDL Date: 01/07/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Oil & Grease		5	1.4
SGT-HEM		5	1.94

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-59386-1

SDG Number:

Matrix: Water Instrument ID: PC_Titrator

Method: 9040C RL Date: 08/09/2009 18:45

Analyte	Wavelength/ Mass	RL (SU)	
pH		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-59386-1

SDG Number:

Matrix: Water Instrument ID: PC_Titrator

Method: 9040C XRL Date: 08/09/2009 18:45

Analyte	Wavelength/ Mass	XRL (SU)	
pH		0.1	

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Prep Method: Distill/Phenol

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-181010/1-A	05/08/2014 13:32	181010		50	50
LCS 480-181010/2-A	05/08/2014 13:32	181010		50	50
480-59386-1	05/08/2014 13:32	181010		50	50

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Prep Method: 9012B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-181299/1-A	05/09/2014 21:22	181299		50	50
LCS 480-181299/2-A	05/09/2014 21:22	181299		50	50
480-59386-1	05/09/2014 21:22	181299		50	50

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Prep Method: 1664A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-182034/1-A	05/14/2014 13:09	182034		1000	1000
LCS 480-182034/2-A	05/14/2014 13:09	182034		1000	1000
480-59386-1	05/14/2014 13:09	182034		1000	1000

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: LACHAT2 Method: 9012B

Start Date: 05/10/2014 11:18 End Date: 05/10/2014 12:56

Lab Sample ID	D / F	Type	Time	Analytes																				
				CN																				
ZZZZZZ			11:18																					
ZZZZZZ			11:20																					
ZZZZZZ			11:21																					
ZZZZZZ			11:22																					
ZZZZZZ			11:24																					
ZZZZZZ			11:25																					
ZZZZZZ			11:27																					
ZZZZZZ			11:28																					
ICV 480-181344/9	1		11:30	X																				
ICB 480-181344/10	1		11:31	X																				
CCV 480-181344/11			11:33																					
CCB 480-181344/12			11:34																					
ZZZZZZ			11:35																					
ZZZZZZ			11:37																					
ZZZZZZ			11:38																					
ZZZZZZ			11:40																					
ZZZZZZ			11:41																					
ZZZZZZ			11:43																					
ZZZZZZ			11:44																					
ZZZZZZ			11:46																					
ZZZZZZ			11:47																					
ZZZZZZ			11:48																					
CCV 480-181344/23			11:50																					
CCB 480-181344/24			11:51																					
ZZZZZZ			11:53																					
ZZZZZZ			11:54																					
ZZZZZZ			11:56																					
ZZZZZZ			11:57																					
ZZZZZZ			11:58																					
ZZZZZZ			12:00																					
ZZZZZZ			12:01																					
ZZZZZZ			12:03																					
ZZZZZZ			12:04																					
ZZZZZZ			12:06																					
CCV 480-181344/35	1		12:07	X																				
CCB 480-181344/36	1		12:09	X																				
ZZZZZZ			12:10																					
ZZZZZZ			12:11																					
ZZZZZZ			12:13																					
ZZZZZZ			12:14																					
ZZZZZZ			12:16																					
ZZZZZZ			12:17																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: LACHAT2 Method: 9012B

Start Date: 05/10/2014 11:18 End Date: 05/10/2014 12:56

Lab Sample ID	D / F	Type	Time	Analytes																				
				CN																				
ZZZZZZ			12:19																					
ZZZZZZ			12:20																					
ZZZZZZ			12:22																					
MB 480-181299/1-A	1	T	12:23	X																				
CCV 480-181344/47	1		12:24	X																				
CCB 480-181344/48	1		12:26	X																				
LCS 480-181299/2-A	1	T	12:27	X																				
ZZZZZZ			12:29																					
ZZZZZZ			12:30																					
ZZZZZZ			12:32																					
ZZZZZZ			12:33																					
ZZZZZZ			12:34																					
ZZZZZZ			12:36																					
480-59386-1	1	T	12:37	X																				
ZZZZZZ			12:39																					
ZZZZZZ			12:40																					
CCV 480-181344/59	1		12:42	X																				
CCB 480-181344/60	1		12:43	X																				
ZZZZZZ			12:45																					
ZZZZZZ			12:46																					
ZZZZZZ			12:47																					
ZZZZZZ			12:49																					
ZZZZZZ			12:50																					
ZZZZZZ			12:52																					
ZZZZZZ			12:53																					
CCV 480-181344/68			12:55																					
CCB 480-181344/69			12:56																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: KONE2 Method: 9066

Start Date: 05/13/2014 08:50 End Date: 05/13/2014 12:27

Lab Sample ID	D/F	Type	Time	Analytes																				
				PhenT																				
CCV 480-181733/1	1		08:50	X																				
CCB 480-181733/2	1		08:50	X																				
ZZZZZZ			08:50																					
ZZZZZZ			08:50																					
MB 480-181010/1-A	1	T	08:50	X																				
LCS 480-181010/2-A	1	T	08:50	X																				
ZZZZZZ			08:50																					
ZZZZZZ			08:50																					
ZZZZZZ			08:50																					
ZZZZZZ			08:50																					
CCV 480-181733/11	1		08:51	X																				
CCB 480-181733/12	1		08:51	X																				
CCV 480-181733/13			09:32																					
CCB 480-181733/14			09:32																					
ZZZZZZ			09:32																					
ZZZZZZ			09:32																					
ZZZZZZ			09:32																					
ZZZZZZ			09:32																					
ZZZZZZ			09:32																					
ZZZZZZ			09:32																					
ZZZZZZ			09:32																					
ZZZZZZ			09:32																					
ZZZZZZ			09:32																					
ZZZZZZ			09:32																					
CCV 480-181733/25			09:38																					
CCB 480-181733/26			09:38																					
ZZZZZZ			09:38																					
ZZZZZZ			09:38																					
ZZZZZZ			09:38																					
ZZZZZZ			09:38																					
ZZZZZZ			09:38																					
ZZZZZZ			09:38																					
ZZZZZZ			09:38																					
ZZZZZZ			09:38																					
ZZZZZZ			09:38																					
CCV 480-181733/37			09:45																					
CCB 480-181733/38			09:45																					
ZZZZZZ			09:45																					
ZZZZZZ			09:45																					
ZZZZZZ			09:45																					
ZZZZZZ			09:45																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: KONE2 Method: 9066

Start Date: 05/13/2014 08:50 End Date: 05/13/2014 12:27

Lab Sample ID	D / F	Type	Time	Analytes																				
				PhenT																				
ZZZZZZ			09:45																					
ZZZZZZ			09:45																					
ZZZZZZ			09:45																					
ZZZZZZ			09:45																					
ZZZZZZ			09:45																					
CCV 480-181733/48	1		09:51	X																				
CCB 480-181733/49	1		09:51	X																				
ZZZZZZ			09:51																					
ZZZZZZ			09:51																					
ZZZZZZ			09:51																					
ZZZZZZ			09:51																					
ZZZZZZ			09:51																					
ZZZZZZ			09:51																					
ZZZZZZ			09:51																					
ZZZZZZ			09:51																					
ZZZZZZ			09:51																					
ZZZZZZ			09:51																					
CCV 480-181733/60	1		09:57	X																				
CCB 480-181733/61	1		09:57	X																				
ZZZZZZ			09:57																					
ZZZZZZ			09:57																					
ZZZZZZ			09:57																					
ZZZZZZ			09:57																					
480-59386-1	1	T	09:57	X																				
ZZZZZZ			09:57																					
ZZZZZZ			09:57																					
ZZZZZZ			09:57																					
ZZZZZZ			09:57																					
ZZZZZZ			09:57																					
CCV 480-181733/72	1		10:03	X																				
CCB 480-181733/73	1		10:03	X																				
ZZZZZZ			10:03																					
ZZZZZZ			10:03																					
ZZZZZZ			10:03																					
ZZZZZZ			10:03																					
ZZZZZZ			10:03																					
ZZZZZZ			10:03																					
ZZZZZZ			10:03																					
ZZZZZZ			10:03																					
ZZZZZZ			10:03																					
CCV 480-181733/84			10:09																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: KONE2 Method: 9066

Start Date: 05/13/2014 08:50 End Date: 05/13/2014 12:27

Lab Sample ID	D / F	Type	Time	Analytes																			
				PhenT																			
CCB 480-181733/85			10:09																				
ZZZZZZ			10:09																				
ZZZZZZ			10:09																				
ZZZZZZ			10:09																				
ZZZZZZ			10:09																				
ZZZZZZ			10:09																				
ZZZZZZ			10:10																				
ZZZZZZ			10:10																				
ZZZZZZ			10:10																				
ZZZZZZ			10:10																				
ZZZZZZ			10:10																				
CCV 480-181733/96			10:13																				
CCB 480-181733/97			10:13																				
ZZZZZZ			10:19																				
CCV 480-181733/99			10:20																				
CCB 480-181733/100			10:20																				
CCV 480-181733/101			11:01																				
CCB 480-181733/102			11:01																				
ZZZZZZ			11:01																				
ZZZZZZ			11:01																				
ZZZZZZ			11:01																				
ZZZZZZ			11:01																				
ZZZZZZ			11:01																				
ZZZZZZ			11:01																				
ZZZZZZ			11:01																				
ZZZZZZ			11:01																				
ZZZZZZ			11:01																				
ZZZZZZ			11:01																				
CCV 480-181733/113			11:07																				
CCB 480-181733/114			11:07																				
ZZZZZZ			11:07																				
ZZZZZZ			11:07																				
ZZZZZZ			11:07																				
ZZZZZZ			11:07																				
ZZZZZZ			11:07																				
ZZZZZZ			11:07																				
ZZZZZZ			11:07																				
ZZZZZZ			11:07																				
ZZZZZZ			11:07																				
ZZZZZZ			11:07																				
CCV 480-181733/125			11:13																				
CCB 480-181733/126			11:13																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: KONE2 Method: 9066

Start Date: 05/13/2014 08:50 End Date: 05/13/2014 12:27

Lab Sample ID	D / F	Type	Time	Analytes																			
				PhenT																			
ZZZZZZ			11:13																				
ZZZZZZ			11:13																				
ZZZZZZ			11:14																				
ZZZZZZ			11:14																				
ZZZZZZ			11:14																				
ZZZZZZ			11:14																				
ZZZZZZ			11:14																				
ZZZZZZ			11:14																				
ZZZZZZ			11:14																				
ZZZZZZ			11:14																				
CCV 480-181733/137			11:19																				
CCB 480-181733/138			11:19																				
ZZZZZZ			11:19																				
ZZZZZZ			11:19																				
ZZZZZZ			11:19																				
ZZZZZZ			11:19																				
ZZZZZZ			11:19																				
ZZZZZZ			11:19																				
ZZZZZZ			11:19																				
ZZZZZZ			11:19																				
ZZZZZZ			11:23																				
ZZZZZZ			11:23																				
CCV 480-181733/149			11:24																				
CCB 480-181733/150			11:24																				
ZZZZZZ			11:24																				
ZZZZZZ			11:24																				
CCV 480-181733/153			11:25																				
CCB 480-181733/154			11:25																				
CCV 480-181733/155			12:08																				
CCB 480-181733/156			12:08																				
ZZZZZZ			12:08																				
ZZZZZZ			12:08																				
ZZZZZZ			12:08																				
ZZZZZZ			12:08																				
ZZZZZZ			12:08																				
ZZZZZZ			12:08																				
ZZZZZZ			12:08																				
ZZZZZZ			12:08																				
CCV 480-181733/165			12:14																				
CCB 480-181733/166			12:14																				
ZZZZZZ			12:14																				
ZZZZZZ			12:14																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: KONE2 Method: 9066

Start Date: 05/13/2014 08:50 End Date: 05/13/2014 12:27

Lab Sample ID	D / F	Type	Time	Analytes																				
				PhenT																				
ZZZZZZ			12:14																					
ZZZZZZ			12:14																					
ZZZZZZ			12:14																					
ZZZZZZ			12:14																					
ZZZZZZ			12:14																					
ZZZZZZ			12:14																					
ZZZZZZ			12:14																					
ZZZZZZ			12:14																					
CCV 480-181733/177			12:16																					
CCB 480-181733/178			12:16																					
ZZZZZZ			12:26																					
ZZZZZZ			12:26																					
CCV 480-181733/181			12:27																					
CCB 480-181733/182			12:27																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: NOEQUIP Method: 1664A

Start Date: 05/14/2014 14:04 End Date: 05/14/2014 14:04

Lab Sample ID	D / F	Type	Time	Analytes																				
				HEM	SGTHEM																			
MB 480-182034/1-A	1	T	14:04	X	X																			
LCS 480-182034/2-A	1	T	14:04	X	X																			
ZZZZZZ			14:04																					
ZZZZZZ			14:04																					
480-59386-1	1	T	14:04	X	X																			
ZZZZZZ			14:04																					
ZZZZZZ			14:04																					
ZZZZZZ			14:04																					
ZZZZZZ			14:04																					
ZZZZZZ			14:04																					
ZZZZZZ			14:04																					
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ZZZZZZ			14:04																					
ZZZZZZ			14:04																					
ZZZZZZ			14:04																					
ZZZZZZ			14:04																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Instrument ID: PC_Titrator Method: 9040C

Start Date: 05/08/2014 00:49 End Date: 05/08/2014 02:25

Lab Sample ID	D / F	Type	Time	Analytes																				
				pH																				
ZZZZZZ			00:49																					
ZZZZZZ			00:52																					
ZZZZZZ			00:55																					
ZZZZZZ			00:57																					
ZZZZZZ			01:00																					
ZZZZZZ			01:03																					
ZZZZZZ			01:05																					
ZZZZZZ			01:08																					
ZZZZZZ			01:10																					
ZZZZZZ			01:13																					
ZZZZZZ			01:16																					
CCV 480-180781/12	1		01:18	X																				
ZZZZZZ			01:21																					
ZZZZZZ			01:24																					
ZZZZZZ			01:26																					
ZZZZZZ			01:29																					
ZZZZZZ			01:32																					
ZZZZZZ			01:34																					
ZZZZZZ			01:37																					
ZZZZZZ			01:40																					
ZZZZZZ			01:42																					
ZZZZZZ			01:45																					
LCS 480-180781/23	1	T	01:48	X																				
ZZZZZZ			01:50																					
ZZZZZZ			01:53																					
ZZZZZZ			01:56																					
ZZZZZZ			01:58																					
ZZZZZZ			02:01																					
480-59386-1	1	T	02:04	X																				
ZZZZZZ			02:06																					
ZZZZZZ			02:09																					
ZZZZZZ			02:12																					
ZZZZZZ			02:15																					
CCV 480-180781/34	1		02:17	X																				
ZZZZZZ			02:20																					
ZZZZZZ			02:23																					
CCV 480-180781/37			02:25																					

Prep Types

T = Total/NA

161344

Solutions:
Cyanide 335.4/9012/335.1/4500

Potassium Phosphate Buffer	**2065779**	**Exp. 11/10/2014**
Pyridine Barbituric Acid	**2056667**	**Exp. 05/27/2014**
Chloramine-T	**2055007**	**Exp. 05/13/2014**

Curve: 5/10/2014

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 = 2065801 Exp. 5/17/2014

Author: buflachat2

Date : 5/10/2014

Original Run Filename: OM_5-10-2014_11-17-57AM.OMN Created: 5/10/2014 11:17:57 AM
Original Run Author's Signature: [buflachat2]
Current Run Filename: OM_5-10-2014_11-17-57AM.OMN Last Modified: 5/10/2014 12:59:28 PM
Current Run Author's Signature: [buflachat2]
Description: 10-204-00-1-A

Sample	Rep.	Cup No.	Channel 1 Cyanide Conc. (mg/L)	Area (V.s)	Height (V)	Detection Time
0.5	1	S1	0.500	59.7	1.64	5/10/2014@11:18:39 AM
0.4	1	S2	0.400	47.9	1.32	5/10/2014@11:20:05 AM
0.3	1	S3	0.300	36.1	0.995	5/10/2014@11:21:32 AM
0.2	1	S4	0.200	24.0	0.665	5/10/2014@11:22:58 AM
0.1	1	S5	0.100	12.0	0.334	5/10/2014@11:24:25 AM
0.05	1	S6	0.0500	5.96	0.165	5/10/2014@11:25:52 AM
0.01	1	S7	0.0100	1.01	0.0273	5/10/2014@11:27:20 AM
0	1	S10	0.00	-0.167	-4.21e-3	5/10/2014@11:28:47 AM
ICV	1	S11	0.240	28.7	0.798	5/10/2014@11:30:13 AM
Calibration:			Table/Fig. : 1			
ICB	1	S10	1.38e-3	9.09e-4	4.20e-3	5/10/2014@11:31:39 AM
CCV	1	S9	0.258	30.9	0.854	5/10/2014@11:33:05 AM
Known Conc:			1.50			
CCB	1	S10	-1.93e-4	-0.188	-5.81e-3	5/10/2014@11:34:31 AM
Known Conc:			0.00			
MB 480-181297/1-A	1	1	2.36e-3	0.119	4.69e-3	5/10/2014@11:35:58 AM
LCS 480-181297/2-A	1	2	0.387	46.4	1.29	5/10/2014@11:37:26 AM
480-59420-C-4-A	1	3	0.367	44.0	1.21	5/10/2014@11:38:53 AM
480-59420-C-4-B MS	1	4	0.471	56.6	1.56	5/10/2014@11:40:19 AM
480-59420-C-4-C MSD	1	5	0.458	55.1	1.55	5/10/2014@11:41:46 AM
480-59420-C-5-A	1	6	2.52e-3	0.139	5.39e-3	5/10/2014@11:43:13 AM
480-59420-C-6-A	1	7	5.39e-3	0.484	0.0126	5/10/2014@11:44:39 AM
480-59420-C-7-A	1	8	0.649	77.9	2.18	5/10/2014@11:46:05 AM
480-59392-B-1-A	1	9	0.114	13.6	0.379	5/10/2014@11:47:32 AM
480-59408-F-1-A	1	10	9.45e-4	-0.0512	-3.89e-3	5/10/2014@11:48:58 AM
CCV	1	S9	0.258	31.0	0.854	5/10/2014@11:50:24 AM
Known Conc:			100			
CCB	1	S10	1.68e-4	-0.145	-5.78e-3	5/10/2014@11:51:50 AM
Known Conc:			100			
480-59408-F-2-A	1	11	1.11e-3	-0.0313	-1.66e-3	5/10/2014@11:53:16 AM
480-59408-F-3-A	1	12	1.46e-3	0.0112	3.07e-3	5/10/2014@11:54:42 AM
480-59408-F-4-A	1	13	1.40e-3	3.74e-3	3.28e-3	5/10/2014@11:56:07 AM
480-59408-F-5-A	1	14	2.49e-3	0.135	4.63e-3	5/10/2014@11:57:33 AM
480-59408-F-6-A	1	15	2.23e-5	-0.162	-5.57e-3	5/10/2014@11:58:58 AM
480-59408-F-7-A	1	16	3.34e-3	0.237	7.29e-3	5/10/2014@12:00:26 PM
480-59408-F-8-A	1	17	4.84e-3	0.418	0.0101	5/10/2014@12:01:53 PM
480-59420-C-2-A	1	18	2.47e-3	0.133	3.55e-3	5/10/2014@12:03:20 PM
480-59420-C-2-B MS	1	19	0.0977	11.6	0.321	5/10/2014@12:04:47 PM
MB 480-181298/1-A	1	20	3.13e-3	0.212	4.77e-3	5/10/2014@12:06:13 PM
CCV	1	S9	0.259	31.0	0.855	5/10/2014@12:07:39 PM
Known Conc:			100			
CCB	1	S10	8.24e-5	-0.155	-3.96e-3	5/10/2014@12:09:05 PM
Known Conc:			100			
LCS 480-181298/2-A	1	21	0.709	85.3	2.35	5/10/2014@12:10:32 PM
480-59357-C-1-A	1	22	5.62e-4	-0.0973	-4.35e-3	5/10/2014@12:11:58 PM
480-59357-D-2-A	1	23	2.66e-3	0.156	5.22e-3	5/10/2014@12:13:25 PM
480-59357-F-3-A	1	24	1.73e-3	0.0430	4.93e-3	5/10/2014@12:14:51 PM
480-59357-G-4-A	1	25	2.89e-3	0.183	4.48e-3	5/10/2014@12:16:17 PM
480-59357-G-4-B DU	1	26	3.15e-3	0.214	5.71e-3	5/10/2014@12:17:43 PM
480-59357-C-5-A	1	27	1.51e-3	0.0167	6.44e-3	5/10/2014@12:19:09 PM
480-59357-C-5-B MS	1	28	0.0991	11.8	0.325	5/10/2014@12:20:35 PM
480-59491-B-1-A	1	29	9.86e-4	-0.0462	-3.82e-3	5/10/2014@12:22:00 PM
MB 480-181299/1-A	1	30	4.95e-3	0.431	9.84e-3	5/10/2014@12:23:26 PM
CCV	1	S9	0.258	31.0	0.873	5/10/2014@12:24:51 PM
Known Conc:			100			
CCB	1	S10	-1.03e-5	-0.166	-4.22e-3	5/10/2014@12:26:18 PM
Known Conc:			100			
LCS 480-181299/2-A	1	31	0.246	29.4	0.810	5/10/2014@12:27:45 PM

480-59420-C-1-A	1	32	1.34e-3	-3.67e-3	-2.45e-3	5/10/2014@12:29:12 PM
480-59446-G-1-A	1	33	0.0128	1.38	0.0377	5/10/2014@12:30:39 PM
480-59287-Q-1-A	1	34	2.54e-3	0.141	4.55e-3	5/10/2014@12:32:06 PM
480-59287-Q-1-B DU	1	35	2.76e-3	0.168	5.56e-3	5/10/2014@12:33:32 PM
480-59420-C-3-A	1	36	0.0158	1.74	0.0469	5/10/2014@12:34:59 PM
480-59420-C-3-B MS	1	37	0.109	12.9	0.362	5/10/2014@12:36:25 PM
480-59386-K-1-A	1	38	-5.24e-4	-0.228	-8.02e-3	5/10/2014@12:37:51 PM
480-59412-I-1-A	1	39	0.0367	4.26	0.117	5/10/2014@12:39:18 PM
MB 480-181249/1-A	1	40	1.62e-3	0.0305	3.93e-3	5/10/2014@12:40:44 PM
CCV	1	S9	0.259	31.0	0.855	5/10/2014@12:42:10 PM
	Known Conc:		100			
CCB	1	S10	-5.75e-4	-0.234	-5.57e-3	5/10/2014@12:43:36 PM
	Known Conc:		100			
LCS 480-181249/2-A^25	1	41	0.245	29.4	0.811	5/10/2014@12:45:02 PM
200-22152-I-1-B	1	42	-4.77e-4	-0.222	-4.89e-3	5/10/2014@12:46:28 PM
200-22177-J-1-B	1	43	8.42e-4	-0.0636	-2.76e-3	5/10/2014@12:47:54 PM
200-22177-I-2-A	1	44	5.48e-4	-0.0990	-3.86e-3	5/10/2014@12:49:19 PM
200-22177-I-2-B DU	1	45	1.74e-3	0.0444	-2.51e-3	5/10/2014@12:50:45 PM
480-59420-c-7-a^2	1	46	0.327	39.2	1.10	5/10/2014@12:52:12 PM
lcs 480-181298/2-a^2	1	47	0.359	43.1	1.18	5/10/2014@12:53:39 PM
CCV	1	S9	0.260	31.1	0.860	5/10/2014@12:55:05 PM
	Known Conc:		100			
CCB	1	S10	-5.28e-4	-0.229	-5.29e-3	5/10/2014@12:56:31 PM
	Known Conc:		100			

Reactive

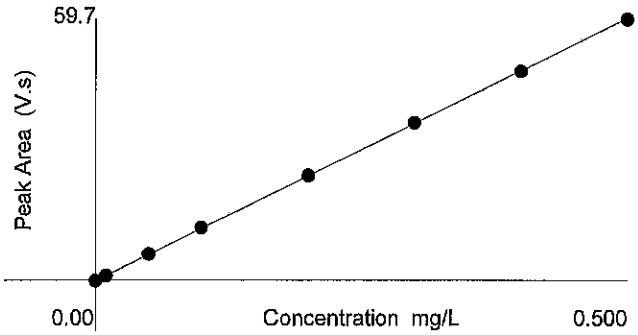
Reactive 200uL 5mL

2.5mL 5mL

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	59.7	1.64	0.0	0.5	0.497	5/10/2014	11:18:39 AM
2	0.400	1	47.9	1.32	0.0	0.3	0.399	5/10/2014	11:20:05 AM
3	0.300	1	36.1	0.995	0.0	-0.4	0.301	5/10/2014	11:21:32 AM
4	0.200	1	24.0	0.665	0.0	-0.4	0.201	5/10/2014	11:22:58 AM
5	0.100	1	12.0	0.334	0.0	-1.3	0.101	5/10/2014	11:24:25 AM
6	0.0500	1	5.96	0.165	0.0	-1.7	0.0508	5/10/2014	11:25:52 AM
7	0.0100	1	1.01	0.0273	0.0	3.1	9.73e-3	5/10/2014	11:27:20 AM
8	0.00	1	-0.167	-4.21e-3			-2.00e-5	5/10/2014	11:28:47 AM

Figure : 1 (Cyanide)



Area = 120 * Conc - 0.165
Conc = 8.30e-3 * Area + 1.37e-3
Correlation Coefficient (r) = 1.00000

Weighting : 1/x

TestAmerica BUFFALO

TALs Batch No. *Cyanide Distillation Logbook* Logbook# A14-02-11

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please ✓	Comments
5/9/14	MB	MR	blank	1	50				
		LCS	40 ppm	2					
		59420	C4	3					
			C4 MS	4			100 ml	✓	
			C4 MSD	5			100 ml	✓	
			C5	6					
			C6	7					
			C7	8					
		59392	B1	9					
		59408	F1	10					
			F2	11					
			F3	12					
			F4	13					
			F5	14					
			F6	15					

Start Time____ End Time____ H_2S ✓ Cl_2 ✓ ERA Water Lot#____

Magnesium Chloride: 240617 Cyanide Total Standard:____ ERA Soil Lot#____

Sulfamic Acid: 204119 Cyanide Intermediate Standard 2052244 0.25N NaOH: 2053801 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 MB Date 5/9/14

TestAmerica BUFFALO

TALs Batch No. *Cyanide Distillation Logbook* Logbook# A14-02-11

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please ✓	Comments
5/9/14	DM	594068	F7	16	50				
		"	F8	17					
		59420	C2	18					
		"	C2 MS	19			100ml	✓	
		MB	blank	20		.5214 g			
		LCS	Soil LCS 25 mg/kg 50 ppm	21		.5251 g			1641313
		59357	C1	22		.5091 g			
		"	D2	23		.5423 g			
		"	F3	24		.5327 g			
		"	G4	25		.5264 g			
		"	G4 DUP	26		.5198 g			
		"	C5	27		.5381 g			
		"	C6 MS	28		.5285 g	100ml	✓	
		59491	B1	29		.5033 g			
		MB	blank	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:_____

Block Temp Check: see p. 30

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 DM Date 5/9/14

TALs Batch No.

TestAmerica BUFFALO
Cyanide Distillation Logbook

Logbook# A14-02-11

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please ✓	Comments
5/9/14	TD	LCI	.05 ppm	31	50				
		59420	C1	32	50				
		59446	G1	33	50				
		59267	Q1	34	50				
		"	Q1 DU	35	50				
		59420	C3	36	50				
		"	C3 MS	37	50		100ul	✓	
		59386	K1	38	50				
		59417	I1	39	50				

Start Time_____ End Time_____ H_2S_____ Cl_2_____ ERA Water Lot#_____

Magnesium Chloride:_____ Cyanide Total Standard:_____ ERA Soil Lot#_____

Sulamafic 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 TD Date 5/9/14

see pg. 30

Historical Data Summary Report

For Batch 181344

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-59392-B-1-A	Effluent	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	0.11	☐	0 - 0.213	☐	0.012 - 0.192
480-59408-F-1-A	CG-5-1S-140506	9012B	Cyanide, Total	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.019	☐	0 - 0.012
480-59408-F-2-A	CG-4-1S-140506	9012B	Cyanide, Total	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.02	☐	0 - 0.012
480-59408-F-3-A	ICMW-1-1S-140506	9012B	Cyanide, Total	Total/NA	mg/L	6	1.0	ND	☐	0 - 0.017	☐	0 - 0.012
480-59408-F-4-A	ICMW-1-DUP-1S-14	9012B	Cyanide, Total	Total/NA	mg/L	4	1.0	ND	☐	0 - 0.02	☐	0 - 0.012
480-59408-F-5-A	MW-7-1S-140506	9012B	Cyanide, Total	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.019	☐	0 - 0.012
480-59408-F-6-A	MW-10-1S-140506	9012B	Cyanide, Total	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.019	☐	0 - 0.012
480-59408-F-7-A	MW-5-1S-140506	9012B	Cyanide, Total	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.019	☐	0 - 0.012
480-59408-F-8-A	ICMW-4-1S-140506	9012B	Cyanide, Total	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.019	☐	0 - 0.012
480-59412-I-1-A	BCC BSA SUMP 05	4500_CN_E	Cyanide, Total	Total/NA	mg/L	16	1.0	0.037	☐	0 - 0.147	☐	0.033 - 0.132
480-59446-G-1-A	WA-050714-01H	4500_CN_E	Cyanide, Total	Total/NA	mg/L	8	1.0	0.013	☐	0.001 - 0.027	☐	0.007 - 0.024

181733

Solutions Used: Konelab AQUA20 & 20XT

TOTAL RECOVERABLE PHENOLICS

Intermediate@10ppm	**2056250**	**EXP: 05/14/2014**
CCV@0.1ppm	**2069259**	**EXP: 05/14/2014**
Potassium Ferricyanide	**2047733**	**EXP: 11/05/2014**
4-Aminoantipyrene	**2047732**	**EXP: 11/05/2014**
Buffer	**2047731**	**EXP: 11/05/2014**

LCS/CCV/MS/MSD = 0.1ppm

Kone 1:Curve – 1960856
Curve Accepted – 03/28/2014
Batch - 172666
ICV @0.1ppm – 1960855

Kone 2: Curve-- 2046636
Curve Accepted – 05/02/2014
Batch –179714
ICV @0.1ppm –2046607

TestAmerica-Buffalo
Konelab-2

5/13/2014 12:41

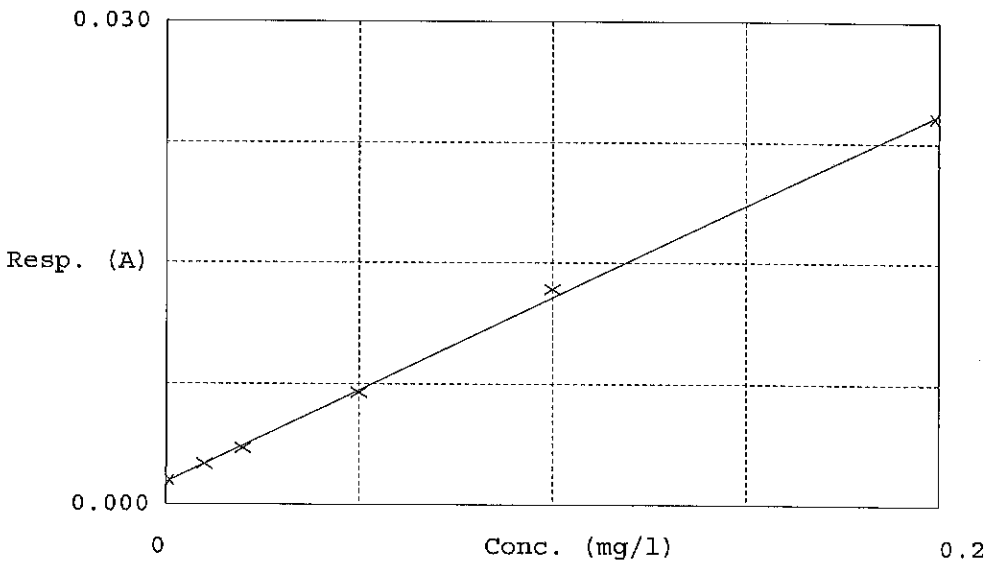
Test Phenols-TR

Accepted 5/2/2014 9:14

Factor 8.753
Bias 0.001

Coeff. of det. 0.999038

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	PHEN 0	0.001	0.00057	0.00000	
2	PHEN 0.01	0.003	0.00974	0.01000	
3	PHEN 0.02	0.003	0.01828	0.02000	
4	PHEN0.05	0.007	0.04867	0.05000	
5	PHEN 0.1	0.013	0.10445	0.10000	
6	PHEN 0.2	0.024	0.19829	0.20000	

TestAmerica-Buffalo
Konelab-2

5/13/2014 12:42

Performed 5/13/2014 7:59
MAX acceptable SD 2.0 mA

Wavelength	Abs (mA)	SD (mA)	SignGain	RefGain	Voltage (V)
340 nm	-258.5	1.0	1	1	6.0
405 nm	-260.6	0.7	1	1	6.2
420 nm	185.5	0.8	0	1	6.2
460 nm	-260.6	0.6	0	0	5.7
480 nm	-262.6	0.5	0	0	5.4
510 nm	-264.2	0.5	0	0	4.8
520 nm	-265.3	0.5	0	0	5.6
540 nm	-266.9	0.4	0	0	5.0
575 nm	-269.5	0.4	0	0	4.2
600 nm	-272.2	0.4	0	0	4.6
630 nm	-273.0	0.4	0	0	4.5
660 nm	-277.6	0.3	0	0	4.2
880 nm	--				

TestAmerica-Buffalo
Konelab-2

Date : 5/13/2014
Time : 12:41

Test Phenols-TR
Unit mg/l

Sample ID:	Result	Resp.	Blank	Dilut	Date and Time
CCV TRP	0.0989	0.013	0.000		5/13/2014 8:50
CCB TRP	-0.0030	0.001	-0.000		5/13/2014 8:50
MB 480-181008/1-	-0.0024	0.001	0.000		5/13/2014 8:50
LCS 480-181008/2	0.1086	0.014	0.000		5/13/2014 8:50
MB 480-181010/1-	-0.0017	0.001	0.000		5/13/2014 8:50
LCS 480-181010/2	0.1036	0.013	0.000		5/13/2014 8:50
MB 480-181049/1-	-0.0022	0.001	0.001		5/13/2014 8:50
LCS 480-181049/2	0.0944	0.012	0.000		5/13/2014 8:50
MB 480-181050/1-	-0.0022	0.001	0.000		5/13/2014 8:50
LCS 480-181050/2	0.0910	0.012	-0.000		5/13/2014 8:50
CCV TRP	0.0995	0.013	-0.000		5/13/2014 8:51
CCB TRP	-0.0045	0.001	-0.000		5/13/2014 8:51
CCV TRP	0.1005	0.013	0.000		5/13/2014 9:32
CCB TRP	-0.0029	0.001	-0.000		5/13/2014 9:32
480-59181-M-1-B	0.0245	0.004	-0.000		5/13/2014 9:32
480-59356-B-5-A	-0.0031	0.001	-0.000		5/13/2014 9:32
480-59356-B-5-B	0.1024	0.013	-0.000		5/13/2014 9:32
480-59356-B-6-A	-0.0020	0.001	0.001		5/13/2014 9:32
480-59356-B-7-A	-0.0029	0.001	0.000		5/13/2014 9:32
480-59300-E-1-A	-0.0022	0.001	-0.000		5/13/2014 9:32
480-59300-E-2-A	-0.0018	0.001	0.000		5/13/2014 9:32
480-59300-E-3-A	-0.0037	0.001	0.000		5/13/2014 9:32
180-32461-H-1-A	0.0085	0.002	-0.000		5/13/2014 9:32
180-32461-H-2-A	0.0133	0.003	0.000		5/13/2014 9:32
CCV TRP	0.0990	0.013	-0.000		5/13/2014 9:38
CCB TRP	-0.0043	0.001	-0.000		5/13/2014 9:38
480-59408-C-5-A	-0.0014	0.001	0.000		5/13/2014 9:38
480-59408-C-6-A	-0.0034	0.001	0.001		5/13/2014 9:38
480-59412-J-1-A	0.0045	0.002	0.000		5/13/2014 9:38
480-59408-C-7-A	-0.0034	0.001	0.000		5/13/2014 9:38
480-59408-C-8-A	-0.0034	0.001	-0.000		5/13/2014 9:38
480-59408-C-9-A	-0.0043	0.001	-0.000		5/13/2014 9:38
180-32461-H-3-A	0.0043	0.002	0.000		5/13/2014 9:38
180-32461-H-5-A	-0.0021	0.001	-0.000		5/13/2014 9:38
180-32461-H-6-A	0.0038	0.002	-0.000		5/13/2014 9:38
180-32461-H-7-A	-0.0006	0.001	0.001		5/13/2014 9:39
CCV TRP	0.0987	0.013	-0.000		5/13/2014 9:45
CCB TRP	-0.0029	0.001	-0.000		5/13/2014 9:45
480-59395-A-3-A	-0.0024	0.001	-0.000		5/13/2014 9:45
480-59395-A-4-A	-0.0025	0.001	0.002		5/13/2014 9:45
480-59408-C-9-B	0.1080	0.014	0.000		5/13/2014 9:45
480-59408-C-9-C	0.1040	0.013	0.000		5/13/2014 9:45
480-59442-C-1-A	-0.0002	0.001	0.000		5/13/2014 9:45
480-59294-Q-1-A	0.0063	0.002	0.003		5/13/2014 9:45
480-59256-D-1-A	-0.0023	0.001	-0.000		5/13/2014 9:45
480-59256-D-2-A	-0.0025	0.001	-0.000		5/13/2014 9:45
480-59181-M-1-A	0.0157	0.003	0.000		5/13/2014 9:45
CCV TRP	0.0989	0.013	0.000		5/13/2014 9:51
CCB TRP	-0.0033	0.001	-0.000		5/13/2014 9:51
480-59395-A-5-A	-0.0033	0.001	0.001		5/13/2014 9:51
480-59395-A-6-A	-0.0040	0.001	0.000		5/13/2014 9:51
480-59064-F-1-B	-0.0011	0.001	0.001		5/13/2014 9:51
480-59206-D-2-A	-0.0019	0.001	0.000		5/13/2014 9:51

TestAmerica-Buffalo
Konelab-2

Date : 5/13/2014
Time : 12:42

Test Phenols-TR
Unit mg/l

Sample ID:	Result	Resp.	Blank	Dilut	Date and Time
480-59207-E-1-A	0.0267	0.004	0.001		5/13/2014 9:51
480-59207-E-1-B	0.1241	0.016	0.001		5/13/2014 9:51
480-59408-C-1-A	-0.0040	0.001	-0.000		5/13/2014 9:51
480-59408-C-1-B	-0.0031	0.001	-0.000		5/13/2014 9:51
480-59408-C-2-A	-0.0034	0.001	-0.000		5/13/2014 9:51
480-59408-C-2-B	0.1065	0.014	0.000		5/13/2014 9:51
CCV TRP	0.0993	0.013	0.000		5/13/2014 9:57
CCB TRP	-0.0040	0.001	-0.000		5/13/2014 9:57
480-59263-C-7-A	-0.0039	0.001	0.001		5/13/2014 9:57
480-59263-C-8-A	0.0408	0.006	0.000		5/13/2014 9:57
480-59263-C-10-A	-0.0039	0.001	0.000		5/13/2014 9:57
480-59263-C-10-B	0.1124	0.014	0.000		5/13/2014 9:57
480-59386-I-1-A	-0.0003	0.001	0.000		5/13/2014 9:57
480-59263-C-11-A	-0.0030	0.001	0.001		5/13/2014 9:57
480-59263-C-11-B	0.0999	0.013	0.000		5/13/2014 9:57
480-59263-C-11-C	0.0977	0.013	0.000		5/13/2014 9:57
480-59408-C-3-A	-0.0038	0.001	0.001		5/13/2014 9:57
480-59408-C-4-A	-0.0037	0.001	0.001		5/13/2014 9:57
CCV TRP	0.0988	0.013	0.000		5/13/2014 10:03
CCB TRP	-0.0044	0.001	-0.000		5/13/2014 10:03
480-59293-C-5-A	-0.0033	0.001	0.001		5/13/2014 10:03
480-59293-C-6-A	-0.0041	0.001	-0.000		5/13/2014 10:03
480-59293-C-7-A	-0.0040	0.001	0.001		5/13/2014 10:03
480-59293-C-8-A	-0.0037	0.001	-0.000		5/13/2014 10:03
480-59263-C-12-A	-0.0031	0.001	-0.000		5/13/2014 10:03
480-59342-A-1-A	-0.0007	0.001	-0.000		5/13/2014 10:03
480-59346-I-3-A	-0.0030	0.001	-0.000		5/13/2014 10:03
480-59392-C-1-A	0.0100	0.003	-0.000		5/13/2014 10:03
480-59395-A-1-A	-0.0053	0.001	0.001		5/13/2014 10:03
480-59395-A-2-A	-0.0014	0.001	0.000		5/13/2014 10:03
CCV TRP	0.0993	0.013	0.000		5/13/2014 10:09
CCB TRP	-0.0046	0.001	-0.000		5/13/2014 10:09
480-59293-C-9-A	-0.0024	0.001	0.000		5/13/2014 10:09
480-59293-C-9-B	0.1119	0.014	0.000		5/13/2014 10:09
480-59293-C-9-C	0.0912	0.012	0.000		5/13/2014 10:09
480-59293-C-10-A	-0.0046	0.001	-0.000		5/13/2014 10:09
480-59263-C-1-A	0.0059	0.002	0.000		5/13/2014 10:10
480-59263-C-2-A	-0.0034	0.001	-0.000		5/13/2014 10:10
480-59263-C-3-A	-0.0035	0.001	-0.000		5/13/2014 10:10
480-59263-C-4-A	-0.0027	0.001	-0.000		5/13/2014 10:10
480-59263-C-5-A	-0.0035	0.001	-0.000		5/13/2014 10:10
480-59263-C-6-A	-0.0032	0.001	0.000		5/13/2014 10:10
CCV TRP	0.0971	0.012	-0.000		5/13/2014 10:13
CCB TRP	-0.0052	0.001	-0.001		5/13/2014 10:13
480-59074-E-1-C	1.3154	0.011	-0.000	1+14.0	5/13/2014 10:19
CCV TRP	0.0980	0.013	0.000		5/13/2014 10:20
CCB TRP	-0.0053	0.001	-0.000		5/13/2014 10:20
CCV TRP	0.0985	0.013	0.000		5/13/2014 11:01
CCB TRP	-0.0048	0.001	-0.000		5/13/2014 11:01
480-59400-H-8-A	-0.0069	0.001	0.000		5/13/2014 11:01
480-59400-H-9-A	-0.0033	0.001	0.000		5/13/2014 11:01
480-59400-H-10-A	-0.0034	0.001	0.000		5/13/2014 11:01
480-59400-H-11-A	-0.0045	0.001	0.000		5/13/2014 11:01

TestAmerica-Buffalo
Konelab-2

Date : 5/13/2014
Time : 12:42

Test Phenols-TR
Unit mg/l

Sample ID:	Result	Resp.	Blank	Dilut	Date and Time
480-59400-H-12-A	-0.0045	0.001	0.000		5/13/2014 11:01
480-59400-H-12-B	0.0982	0.013	0.001		5/13/2014 11:01
MB 480-181218/1-	-0.0028	0.001	-0.000		5/13/2014 11:01
LCS 480-181218/2	0.0982	0.013	0.000		5/13/2014 11:01
MB 480-181284/1-	-0.0045	0.001	0.000		5/13/2014 11:01
LCS 480-181284/2	0.0932	0.012	0.000		5/13/2014 11:01
CCV TRP	0.0986	0.013	0.000		5/13/2014 11:07
CCB TRP	-0.0050	0.001	-0.000		5/13/2014 11:07
180-32461-H-8-A	-0.0021	0.001	0.000		5/13/2014 11:07
180-32461-H-8-B	0.1019	0.013	0.000		5/13/2014 11:07
180-32461-H-4-A	-0.0016	0.001	0.001		5/13/2014 11:07
180-32461-H-4-B	0.0995	0.013	0.000		5/13/2014 11:07
180-32461-H-4-C	0.0996	0.013	0.000		5/13/2014 11:07
180-32461-H-9-A	-0.0027	0.001	0.000		5/13/2014 11:07
480-59532-H-1-B	0.0066	0.002	-0.000		5/13/2014 11:07
480-59535-C-1-B	-0.0027	0.001	-0.000		5/13/2014 11:07
480-58536-C-1-B	-0.0035	0.001	0.000		5/13/2014 11:07
480-59292-C-3-D	-0.0048	0.001	0.000		5/13/2014 11:07
CCV TRP	0.0984	0.013	-0.000		5/13/2014 11:13
CCB TRP	-0.0049	0.001	-0.000		5/13/2014 11:13
180-32461-H-10-A	-0.0009	0.001	0.001		5/13/2014 11:13
480-59400-H-1-A	-0.0025	0.001	0.000		5/13/2014 11:13
480-59400-H-2-A	-0.0010	0.001	0.001		5/13/2014 11:14
480-59400-H-3-A	-0.0046	0.001	0.000		5/13/2014 11:14
480-59400-H-4-A	-0.0045	0.001	-0.000		5/13/2014 11:14
480-59400-H-5-A	-0.0035	0.001	-0.000		5/13/2014 11:14
480-59400-H-6-A	-0.0050	0.001	0.000		5/13/2014 11:14
480-59400-H-7-A	-0.0035	0.001	0.001		5/13/2014 11:14
480-59292-C-3-E	0.0965	0.012	0.000		5/13/2014 11:14
480-59292-C-3-F	0.0946	0.012	-0.000		5/13/2014 11:14
CCV TRP	0.1058	0.013	-0.000		5/13/2014 11:19
CCB TRP	-0.0049	0.001	-0.000		5/13/2014 11:19
480-59507-C-1-B	-0.0031	0.001	0.000		5/13/2014 11:19
480-59507-C-2-B	-0.0028	0.001	0.000		5/13/2014 11:19
480-59507-C-4-B	-0.0029	0.001	0.000		5/13/2014 11:19
480-59507-C-5-B	-0.0027	0.001	-0.000		5/13/2014 11:19
480-59507-C-6-B	-0.0027	0.001	0.000		5/13/2014 11:19
480-59507-C-7-B	-0.0037	0.001	-0.000		5/13/2014 11:19
480-59507-C-8-B	-0.0036	0.001	-0.000		5/13/2014 11:19
480-59510-F-1-A	-0.0042	0.001	0.001		5/13/2014 11:19
480-59510-F-2-A	0.0030	0.002	0.005		5/13/2014 11:23
480-59510-F-3-A	-0.0038	0.001	0.000		5/13/2014 11:23
CCV TRP	0.0981	0.013	-0.000		5/13/2014 11:24
CCB TRP	-0.0050	0.001	-0.001		5/13/2014 11:24
480-59510-F-5-A	-0.0045	0.001	0.000		5/13/2014 11:24
480-59510-F-5-B	0.0991	0.013	-0.000		5/13/2014 11:24
CCV TRP	0.0974	0.013	-0.000		5/13/2014 11:25
CCB TRP	-0.0050	0.001	-0.000		5/13/2014 11:25
CCV TRP	0.0992	0.013	0.000		5/13/2014 12:08
CCB TRP	-0.0039	0.001	-0.000		5/13/2014 12:08
MB 480-181285/1-	-0.0041	0.001	0.000		5/13/2014 12:08
LCS 480-181285/2	0.0923	0.012	0.000		5/13/2014 12:08
480-59510-F-4-A	-0.0037	0.001	0.001		5/13/2014 12:08

TestAmerica-Buffalo
Konelab-2

Date : 5/13/2014
Time : 12:42

Test Phenols-TR
Unit mg/l

Sample ID:	Result	Resp.	Blank	Dilut	Date and Time
480-59510-F-4-B	0.1004	0.013	0.000		5/13/2014 12:08
480-59510-F-4-C	0.1007	0.013	0.000		5/13/2014 12:08
480-59493-W-1-B	0.1051	0.013	0.005		5/13/2014 12:08
480-59513-G-1-A	-0.0021	0.001	0.001		5/13/2014 12:08
480-59513-G-2-A	-0.0027	0.001	0.000		5/13/2014 12:08
CCV TRP	0.0996	0.013	-0.000		5/13/2014 12:14
CCB TRP	-0.0032	0.001	-0.000		5/13/2014 12:14
480-59356-B-1-A	-0.0023	0.001	0.001		5/13/2014 12:14
480-59356-B-2-A	-0.0020	0.001	0.000		5/13/2014 12:14
480-59356-B-3-A	-0.0016	0.001	0.000		5/13/2014 12:14
480-59356-B-4-A	-0.0031	0.001	0.000		5/13/2014 12:14
480-59531-G-3-A	-0.0024	0.001	-0.000		5/13/2014 12:14
480-59513-G-3-A	0.0903	0.012	-0.000		5/13/2014 12:14
480-59513-G-3-B	0.1064	0.014	0.000		5/13/2014 12:14
480-59507-C-3-D	-0.0023	0.001	-0.000		5/13/2014 12:14
480-59507-C-3-E	0.1040	0.013	0.000		5/13/2014 12:14
480-59507-C-3-F	0.1103	0.014	0.000		5/13/2014 12:14
CCV TRP	0.0998	0.013	-0.000		5/13/2014 12:16
CCB TRP	-0.0041	0.001	-0.000		5/13/2014 12:16
480-59411-M-1-A	0.5602	0.014	-0.000	1+4.0	5/13/2014 12:26
480-59411-M-2-A	0.5286	0.013	-0.000	1+4.0	5/13/2014 12:26
CCV TRP	0.1027	0.013	-0.000		5/13/2014 12:27
CCB TRP	-0.0044	0.001	-0.000		5/13/2014 12:28

TestAmerica Buffalo
Phenols Distillation
(Methods 420.4 and 9066)

Loghook# A14-01-14

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Vol/Wt	Comments
5/8/14	RP	MB	BLANK	1	50mL	
		LCS	0.1ppm	2		+500uL int std
		59293	C5	3		
			C6	4		
			C7	5		
			C8	6		
			C9	7		
			C9MS	8		+500uL int std
			C9MSD	9		+500uL int std
			C10	10		
		59263	C1	11		
			C2	12		
			C3	13		
			C4	14		
			C5	15		
			C6	16		
			C7	17		
			C8	18		
			C10	19		
			C10MS	20		+500uL int std
		MB	BLANK	21		
		LCS	0.1 ppm	22		+500uL int std
		59386	I1	23		
		59263	C11	24		
			C11MS	25		+500uL int std
			C11MSD	26		+500uL int std
			C12	27		
		59342	A1	28		
		59346	I3	29		
		59392	C1	30		

Reviewed By RP TALS Batch ID # 181008/181010

Solutions: 2056250

Eppendorfs: K23576B I24966C

53/300

TestAmerica Buffalo
Phenols Distillation
(Methods 420.4 and 9066)

Logbook# A14-01-14

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Vol/Wt	Comments
5/8/14	RP	59395	A1	31	50mL	
			A2	32		
			A3	33		
			A4	34		
			A5	35		
			A6	36		
		59064	F1	37		
		59206	D2	38		
		59207	E1	39		
		L	E1mS	40		+500uL int std

5/8/14
RP

viewed By RP TALS Batch ID # 181004/181010

utions: 2056250

endorfs: K235760 J24966C

TestAmerica Buffalo
Phenols Distillation
(Methods 420.4 and 9066)

Logbook# A14-01-14

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Vol/Wt	Comments
5-8-14	CT	MB	Blank	1	50ml	
		LCS	0.1 ppm	2		+500 ul int std
		59408	C-1	3		
			C-1DU	4		
			C-2	5		
			C-2MS	6		+ 500 ul int std
			C-3	7		
			C-4	8		
			C-5	9		
			C-6	10		
		59412	S-1	11		
		59408	C-7	12		
			C-8	13		
			C-9	14		
			C-9MS	15		+500 ul int std
			C-9MSD	16		+500 ul int std
		59442	C-1	17		
		59294	Q-1	18		Anti Foam
		59256	D-1	19		
			D-2	20		
		MB	BLK	21		
		LCS	0.1 ppm	22		+500 ul int std
		59074	E-1	23		Anti Foam
		59181	M-1	24		
			M-1DU	25		
		59356	B-5	26		
			B-5MS	27		+500 ul int std
			B-6	28		
			B-7	29		
		59300	E-1	30		

Reviewed By CT 5/8/14 TALS Batch ID # 181049 / 181050

Solutions: 2056250

Eppendorfs: K 23576B . I 24966C

TestAmerica Buffalo
Phenols Distillation
(Methods 420.4 and 9066)

Logbook# A14-01-14

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Vol/Wt	Comments
5-8-14	CT	593 00	E-2	31	50ml	
↓	↓	↓	E-3	32	↓	
		180 32461	H-1	33		
		↓	H-2	34		
			H-3	35		
			H-5	36		
			H-6	37		
			H-7	38		
			H-8	39		
↓	↓	↓	H-8MS	40	↓	+ 500 ul int std

5-8-14
CT

Reviewed By CT 5/8/14 TALS Batch ID # 181050

Solutions: 2056250

Eppendorfs: K23576B. I24966C

TestAmerica Buffalo
Phenols Distillation
(Methods 420.4 and 9066)

Logbook# A14-01-14

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Vol/Wt	Comments
5/9/14	RP	MB	BLank	1	50 mL	
		LCS	0.1 ppm	2		+500 uL int std
		180-32461	H4	3		
			H4 MS	4		+500 uL int std
			H4 MSD	5		+500 uL int std
			H9	6		
			H10	7		
		59400	H1	8		
			H2	9		
			H3	10		
			H4	11		
			H5	12		
			H6	13		
			H7	14		
			H8	15		
			H9	16		
			H10	17		
			H11	18		
			H12	19		
			H12 MS	20		+500 uL int std
		MD	Blank	21		
		LCS	0.1 ppm	22		+500 uL int std
		59532	H1	23		
		59535	C1	24		
		59536	C1	25		
		59493	W1	26		anti Foam
		59400	H13	27		
			H14	28		
			H15	29		
			H15 MS	30		+500 uL int std

Reviewed By RP TALS Batch ID # 181218/181219

Solutions: 2056250

Eppendorfs: K235764 I24966

05/21/2014

TestAmerica Buffalo
Phenols Distillation
(Methods 420.4 and 9066)

Logbook# A14-01-14

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Vol/Wt	Comments
5/9/14	RP	59507	C1	31	50 mL	
			C2	32		
			C3	33		
			C3MS	34		+500 uL int std
			C3MSD	35		+500 uL int std
			C4	36		
			C5	37		
			C6	38		
			C7	39		
			C8	40		~~+500 uL int~~ RP 5/9/14

5/9/14
RP

Reviewed By RP TALS Batch ID # ~~151218~~/151219

Solutions: 2056250

Eppendorfs: K235768 F24966C

2nd batch did not have time to distill - had to shut down

No water to cold 58/300 Fung 12:05 pm - Lost pressure (main break)

TestAmerica Buffalo
Phenols Distillation
(Methods 420.4 and 9066)

Logbook# A14-01-14

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Vol/Wt	Comments
5-9-14	CT	MB	Blank	1	50ml	
		LCS	0.1ppm	2		+500ul int std
		59532	H-1	3		
		59535	C1 ~~H-1 DUP~~ CT 5-9-14	4		
		59536	C-1	5		
		59292	C-3	6		
		↓	C-3MS	7		+500ul int std
		↓	C-3MSD	8		+500ul int std
		59507	C-1	9		
		↓	C-2	10		
		↓	C-4	11		
		↓	C-5	12		
		↓	C-6	13		
		↓	C-7	14		
		↓	C-8	15		
		59510	F-1	16		
		↓	F-2	17		
		↓	F-3	18		
		↓	F-5	19		
		↓	F-5MS	20		+500ul int std
		MB	BLK	21		
		LCS	0.1ppm	22		+500ul int std
		59510	F-4	23		
		↓	F-4MS	24		+500ul int std
		↓	F-4MSD	25		+500ul int std
		59493	W-1	26		Antifoam
		59513	G-1	27		
		↓	G-2	28		
		59411	M-1	29		Antifoam
		↓	M-2	30		Antifoam

Reviewed By CT 5/10/14 TALS Batch ID # 181284 / 181285

Solutions: 205 6250

Eppendorfs: K23576B I24966C

TestAmerica Buffalo
Phenols Distillation
(Methods 420.4 and 9066)

Logbook# A14-01-14

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Vol/Wt	Comments
5-9-14	CT	59356	B-1	31	50ml	
			B-2	32		
			B-3	33		
			B-4	34		
		59513	G-3	35		
			G-3MS	36		+500ul int std
			G-3MSD	37		+500ul int std
		59507	C-3	38		
			C-3MS	39		+500ul int std
			C-3MSD	40		+500ul int std

5-10-14
CT

Reviewed By CT 5-10-14 TALS Batch ID # 181285

Solutions: 2056250

Eppendorfs: K235763 IZ49666C

Historical Data Summary Report

For Batch 181733

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-59064-F-1-B	001	420.4	Phenolics, Total Recoverable	Total/NA	ug/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-59074-E-1-C	100109	9066	Phenolics, Total Recoverable	Total/NA	mg/L	6	15.0	1.3	☐	0 - 1.608	☑	0.168 - 1.176 Conf
480-59206-D-2-A	002 WEIR	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	ND	☐	0 - 0.014	☐	0 - 0.011
480-59207-E-1-A	METERING MANHC	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	0.027	☐	0 - 0.042	☐	0 - 0.034
480-59256-D-1-A	G11U	9066	Total Recoverable Phenolics	Total/NA	ug/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-59256-D-2-A	G40M	9066	Total Recoverable Phenolics	Total/NA	ug/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-59263-C-10-A	WE-2425-2Q-14050	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	ND	☐	0 - 0.02	☐	0 - 0.012
480-59263-C-11-A	WE-2427-2Q-14050	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	ND	☐	0 - 0.02	☐	0 - 0.012
480-59263-C-12-A	WE-2428-2Q-14050	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	ND	☐	0 - 0.02	☐	0 - 0.012
480-59263-C-1-A	MW-11-2Q-140505	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	0.0059	☐	0 - 0.516	☑	0.043 - 0.396 Ro
480-59263-C-2-A	MW-17-2Q-140505	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	6	1.0	ND	☐	0 - 0.02	☐	0 - 0.012
480-59263-C-3-A	MW-23-2Q-140505	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	ND	☐	0 - 0.019	☐	0 - 0.012
480-59263-C-4-A	MW-23 DUP-2Q-140	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	ND	☐	0 - 0.019	☐	0 - 0.012
480-59263-C-5-A	MW-24-2Q-140505	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	6	1.0	ND	☐	0 - 0.019	☐	0 - 0.012
480-59263-C-6-A	MW-27-2Q-140505	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	6	1.0	ND	☐	0 - 0.017	☐	0 - 0.012
480-59263-C-7-A	PW-5-2Q-140505	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	ND	☐	0 - 0.019	☐	0 - 0.012
480-59263-C-8-A	PW-6-2Q-140505	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	0.041	☐	0.006 - 0.047	☐	0.009 - 0.042
480-59292-C-3-G	TB70	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	3	1.0	ND	☐	0 - 0	☐	0 - 0
480-59293-C-5-A	TB44	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	5	1.0	ND	☐	0 - 0	☐	0 - 0
480-59293-C-6-A	TB45A	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	3	1.0	ND	☐	0 - 0	☐	0 - 0
480-59293-C-7-A	TB46	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	3	1.0	ND	☐	0 - 0	☐	0 - 0
480-59293-C-8-A	TB7	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	3	1.0	ND	☐	0 - 0	☐	0 - 0
480-59293-C-9-A	TB7A	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	3	1.0	ND	☐	0 - 0	☐	0 - 0
480-59294-Q-1-A	L303	420.4	Phenolics, Total Recoverable	Total/NA	ug/L	3	1.0	6.3	☐	0 - 95.792	☑	24.507 - 36.76 Bluewtr n.a
480-59300-E-1-A	G10D	9066	Phenolics, Total Recoverable	Total/NA	ug/L	8	1.0	ND	☐	0 - 49.533	☐	0 - 52.8

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05/21/2014

Historical Data Summary Report

For Batch 181733

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-59300-E-2-A	G40D	9066	Phenolics, Total Recoverable	Total/NA	ug/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-59300-E-3-A	G41D	9066	Phenolics, Total Recoverable	Total/NA	ug/L	8	1.0	ND	☐	0 - 42.452	☐	0 - 45.6
480-59342-A-1-A	800M-050614-01H	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	0.010	☐	0 - 0.054	☐	0.005 - 0.047
480-59356-B-1-A	GMW-10	9066	Phenolics, Total Recoverable	Total/NA	ug/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-59356-B-2-A	GMW-11	9066	Phenolics, Total Recoverable	Total/NA	ug/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-59356-B-3-A	GMW-12	9066	Phenolics, Total Recoverable	Total/NA	ug/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-59356-B-4-A	GMW-13	9066	Phenolics, Total Recoverable	Total/NA	ug/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-59356-B-5-A	GMW-14	9066	Phenolics, Total Recoverable	Total/NA	ug/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-59356-B-6-A	GMW-15	9066	Phenolics, Total Recoverable	Total/NA	ug/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-59356-B-7-A	GMW-16	9066	Phenolics, Total Recoverable	Total/NA	ug/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-59392-C-1-A	Effluent	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	0.010	☐	0 - 0.029	☐	0.004 - 0.025
480-59395-A-1-A	River Water	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	ND	☐	0 - 0.007	☐	0 - 0.008
480-59395-A-2-A	003	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	ND	☐	0 - 0.007	☐	0 - 0.008
480-59395-A-3-A	004	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	ND	☐	0 - 0.007	☐	0 - 0.007
480-59395-A-4-A	005	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	ND	☐	0 - 0.006	☐	0 - 0.006
480-59395-A-5-A	007	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	ND	☐	0 - 0.01	☐	0 - 0.008
480-59395-A-6-A	003R	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	ND	☐	0 - 0.011	☐	0 - 0.008
480-59400-H-10-A	G09D	420.4	Total Recoverable Phenolics	Total/NA	ug/L	8	1.0	ND	☐	0 - 6.815	☐	0 - 7.32
480-59400-H-11-A	G10D	420.4	Total Recoverable Phenolics	Total/NA	ug/L	8	1.0	ND	☐	0 - 6.703	☐	0 - 7.2
480-59400-H-12-A	G11D	420.4	Total Recoverable Phenolics	Total/NA	ug/L	8	1.0	ND	☐	0 - 5.586	☐	0 - 6
480-59400-H-1-A	G01D	420.4	Total Recoverable Phenolics	Total/NA	ug/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-59400-H-2-A	G02D	420.4	Total Recoverable Phenolics	Total/NA	ug/L	8	1.0	ND	☐	0 - 6.033	☐	0 - 6.48
480-59400-H-3-A	G03D	420.4	Total Recoverable Phenolics	Total/NA	ug/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-59400-H-4-A	G04D	420.4	Total Recoverable Phenolics	Total/NA	ug/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-59400-H-5-A	G04S	420.4	Total Recoverable Phenolics	Total/NA	ug/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-59400-H-6-A	G05D	420.4	Total Recoverable Phenolics	Total/NA	ug/L	8	1.0	ND	☐	0 - 8.629	☐	0 - 7.2
480-59400-H-7-A	G06D	420.4	Total Recoverable Phenolics	Total/NA	ug/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-59400-H-8-A	G07D	420.4	Total Recoverable Phenolics	Total/NA	ug/L	8	1.0	ND	☐	0 - 7.82	☐	0 - 8.4
480-59400-H-9-A	G08D	420.4	Total Recoverable Phenolics	Total/NA	ug/L	8	1.0	ND	☐	0 - 6.256	☐	0 - 6.72

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06/11/2014

Historical Data Summary Report

For Batch 181733

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-59408-C-1-A	CG-5-1S-140506	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.019	☐	0 - 0.012
480-59408-C-2-A	CG-4-1S-140506	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.019	☐	0 - 0.012
480-59408-C-3-A	ICMW-1-1S-140506	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	6	1.0	ND	☐	0 - 0.014	☐	0 - 0.012
480-59408-C-4-A	ICMW-1-DUP-1S-14	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	4	1.0	ND	☐	0 - 0.016	☐	0 - 0.012
480-59408-C-5-A	MW-7-1S-140506	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.017	☐	0 - 0.012
480-59408-C-6-A	MW-10-1S-140506	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.019	☐	0 - 0.012
480-59408-C-7-A	MW-5-1S-140506	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.019	☐	0 - 0.012
480-59408-C-8-A	ICMW-4-1S-140506	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.019	☐	0 - 0.012
480-59408-C-9-A	ICMW-2-1S-140506	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.019	☐	0 - 0.012
480-59411-M-1-A	L301	420.4	Total Recoverable Phenolics	Total/NA	ug/L	8	5.0	560	☐	0 - 940.433	☐	112 - 888
480-59411-M-2-A	L305	420.4	Total Recoverable Phenolics	Total/NA	ug/L	1	5.0	529	☑	5430 - 5430	☑	4344 - 6516 Leach Oh
480-59412-J-1-A	BCC BSA SUMP 05	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	ND	☐	0 - 0.022	☐	0 - 0.019
480-59442-C-1-A	Final Effluent 001	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-59507-C-1-B	TB37A	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	3	1.0	ND	☐	0 - 0	☐	0 - 0
480-59507-C-2-B	TB37	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	3	1.0	ND	☐	0 - 0	☐	0 - 0
480-59507-C-3-D	TB39B	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	3	1.0	ND	☐	0 - 0	☐	0 - 0
480-59507-C-4-B	TB40	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	3	1.0	ND	☐	0 - 0	☐	0 - 0
480-59507-C-5-B	TB41A	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	3	1.0	ND	☐	0 - 0.01	☑	0.001 - 0.002 NOSH
480-59507-C-6-B	TB48A	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	3	1.0	ND	☐	0 - 0	☐	0 - 0
480-59507-C-7-B	TB48	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	3	1.0	ND	☐	0 - 0	☐	0 - 0
480-59507-C-8-B	TB39B DUP	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	6	1.0	ND	☐	0 - 0.011	☐	0 - 0.009
480-59510-F-1-A	ICMW-3-_1S-14050	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.019	☐	0 - 0.012
480-59510-F-2-A	ICMW-5-_1S-14050	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.019	☐	0 - 0.012
480-59510-F-3-A	ICSW-1-_1S-14050	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.021	☐	0 - 0.012
480-59510-F-4-A	ICSW-2-_1S-14050	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.019	☐	0 - 0.012

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Historical Data Summary Report

For Batch 181733

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-59510-F-5-A	ICSW-1-DUP-_1S-1	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.008	☐	0 - 0.007
480-59513-A-3-A	MW-9-2Q-140507	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	7	1.0	0.010	☐	0.007 - 0.012	☐	0.006 - 0.012
480-59513-G-1-A	MW-2-2Q-140507	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	7	1.0	0.010	☐	0.003 - 0.014	☐	0.005 - 0.012
480-59513-G-2-A	MW-2DUP-2Q-1405	420.4	Phenolics, Total Recoverable	Total/NA	mg/L	7	1.0	0.010	☐	0.008 - 0.012	☐	0.007 - 0.012

Historical Data Summary Report

For Batch 182052

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-59207-A-1-A	METERING MANHC	1664A_Calc	SGT-HEM	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-59348-A-1-A	001	1664A_Calc	Oil & Grease	Total/NA	mg/L	8	1.0	7.7	☑	0 - 0	☑	0 - 0 CONFIRMS
480-59385-A-1-A	TANK07	1664A_Calc	Oil & Grease	Total/NA	mg/L	8	1.0	8.9	☐	0 - 14.555	☐	0 - 10.08
480-59385-B-2-A	LST05	1664A_Calc	Oil & Grease	Total/NA	mg/L	8	1.0	2.2	☐	0 - 5.787	☐	0 - 4.08
480-59385-B-3-A	LST06	1664A_Calc	Oil & Grease	Total/NA	mg/L	8	1.0	5.6	☐	0 - 15.699	☐	0 - 12.96
480-59411-A-2-A	L305	1664A_Calc	Oil & Grease	Total/NA	mg/L	1	1.0	ND	☐	0 - 0	☐	0 - 0
480-59411-B-1-A	L301	1664A_Calc	Oil & Grease	Total/NA	mg/L	2	1.0	ND	☐	0 - 0	☐	0 - 0
480-59621-A-3-A	Pellet Recovery	1664A_Calc	Oil & Grease	Total/NA	mg/L	1	1.0	ND	☐	0 - 0	☐	0 - 0

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Buffalo

pH Batch 180781

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Run Number 2028 **Order Number** 20140507-5 **RunDate** 5/8/2014

	SampleID	Cond (uS)	Cond (uS meter)	pH	talk-ppm	bcarb-ppm	carb-ppm	hydr-ppm	Acid mL 8.3	Acid mL 4.5	Acid mL 4.2	F-ppm	F (mV)	TotHD	mL EDTA
12:49 AM	LCS	-1.00	-1.00	6.99	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
12:52 AM	480-59352-M-1	-1.00	-1.00	7.74	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
12:55 AM	du 480-59352-M-1	-1.00	-1.00	7.73	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
12:57 AM	480-59338-G-1	-1.00	-1.00	7.74	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:00 AM	480-59346-L-3	-1.00	-1.00	8.16	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:03 AM	480-59347-C-1	-1.00	-1.00	7.87	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:05 AM	480-59348-E-1	-1.00	-1.00	7.60	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:08 AM	480-59348-D-2	-1.00	-1.00	7.63	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:10 AM	480-59354-H-1	-1.00	-1.00	6.36	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:13 AM	480-59354-I-2	-1.00	-1.00	6.21	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:16 AM	480-59354-I-3	-1.00	-1.00	6.37	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:18 AM	CCV	-1.00	-1.00	7.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:21 AM	480-59354-I-4	-1.00	-1.00	6.60	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:24 AM	480-59354-I-5	-1.00	-1.00	6.71	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:26 AM	480-59356-H-1	-1.00	-1.00	5.42	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:29 AM	480-59356-H-2	-1.00	-1.00	5.42	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:32 AM	480-59356-H-3	-1.00	-1.00	5.66	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:34 AM	480-59356-H-4	-1.00	-1.00	5.45	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:37 AM	480-59356-H-5	-1.00	-1.00	5.55	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:40 AM	480-59356-H-6	-1.00	-1.00	6.23	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:42 AM	480-59356-H-7	-1.00	-1.00	5.70	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:45 AM	480-59356-H-8	-1.00	-1.00	5.68	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:48 AM	LCS	-1.00	-1.00	7.01	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:50 AM	480-59375-I-1	-1.00	-1.00	8.16	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:53 AM	du 480-59375-I-1	-1.00	-1.00	8.15	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00

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05/21/2014

AQ-TitratION PLUS by Man-Tech Associates, Inc.

Report Date: 5/8/2014 : 2:28 AM

WATER ANALYSIS REPORT.SRW
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pH - 180781

Run Number 2028 **Order Number** 20140507-5 **RunDate** 5/8/2014

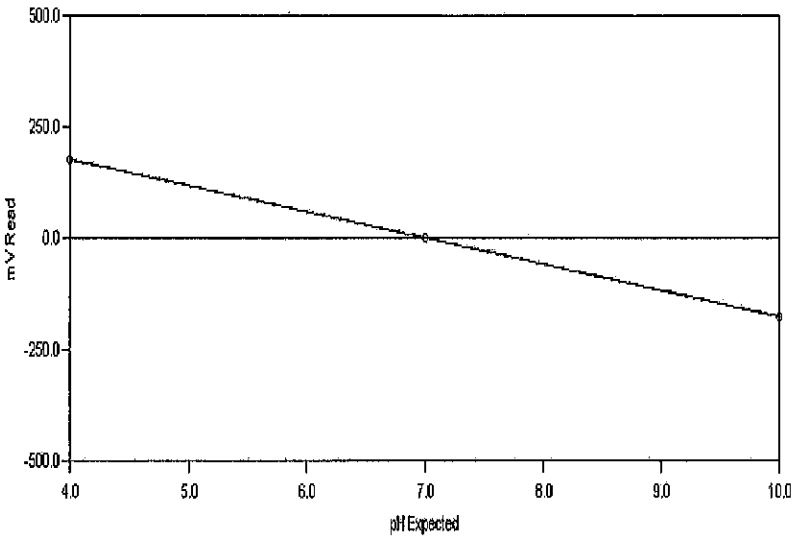
	SampleID	Cond (uS)	Cond (uS meter)	pH	talk-ppm	bcarb-ppm	carb-ppm	hydr-ppm	Acid mL 8.3	Acid mL 4.5	Acid mL 4.2	F-ppm	F (mV)	TotHD	mL EDTA
1:56 AM	480-59360-C-1	-1.00	-1.00	7.16	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1:58 AM	480-59412-K-1	-1.00	-1.00	8.60	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
2:01 AM	480-59390-F-1	-1.00	-1.00	7.81	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
2:04 AM	480-59386-L-1	-1.00	-1.00	7.34	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
2:06 AM	480-59358-G-1	-1.00	-1.00	8.03	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
2:09 AM	480-59358-G-2	-1.00	-1.00	7.37	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
2:12 AM	480-59358-G-3	-1.00	-1.00	7.22	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
2:15 AM	480-59358-G-4	-1.00	-1.00	7.32	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
2:17 AM	CCV	-1.00	-1.00	7.01	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
2:20 AM	480-59405-E-5	-1.00	-1.00	8.17	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
2:23 AM	480-59406-H-4	-1.00	-1.00	7.78	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
2:25 AM	CCV	-1.00	-1.00	7.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00

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PC-TitratION PLUS
Calibration Report

pH Batch 180781

Calibration Record # 848



Calibration Settings

Calibration ID	PH	Date	5/8/2014
Channel	1	Time	12:47 AM
Probe Type	pH	Temperature	291.21 K 18.06 C
Probe ID	PH ELECTRODE	Analysis Type	Single Line Fit

Calibration Results

Slope	-58.815	CorrCoeff	1.0000
Intercept	0.123	Equation: Y = (-58.815) X + (0.123)	

Calibration Validity True Operator

	Result	Minimum	Maximum
Slope	-58.815	-63.00	-53.00
Intercept	0.123	-40.00	40.00
Correlation Coefficient	1.0000	0.99	1.00

Note: "True" means the calibration was within the specified ranges
"False" means the calibration was NOT within the specified ranges

Buffers' TNS ID #s:

Calibration Data	Standard	Reading
	4.00 → 2058643	176.75
(clear)	7.00 → 2056807	-0.24
	10.00 → 2056796	-176.14
(yellow)	7.00 → 2056806	

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Historical Data Summary Report

For Batch 180781

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-59347-C-1	GWS01	SM4500_H+	pH	Total/NA	SU	8	1.0	7.87	☐	6.131 - 8.464	☐	5.168 - 9.54
480-59348-D-2	003	SM4500_H+	pH	Total/NA	SU	8	1.0	7.63	☐	7.271 - 8.137	☐	5.896 - 9.42
480-59348-E-1	001	SM4500_H+	pH	Total/NA	SU	8	1.0	7.60	☐	7.231 - 7.947	☐	5.936 - 9.312
480-59352-M-1	LEACHATE	SM4500_H+	pH	Total/NA	SU	8	1.0	7.74	☐	7.661 - 8.096	☐	6.216 - 9.612
480-59354-H-1	SPRING 4	SM4500_H+	pH	Total/NA	SU	8	1.0	6.36	☐	5.724 - 8.056	☐	5.128 - 9.204
480-59354-I-2	CELL 19 SEEP	SM4500_H+	pH	Total/NA	SU	8	1.0	6.21	☐	5.21 - 8.195	☐	4.96 - 9.516
480-59354-I-3	GMW-26	SM4500_H+	pH	Total/NA	SU	8	1.0	6.37	☐	5.608 - 7.119	☐	4.728 - 8.052
480-59354-I-4	GMW-27	SM4500_H+	pH	Total/NA	SU	8	1.0	6.60	☐	6.055 - 7.42	☐	4.968 - 8.376
480-59354-I-5	GMW-28	SM4500_H+	pH	Total/NA	SU	8	1.0	6.71	☐	5.857 - 7.395	☐	4.984 - 8.28
480-59356-H-1	GMW-10	SM4500_H+	pH	Total/NA	SU	8	1.0	5.42	☐	4.495 - 6.395	☐	3.936 - 7.068
480-59356-H-2	GMW-11	SM4500_H+	pH	Total/NA	SU	8	1.0	5.42	☐	4.634 - 6.174	☐	4.064 - 6.9
480-59356-H-3	GMW-12	SM4500_H+	pH	Total/NA	SU	8	1.0	5.66	☐	4.713 - 6.477	☐	4.136 - 7.152
480-59356-H-4	GMW-13	SM4500_H+	pH	Total/NA	SU	8	1.0	5.45	☐	4.637 - 6.31	☐	4.064 - 7.056
480-59356-H-5	GMW-14	SM4500_H+	pH	Total/NA	SU	8	1.0	5.55	☐	4.731 - 6.277	☐	4.064 - 6.996
480-59356-H-6	GMW-15	SM4500_H+	pH	Total/NA	SU	8	1.0	6.23	☐	5.355 - 6.797	☐	4.56 - 7.68
480-59356-H-7	GMW-16	SM4500_H+	pH	Total/NA	SU	8	1.0	5.70	☐	4.671 - 6.564	☐	4.104 - 7.284
480-59356-H-8	GMW-17	SM4500_H+	pH	Total/NA	SU	8	1.0	5.68	☐	4.629 - 6.553	☐	4.072 - 7.224
480-59358-G-1	SMP-1	SM4500_H+	pH	Total/NA	SU	8	1.0	8.03	☐	7.151 - 8.462	☐	5.976 - 9.84
480-59358-G-2	SMP-2	SM4500_H+	pH	Total/NA	SU	8	1.0	7.37	☐	6.453 - 8.014	☐	5.384 - 9.12
480-59358-G-3	SMP-3	SM4500_H+	pH	Total/NA	SU	8	1.0	7.22	☐	6.644 - 7.959	☐	5.56 - 9.096
480-59358-G-4	SMP-4	SM4500_H+	pH	Total/NA	SU	8	1.0	7.32	☐	6.873 - 8.077	☐	5.664 - 9.312
480-59360-C-1	MSW LEACH	SM4500_H+	pH	Total/NA	SU	8	1.0	7.16	☐	6.727 - 7.865	☐	5.56 - 9.108
480-59375-I-1	LREP	9040C	pH	Total/NA	SU	5	1.0	8.16	☐	6.786 - 8.202	☐	5.792 - 9.528
480-59406-H-4	RH-OUTFALL-0506	SM4500_H+	pH	Total/NA	SU	8	1.0	7.78	☐	7.333 - 8.202	☐	6.04 - 9.624
480-59412-K-1	BCC BSA SUMP	SM4500_H+	pH	Total/NA	SU	8	1.0	8.60	☐	7.398 - 9.97	☐	6.576 - 11.244

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05/21/2014

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Batch Number: 181299 Batch Start Date: 05/09/14 21:22 Batch Analyst: Brado, James M

Batch Method: 9012B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_CN_50ppm 00111			
MB 480-181299/1		9012B, 9012B		50 mL	50 mL				
LCS 480-181299/2		9012B, 9012B		50 mL	50 mL	250 uL			
480-59386-K-1	PT2-1(L)	9012B, 9012B	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.: 480-59386-1

SDG No.:

Batch Number: 181344 Batch Start Date: 05/10/14 11:18 Batch Analyst: Ferguson, Katelyn M

Batch Method: 9012B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_CN_50ppm 00111	WC_CNL_INT 00162		
ICV 480-181344/9		9012B		50 mL	50 mL	250 uL			
ICB 480-181344/10		9012B		5 mL	5 mL				
CCV 480-181344/35		9012B		5 mL	5 mL		0.025 mL		
CCB 480-181344/36		9012B		5 mL	5 mL				
MB 480-181299/1-A		9012B		5 mL	5 mL				
CCV 480-181344/47		9012B		5 mL	5 mL		0.025 mL		
CCB 480-181344/48		9012B		5 mL	5 mL				
LCS 480-181299/2-A		9012B		5 mL	5 mL				
480-59386-K-1-A	PT2-1(L)	9012B	T	5 mL	5 mL				
CCV 480-181344/59		9012B		5 mL	5 mL		0.025 mL		
CCB 480-181344/60		9012B		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.: 480-59386-1

SDG No.:

Batch Number: 181010 Batch Start Date: 05/08/14 13:32 Batch Analyst: Pietras, Rosemary

Batch Method: Distill/Phenol Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_Phenol10W3 00223			
MB 480-181010/1		Distill/Phenol, 9066		50 mL	50 mL				
LCS 480-181010/2		Distill/Phenol, 9066		50 mL	50 mL	500 uL			
480-59386-I-1	PT2-1(L)	Distill/Phenol, 9066	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.: 480-59386-1

SDG No.:

Batch Number: 181733 Batch Start Date: 05/13/14 08:50 Batch Analyst: Hacic, Nicole C

Batch Method: 9066 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	InitialAmount	WC_0.1CCV TRP 00486			
CCV 480-181733/1		9066		2 mL	2 mL	# uL			
CCB 480-181733/2		9066		2 mL	2 mL				
MB 480-181010/1-A		9066		2 mL	2 mL				
LCS 480-181010/2-A		9066		2 mL	2 mL				
CCV 480-181733/11		9066		2 mL	2 mL	# uL			
CCB 480-181733/12		9066		2 mL	2 mL				
CCV 480-181733/48		9066		2 mL	2 mL	# uL			
CCB 480-181733/49		9066		2 mL	2 mL				
CCV 480-181733/60		9066		2 mL	2 mL	# uL			
CCB 480-181733/61		9066		2 mL	2 mL				
480-59386-I-1-A	PT2-1(L)	9066	T	2 mL	2 mL				
CCV 480-181733/72		9066		2 mL	2 mL	# uL			
CCB 480-181733/73		9066		2 mL	2 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.: 480-59386-1

SDG No.:

Batch Number: 182034 Batch Start Date: 05/14/14 13:09 Batch Analyst: Leader, Michael D

Batch Method: 1664A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	Final pH	InitialAmount	FinalAmount	restek og lcs 00034	
MB 480-182034/1		1664A, 1664A		6 SU	6 SU	1000 mL	1000 mL		
LCS 480-182034/2		1664A, 1664A		6 SU	2 SU	1000 mL	1000 mL	5 mL	
480-59386-G-1	PT2-1(L)	1664A, 1664A	T	2 SU	2 SU	1000 mL	1000 mL		

Batch Notes	
Disk Lot Number	filter lot # 4111513 pre-filter lot # 111612

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.: 480-59386-1

SDG No.:

Batch Number: 182052 Batch Start Date: 05/14/14 14:04 Batch Analyst: Leader, Michael D

Batch Method: 1664A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceiverTube	RecTubeWExtract 1	RecTubeWExtract 2	WeightOne%Diff
MB 480-182034/1-A		1664A		1000 mL	1000 mL	+6.3635 g	+6.3648 g	+6.3645 g	Pass_0.0005g
LCS 480-182034/2-A		1664A		1000 mL	1000 mL	+6.3469 g	+6.3808 g	+6.3805 g	Pass_0.0005g
480-59386-G-1-A	PT2-1(L)	1664A	T	1000 mL	1000 mL	+6.3778 g	+6.3805 g	+6.3805 g	Pass_0.0005g

Lab Sample ID	Client Sample ID	Method Chain	Basis	SGTRecTube	SGTRecTubeWExt1	SGTRecTubeWExt2	SGTWeightOne%Diff	Residue	Residue2
MB 480-182034/1-A		1664A		+6.3807 g	+6.3814 g	+6.3812 g	Pass_0.0005g	0.0012999999999 9963 g	0.0009999999999 99446 g
LCS 480-182034/2-A		1664A		+6.3593 g	+6.3752 g	+6.3749 g	Pass_0.0005g	0.0339 g	0.0335999999999 999 g
480-59386-G-1-A	PT2-1(L)	1664A	T	+6.3586 g	+6.3619 g	+6.3616 g	Pass_0.0005g	0.0026999999999 9992 g	0.0026999999999 9992 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	SGTResidue1	SGTResidue2				
MB 480-182034/1-A		1664A		0.0007000000000 00145 g	0.0004999999999 99723 g				
LCS 480-182034/2-A		1664A		0.0159000000000 002 g	0.0156000000000 001 g				
480-59386-G-1-A	PT2-1(L)	1664A	T	0.0033000000000 003 g	0.0030000000000 0011 g				

Batch Notes	
Calibration Check After 2nd Weighing	1.0003 g / 0.0023 g g
Calibration Check Before 1st Weighing	1.0002 g / 0.0021 g g

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.: 480-59386-1

SDG No.:

Batch Number: 180781 Batch Start Date: 05/08/14 00:49 Batch Analyst: Sobol, Kevin

Batch Method: 9040C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	7.0 Buffer 00051			
CCV 480-180781/12		9040C		25 mL	No pH 1 reading entered	# mL			
LCS 480-180781/23		9040C		25 mL	No pH 1 reading entered	# mL			
480-59386-L-1	PT2-1(L)	9040C	T	25 mL	No pH 1 reading entered				
CCV 480-180781/34		9040C		25 mL	No pH 1 reading entered	# 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

480-59386 Chain of Custody

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: MARK WILLIAMS	Site Contact: Mark Williams	Date:
Your Company Name here: STERLING ENVIRONMENTAL	Tel/Fax: 518-456-4900	Lab Contact: Lisa Shafer	Carrier:
Address: 24 Wade Road	Analysis Turnaround Time		
City/State/Zip: Latham, N.Y. 12110	☐ CALENDAR DAYS ☒ WORKING DAYS		
Phone: 518-456-4900	TAT if different from Below _____		
FAX: 518-456-3532	☒ 2 weeks		
Project Name: Mt. Kisco	☐ 1 week		
Site: Morgan Drive, Mt. Kisco, N.Y.	☐ 2 days		
P O #	☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	625 SVOCs	624 - Priority Pollutant VOAs	608 - Pesticides	608 - PCBs	1664/1664A_calc	9066 - Phenolics, Total	9040C - pH	9012B - CN	6010C, 7470A	8260, VOA
PT2-1(L)	5/6/14	1445	G	W	2			✓									
	5/6/14	1445		W	3				✓								
	5/6/14	1445		W	2					✓							
	5/6/14	1445		W	2						✓						
	5/6/14	1445		W	2							✓					
	5/6/14	1445		W	1								✓				
	5/6/14	1445		W	1									✓			
	5/6/14	1445		W	1										✓		
	5/6/14	1445	✓	W	1											✓	
MW TB050614-2 PT2-1(Soil)	~~5/6/14~~ 5/6/14	~~1445~~ 1445	~~G~~	~~Soil~~ Soil	~~3~~ 1												✓
MW	~~5/6/14~~	~~1445~~		~~Soil~~	~~1~~												
MW	~~5/6/14~~	~~1445~~	✓	~~Soil~~	~~1~~												

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: CATEGORY B DELIVERABLES REQUIRED. 2.4, 2.7, 2.4 #1

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by: Mark Williams	Company: STERLING	Date/Time: 5/6/14 19:15	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TAL	Date/Time: 5-7-14 0980

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Login Sample Receipt Checklist

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Login Number: 59386

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.	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.	True	
Chlorine Residual checked.	True	