

ANALYTICAL REPORT

Job Number: 460-47276-1

Job Description: 17338-TO4-2012, RACER, GM Wilmington

For:
Conestoga-Rovers & Associates, Inc.
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Niagara Falls, NY 14304
Attention: Ms. Sue Scrocchi



Approved for release.
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11/30/2012 2:49 PM

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11/30/2012

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Table of Contents

Cover Title Page	1
Data Summaries	5
Report Narrative	5
Sample Summary	7
Executive Summary	8
Method Summary	9
Method / Analyst Summary	10
Sample Datasheets	11
Surrogate Summary	24
QC Data Summary	26
Data Qualifiers	57
QC Association Summary	58
Lab Chronicle	61
Organic Sample Data	65
GC/MS VOA	65
Method 8260 DEL	65
Method 8260 DEL QC Summary	66
Method 8260 DEL Sample Data	75
Standards Data	92
Method 8260 DEL ICAL Data	92
Method 8260 DEL CCAL Data	116
Raw QC Data	126
Method 8260 DEL Tune Data	126
Method 8260 DEL Blank Data	134
Method 8260 DEL LCS/LCSD Data	139
Method 8260 DEL Run Logs	149

Table of Contents

Method 8260 DEL Prep Data	151
GC/MS Semi VOA	153
Method 8270 DEL	153
Method 8270 DEL QC Summary	154
Method 8270 DEL Sample Data	164
Standards Data	180
Method 8270 DEL ICAL Data	180
Method 8270 DEL CCAL Data	219
Raw QC Data	236
Method 8270 DEL Tune Data	236
Method 8270 DEL Blank Data	246
Method 8270 DEL LCS/LCSD Data	252
Method 8270 DEL Run Logs	268
Method 8270 DEL Prep Data	271
Method 8270C SIM	281
Method 8270C SIM QC Summary	282
Method 8270C SIM Sample Data	287
Standards Data	293
Method 8270C SIM ICAL Data	293
Method 8270C SIM CCAL Data	315
Raw QC Data	320
Method 8270C SIM Tune Data	320
Method 8270C SIM Blank Data	328
Method 8270C SIM Run Logs	331
Method 8270C SIM Prep Data	333
Inorganic Sample Data	341

Table of Contents

Metals Data	341
Met Cover Page	342
Met Sample Data	343
Met QC Data	345
Met ICV/CCV	345
Met Blanks	352
Met ICSA/ICSAB	361
Met MS/MSD/PDS	367
Met Dup/Trip	373
Met LCS/LCSD	377
Met Serial Dilution	381
Met MDL	385
Met Linear Ranges	393
Met Preparation Log	394
Met Analysis Run Log	398
Met Raw Data	415
Met Prep Data	975
Shipping and Receiving Documents	982
Client Chain of Custody	983
Sample Receipt Checklist	985

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: GM Wilmington

Report Number: 460-47276-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 11/16/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.4 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

DISSOLVED METALS

Sample 460-47276-2 was analyzed for Dissolved metals in accordance with EPA SW-846 Method 6010B. The samples were prepared on 11/26/2012 and analyzed on 11/27/2012.

No difficulties were encountered during the dissolved metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS

Sample 460-47276-2 was analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared on 11/20/2012 and analyzed on 11/21/2012.

The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: (460-47222-1). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

DISSOLVED MERCURY

Sample 460-47276-2 was analyzed for dissolved mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 11/26/2012.

No difficulties were encountered during the dissolved mercury analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Sample 460-47276-2 was analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 11/20/2012.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample 460-47276-2 was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/28/2012.

The continuing calibration verification (CCV) for analytical batch 137198 exceeded control criteria for Acetone and Methyl cyclohexane (% D >25). The data have been qualified and reported.

No difficulties were encountered during the volatiles analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS - SELECTED ION MODE (SIM)

Samples 460-47276-1 and 460-47276-2 were analyzed for semivolatile organic compounds - Selected Ion Mode (SIM) in accordance with EPA SW-846 Method 8270C SIM. The samples were prepared on 11/20/2012 and analyzed on 11/22/2012.

No difficulties were encountered during the SIM analyses.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 460-47276-1 and 460-47276-2 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 11/20/2012 and analyzed on 11/23/2012.

The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 136417 exceeded control limits for the following analytes: 2-Methylphenol, 4-Nitrophenol and/or Indeno(1,2,3-cd)pyrene.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-47276-1	WG-17338-111612-MW35-CG-2 68	Water	11/16/2012 1420	11/16/2012 1636
460-47276-2	WG-17338-111612-MW37-CG-2 69	Water	11/16/2012 1330	11/16/2012 1636

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-47276-2	WG-17338-111612-MW37-CG-269					
Cyclohexane		7.3		1.0	ug/L	8260B
Benzene		22		1.0	ug/L	8260B
1,2-Dichloroethane		1.4		1.0	ug/L	8260B
Methylcyclohexane		4.0	^	1.0	ug/L	8260B
Toluene		0.32	J	1.0	ug/L	8260B
Xylenes, Total		0.56	J	3.0	ug/L	8260B
Isopropylbenzene		1.1		1.0	ug/L	8260B
Naphthalene		4.8	J	10	ug/L	8270C
Nickel		12.5	J	40.0	ug/L	6010B
Lead		4.8	J	5.0	ug/L	6010B
Zinc		22.7	J	30.0	ug/L	6010B
Sodium		74300		5000	ug/L	6010B
Potassium		5800		5000	ug/L	6010B
Barium		901		200	ug/L	6010B
Calcium		70400		5000	ug/L	6010B
Iron		926		150	ug/L	6010B
Magnesium		36000		5000	ug/L	6010B
Aluminum		782		200	ug/L	6010B
Manganese		1750		15.0	ug/L	6010B
Cobalt		68.8		50.0	ug/L	6010B
<i>Dissolved</i>						
Nickel		11.6	J	40.0	ug/L	6010B
Arsenic		5.3		5.0	ug/L	6010B
Zinc		15.3	J	30.0	ug/L	6010B
Sodium		66300		5000	ug/L	6010B
Potassium		5140		5000	ug/L	6010B
Barium		769		200	ug/L	6010B
Calcium		66900		5000	ug/L	6010B
Iron		124	J	150	ug/L	6010B
Magnesium		31400		5000	ug/L	6010B
Manganese		1640		15.0	ug/L	6010B
Cobalt		62.6		50.0	ug/L	6010B

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organics (GC/MS)	TAL EDI	SW846 8260B	
Purge and Trap	TAL EDI		SW846 5030B
Semivolatile Organics (GC/MS)	TAL EDI	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C
Semivolatile Organic Compounds (GC/MS SIM)	TAL EDI	SW846 8270C SIM	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C
Metals (ICP)	TAL EDI	SW846 6010B	
Preparation, Total Metals	TAL EDI		SW846 3010A
Metals (ICP)	TAL EDI	SW846 6010B	
Preparation, Total Metals	TAL EDI		SW846 3010A
Sample Filtration	TAL EDI		FILTRATION
Mercury (CVAA)	TAL EDI	SW846 7470A	
Preparation, Mercury	TAL EDI		SW846 7470A
Mercury (CVAA)	TAL EDI	SW846 7470A	
Preparation, Mercury	TAL EDI		SW846 7470A
Sample Filtration	TAL EDI		FILTRATION

Lab References:

TAL EDI = TestAmerica Edison

Method References:

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

METHOD / ANALYST SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Method	Analyst	Analyst ID
SW846 8260B	Martinez, Eddie	EM
SW846 8270C	Asfaw, Abebaye A.	AAA
SW846 8270C SIM	Zhao, Chunxin	CZ
SW846 6010B	Chang, Churn Der	CDC
SW846 6010B	Huang, Yixin	YH
SW846 7470A	Sheikh, Razia B	RBS

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Client Sample ID: WG-17338-111612-MW37-CG-269

Lab Sample ID: 460-47276-2

Date Sampled: 11/16/2012 1330

Client Matrix: Water

Date Received: 11/16/2012 1636

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-137198	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e10359.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/28/2012 0003			Final Weight/Volume:	5 mL
Prep Date:	11/28/2012 0003				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
Chloromethane	0.10	U	0.10	1.0
Vinyl chloride	0.14	U	0.14	1.0
Bromomethane	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	0.40	U	0.40	1.0
1,2-Dichlorobenzene	0.21	U	0.21	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
1,1-Dichloroethene	0.090	U	0.090	1.0
1,2-Dichloropropane	0.090	U	0.090	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	0.080	1.0
Acetone	2.7	U ^	2.7	5.0
Carbon disulfide	0.13	U	0.13	1.0
Methyl acetate	0.34	U	0.34	2.0
Methylene Chloride	0.18	U	0.18	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Methyl tert-butyl ether	0.14	U	0.14	1.0
Chloroethane	0.17	U	0.17	1.0
1,1-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.18	U	0.18	1.0
2-Butanone (MEK)	2.3	U	2.3	5.0
Chloroform	0.080	U	0.080	1.0
Ethylbenzene	0.10	U	0.10	1.0
Cyclohexane	7.3		0.16	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
Benzene	22		0.080	1.0
1,2-Dichloroethane	1.4		0.19	1.0
Trichloroethene	0.090	U	0.090	1.0
Methylcyclohexane	4.0	^	0.14	1.0
Dichlorobromomethane	0.12	U	0.12	1.0
cis-1,3-Dichloropropene	0.18	U	0.18	1.0
4-Methyl-2-pentanone (MIBK)	0.99	U	0.99	5.0
Toluene	0.32	J	0.15	1.0
trans-1,3-Dichloropropene	0.24	U	0.24	1.0
1,1,2-Trichloroethane	0.19	U	0.19	1.0
Tetrachloroethene	0.10	U	0.10	1.0
2-Hexanone	0.50	U	0.50	5.0
1,2-Dibromoethane	0.28	U	0.28	1.0
Chlorobenzene	0.11	U	0.11	1.0
Xylenes, Total	0.56	J	0.36	3.0
Styrene	0.12	U	0.12	1.0
Bromoform	0.19	U	0.19	1.0
Isopropylbenzene	1.1		0.080	1.0
1,1,2,2-Tetrachloroethane	0.16	U	0.16	1.0
1,3-Dichlorobenzene	0.14	U	0.14	1.0

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Client Sample ID: WG-17338-111612-MW37-CG-269

Lab Sample ID: 460-47276-2

Date Sampled: 11/16/2012 1330

Client Matrix: Water

Date Received: 11/16/2012 1636

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-137198	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e10359.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/28/2012 0003			Final Weight/Volume:	5 mL
Prep Date:	11/28/2012 0003				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene	0.23	U	0.23	1.0
1,2,4-Trichlorobenzene	0.34	U	0.34	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
4-Bromofluorobenzene	102		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Client Sample ID: WG-17338-111612-MW37-CG-269

Lab Sample ID: 460-47276-2

Date Sampled: 11/16/2012 1330

Client Matrix: Water

Date Received: 11/16/2012 1636

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-137198	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e10359.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/28/2012 0003			Final Weight/Volume:	5 mL
Prep Date:	11/28/2012 0003				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	C4H10 Alkane	1.05	18	J
	C5H12 Alkane	1.25	15	J
	C5H10 Cycloalkane	1.78	12	J
	C6H12 Cycloalkane	2.39	9.5	J

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Client Sample ID: WG-17338-111612-MW35-CG-268

Lab Sample ID: 460-47276-1

Date Sampled: 11/16/2012 1420

Client Matrix: Water

Date Received: 11/16/2012 1636

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-136933	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-136417	Lab File ID:	z14494.d
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	11/23/2012 1517			Final Weight/Volume:	2 mL
Prep Date:	11/20/2012 1611			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	2.9	U	2.9	10
Phenol	0.84	U	0.84	10
2,4,6-Trichlorophenol	2.5	U	2.5	10
Bis(2-chloroethyl)ether	0.29	U	0.29	1.0
2,4-Dichlorophenol	2.7	U	2.7	10
2-Chlorophenol	2.3	U	2.3	10
2,4-Dinitrotoluene	0.49	U	0.49	2.1
2,2'-oxybis[1-chloropropane]	2.1	U	2.1	10
Acetophenone	2.8	U	2.8	10
2-Methylnaphthalene	3.1	U	3.1	10
4-Methylphenol	1.7	U *	1.7	10
2-Methylphenol	1.9	U	1.9	10
2-Nitroaniline	5.1	U	5.1	21
Hexachloroethane	0.26	U	0.26	1.0
Nitrobenzene	0.31	U	0.31	1.0
4-Chloro-3-methylphenol	2.6	U	2.6	10
Isophorone	2.8	U	2.8	10
2-Nitrophenol	2.5	U	2.5	10
4-Chlorophenyl phenyl ether	2.6	U	2.6	10
2,4-Dimethylphenol	3.5	U	3.5	10
4-Nitroaniline	6.0	U	6.0	21
4-Nitrophenol	7.0	U *	7.0	31
Bis(2-chloroethoxy)methane	2.7	U	2.7	10
Atrazine	3.1	U	3.1	10
Naphthalene	2.8	U	2.8	10
Benzaldehyde	2.1	U	2.1	10
4-Chloroaniline	2.1	U	2.1	10
Hexachlorobutadiene	0.59	U	0.59	2.1
Benzo[k]fluoranthene	0.27	U	0.27	1.0
Caprolactam	2.6	U	2.6	10
Carbazole	3.3	U	3.3	10
Hexachlorocyclopentadiene	1.8	U	1.8	10
Dibenz(a,h)anthracene	0.094	U	0.094	1.0
2,4,5-Trichlorophenol	2.7	U	2.7	10
Dimethyl phthalate	2.9	U	2.9	10
2-Chloronaphthalene	2.8	U	2.8	10
Fluoranthene	3.3	U	3.3	10
Fluorene	2.9	U	2.9	10
2,6-Dinitrotoluene	0.64	U	0.64	2.1
Acenaphthylene	2.8	U	2.8	10
3-Nitroaniline	5.2	U	5.2	21
N-Nitrosodi-n-propylamine	0.26	U	0.26	1.0
Acenaphthene	2.8	U	2.8	10
2,4-Dinitrophenol	5.6	U	5.6	31
Dibenzofuran	2.9	U	2.9	10
Diethyl phthalate	3.0	U	3.0	10

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Client Sample ID: WG-17338-111612-MW35-CG-268

Lab Sample ID: 460-47276-1

Date Sampled: 11/16/2012 1420

Client Matrix: Water

Date Received: 11/16/2012 1636

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-136933	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-136417	Lab File ID:	z14494.d
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	11/23/2012 1517			Final Weight/Volume:	2 mL
Prep Date:	11/20/2012 1611			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,6-Dinitro-2-methylphenol	4.9	U	4.9	31
N-Nitrosodiphenylamine	3.0	U	3.0	10
4-Bromophenyl phenyl ether	2.6	U	2.6	10
Phenanthrene	3.2	U	3.2	10
Anthracene	2.9	U	2.9	10
Di-n-butyl phthalate	3.0	U	3.0	10
Pyrene	3.0	U	3.0	10
Butyl benzyl phthalate	2.6	U	2.6	10
3,3'-Dichlorobenzidine	5.1	U	5.1	21
Chrysene	3.2	U	3.2	10
Bis(2-ethylhexyl) phthalate	2.1	U	2.1	10
Di-n-octyl phthalate	1.6	U	1.6	10
Indeno[1,2,3-cd]pyrene	0.16	U *	0.16	1.0
Benzo[g,h,i]perylene	2.1	U	2.1	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	89		46 - 122
2-Fluorobiphenyl	90		53 - 108
2-Fluorophenol (Surr)	53		10 - 65
Nitrobenzene-d5 (Surr)	90		56 - 112
Phenol-d5 (Surr)	36		10 - 48
Terphenyl-d14 (Surr)	87		50 - 122

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Client Sample ID: WG-17338-111612-MW35-CG-268

Lab Sample ID: 460-47276-1

Date Sampled: 11/16/2012 1420

Client Matrix: Water

Date Received: 11/16/2012 1636

8270C Semivolatile Organics (GC/MS)

Analysis Method: 8270C

Analysis Batch: 460-136933

Instrument ID: BNAMS11

Prep Method: 3510C

Prep Batch: 460-136417

Lab File ID: z14494.d

Dilution: 1.0

Initial Weight/Volume: 960 mL

Analysis Date: 11/23/2012 1517

Final Weight/Volume: 2 mL

Prep Date: 11/20/2012 1611

Injection Volume: 1 uL

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

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

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Client Sample ID: WG-17338-111612-MW37-CG-269

Lab Sample ID: 460-47276-2

Date Sampled: 11/16/2012 1330

Client Matrix: Water

Date Received: 11/16/2012 1636

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-136933	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-136417	Lab File ID:	z14495.d
Dilution:	1.0			Initial Weight/Volume:	970 mL
Analysis Date:	11/23/2012 1538			Final Weight/Volume:	2 mL
Prep Date:	11/20/2012 1611			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	2.9	U	2.9	10
Phenol	0.84	U	0.84	10
2,4,6-Trichlorophenol	2.5	U	2.5	10
Bis(2-chloroethyl)ether	0.29	U	0.29	1.0
2,4-Dichlorophenol	2.7	U	2.7	10
2-Chlorophenol	2.3	U	2.3	10
2,4-Dinitrotoluene	0.48	U	0.48	2.1
2,2'-oxybis[1-chloropropane]	2.1	U	2.1	10
Acetophenone	2.8	U	2.8	10
2-Methylnaphthalene	3.1	U	3.1	10
4-Methylphenol	1.6	U *	1.6	10
2-Methylphenol	1.9	U	1.9	10
2-Nitroaniline	5.1	U	5.1	21
Hexachloroethane	0.26	U	0.26	1.0
Nitrobenzene	0.31	U	0.31	1.0
4-Chloro-3-methylphenol	2.6	U	2.6	10
Isophorone	2.8	U	2.8	10
2-Nitrophenol	2.5	U	2.5	10
4-Chlorophenyl phenyl ether	2.6	U	2.6	10
2,4-Dimethylphenol	3.5	U	3.5	10
4-Nitroaniline	6.0	U	6.0	21
4-Nitrophenol	6.9	U *	6.9	31
Bis(2-chloroethoxy)methane	2.7	U	2.7	10
Atrazine	3.1	U	3.1	10
Naphthalene	4.8	J	2.8	10
Benzaldehyde	2.1	U	2.1	10
4-Chloroaniline	2.1	U	2.1	10
Hexachlorobutadiene	0.59	U	0.59	2.1
Benzo[k]fluoranthene	0.27	U	0.27	1.0
Caprolactam	2.6	U	2.6	10
Carbazole	3.3	U	3.3	10
Hexachlorocyclopentadiene	1.8	U	1.8	10
Dibenz(a,h)anthracene	0.093	U	0.093	1.0
2,4,5-Trichlorophenol	2.7	U	2.7	10
Dimethyl phthalate	2.9	U	2.9	10
2-Chloronaphthalene	2.8	U	2.8	10
Fluoranthene	3.3	U	3.3	10
Fluorene	2.9	U	2.9	10
2,6-Dinitrotoluene	0.63	U	0.63	2.1
Acenaphthylene	2.8	U	2.8	10
3-Nitroaniline	5.2	U	5.2	21
N-Nitrosodi-n-propylamine	0.26	U	0.26	1.0
Acenaphthene	2.8	U	2.8	10
2,4-Dinitrophenol	5.6	U	5.6	31
Dibenzofuran	2.9	U	2.9	10
Diethyl phthalate	3.0	U	3.0	10

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Client Sample ID: WG-17338-111612-MW37-CG-269

Lab Sample ID: 460-47276-2

Date Sampled: 11/16/2012 1330

Client Matrix: Water

Date Received: 11/16/2012 1636

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-136933	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-136417	Lab File ID:	z14495.d
Dilution:	1.0			Initial Weight/Volume:	970 mL
Analysis Date:	11/23/2012 1538			Final Weight/Volume:	2 mL
Prep Date:	11/20/2012 1611			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,6-Dinitro-2-methylphenol	4.8	U	4.8	31
N-Nitrosodiphenylamine	3.0	U	3.0	10
4-Bromophenyl phenyl ether	2.6	U	2.6	10
Phenanthrene	3.2	U	3.2	10
Anthracene	2.9	U	2.9	10
Di-n-butyl phthalate	3.0	U	3.0	10
Pyrene	3.0	U	3.0	10
Butyl benzyl phthalate	2.6	U	2.6	10
3,3'-Dichlorobenzidine	5.1	U	5.1	21
Chrysene	3.2	U	3.2	10
Bis(2-ethylhexyl) phthalate	2.1	U	2.1	10
Di-n-octyl phthalate	1.5	U	1.5	10
Indeno[1,2,3-cd]pyrene	0.15	U *	0.15	1.0
Benzo[g,h,i]perylene	2.1	U	2.1	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	90		46 - 122
2-Fluorobiphenyl	90		53 - 108
2-Fluorophenol (Surr)	51		10 - 65
Nitrobenzene-d5 (Surr)	89		56 - 112
Phenol-d5 (Surr)	33		10 - 48
Terphenyl-d14 (Surr)	87		50 - 122

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Client Sample ID: WG-17338-111612-MW37-CG-269

Lab Sample ID: 460-47276-2

Date Sampled: 11/16/2012 1330

Client Matrix: Water

Date Received: 11/16/2012 1636

8270C Semivolatile Organics (GC/MS)

Analysis Method: 8270C

Analysis Batch: 460-136933

Instrument ID: BNAMS11

Prep Method: 3510C

Prep Batch: 460-136417

Lab File ID: z14495.d

Dilution: 1.0

Initial Weight/Volume: 970 mL

Analysis Date: 11/23/2012 1538

Final Weight/Volume: 2 mL

Prep Date: 11/20/2012 1611

Injection Volume: 1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown Alcohol	1.33	42	J
597-96-6	3-Hexanol, 3-methyl-	2.17	34	J N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Client Sample ID: WG-17338-111612-MW35-CG-268

Lab Sample ID: 460-47276-1

Date Sampled: 11/16/2012 1420

Client Matrix: Water

Date Received: 11/16/2012 1636

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	460-137127	Instrument ID:	BNAMS9
Prep Method:	3510C	Prep Batch:	460-136417	Lab File ID:	h105601.d
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	11/22/2012 0752			Final Weight/Volume:	2 mL
Prep Date:	11/20/2012 1611			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzo[a]anthracene	0.036	U	0.036	0.052
Benzo[a]pyrene	0.049	U	0.049	0.052
Benzo[b]fluoranthene	0.031	U	0.031	0.052
Pentachlorophenol	0.15	U	0.15	0.21
Hexachlorobenzene	0.018	U	0.018	0.021

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Client Sample ID: WG-17338-111612-MW37-CG-269

Lab Sample ID: 460-47276-2

Date Sampled: 11/16/2012 1330

Client Matrix: Water

Date Received: 11/16/2012 1636

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	460-137127	Instrument ID:	BNAMS9
Prep Method:	3510C	Prep Batch:	460-136417	Lab File ID:	h105602.d
Dilution:	1.0			Initial Weight/Volume:	970 mL
Analysis Date:	11/22/2012 0822			Final Weight/Volume:	2 mL
Prep Date:	11/20/2012 1611			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzo[a]anthracene	0.036	U	0.036	0.052
Benzo[a]pyrene	0.049	U	0.049	0.052
Benzo[b]fluoranthene	0.031	U	0.031	0.052
Pentachlorophenol	0.14	U	0.14	0.21
Hexachlorobenzene	0.017	U	0.017	0.021

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Client Sample ID: WG-17338-111612-MW37-CG-269

Lab Sample ID: 460-47276-2

Date Sampled: 11/16/2012 1330

Client Matrix: Water

Date Received: 11/16/2012 1636

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-136514	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-136316	Lab File ID:	136422.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/21/2012 0108			Final Weight/Volume:	50 mL
Prep Date:	11/20/2012 0739				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cadmium	0.82	U	0.82	5.0
Antimony	7.4	U	7.4	10.0
Beryllium	0.78	U	0.78	2.0
Thallium	5.2	U	5.2	10.0
Nickel	12.5	J	5.0	40.0
Silver	1.3	U	1.3	10.0
Arsenic	3.7	U	3.7	5.0
Copper	7.8	U	7.8	25.0
Lead	4.8	J	4.0	5.0
Zinc	22.7	J	5.8	30.0
Selenium	5.8	U	5.8	10.0
Chromium	4.5	U	4.5	10.0
Sodium	74300		821	5000
Potassium	5800		525	5000
Barium	901		5.9	200
Calcium	70400		305	5000
Iron	926		73.6	150
Vanadium	4.0	U	4.0	50.0
Magnesium	36000		321	5000
Aluminum	782		72.1	200
Manganese	1750		4.3	15.0
Cobalt	68.8		4.3	50.0

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	460-137173	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-136906	Lab File ID:	11272012.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/27/2012 1630			Final Weight/Volume:	100 mL
Prep Date:	11/26/2012 0901				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cadmium	0.82	U	0.82	5.0
Antimony	7.4	U	7.4	10.0
Beryllium	0.78	U	0.78	2.0
Thallium	5.2	U	5.2	10.0
Nickel	11.6	J	5.0	40.0
Silver	1.3	U	1.3	10.0
Arsenic	5.3		3.7	5.0
Copper	7.8	U	7.8	25.0
Lead	4.0	U	4.0	5.0
Zinc	15.3	J	5.8	30.0
Selenium	5.8	U	5.8	10.0
Chromium	4.5	U	4.5	10.0
Sodium	66300		821	5000

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Client Sample ID: WG-17338-111612-MW37-CG-269

Lab Sample ID: 460-47276-2

Date Sampled: 11/16/2012 1330

Client Matrix: Water

Date Received: 11/16/2012 1636

6010B Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Potassium	5140		525	5000
Barium	769		5.9	200
Calcium	66900		305	5000
Iron	124	J	73.6	150
Vanadium	4.0	U	4.0	50.0
Magnesium	31400		321	5000
Aluminum	72.1	U	72.1	200
Manganese	1640		4.3	15.0
Cobalt	62.6		4.3	50.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-136407	Instrument ID:	LEEMAN3
Prep Method:	7470A	Prep Batch:	460-136356	Lab File ID:	136356hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	11/20/2012 1338			Final Weight/Volume:	30 mL
Prep Date:	11/20/2012 1030				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.16	U	0.16	0.20

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	460-137007	Instrument ID:	LEEMAN3
Prep Method:	7470A	Prep Batch:	460-136946	Lab File ID:	136928hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	11/26/2012 1513			Final Weight/Volume:	30 mL
Prep Date:	11/26/2012 1215				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.16	U	0.16	0.20

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Surrogate Recovery Report

8260B Volatile Organics (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
460-47276-2	WG-17338-111612-M W37-CG-269	98	100	102
MB 460-137198/4		101	100	98
LCS 460-137198/3		101	99	98
LCSD 460-137198/6		101	102	100

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

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Surrogate Recovery Report**8270C Semivolatile Organics (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
460-47276-1	WG-17338-111612-M W35-CG-268	53	36	90	90	89	87
460-47276-2	WG-17338-111612-M W37-CG-269	51	33	89	90	90	87
MB 460-136417/1-A		54	38	91	89	93	88
LCS 460-136417/2-A		51	34	88	86	88	87
LCSD 460-136417/3-A		52	37	90	89	93	90

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	10-65
PHL = Phenol-d5 (Surr)	10-48
NBZ = Nitrobenzene-d5 (Surr)	56-112
FBP = 2-Fluorobiphenyl	53-108
TBP = 2,4,6-Tribromophenol (Surr)	46-122
TPH = Terphenyl-d14 (Surr)	50-122

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Method Blank - Batch: 460-137198

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 460-137198/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/27/2012 2242
Prep Date: 11/27/2012 2242
Leach Date: N/A

Analysis Batch: 460-137198
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: VOAMS5
Lab File ID: e10356.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
Chloromethane	0.10	U	0.10	1.0
Vinyl chloride	0.14	U	0.14	1.0
Bromomethane	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	0.40	U	0.40	1.0
1,2-Dichlorobenzene	0.21	U	0.21	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
1,1-Dichloroethene	0.090	U	0.090	1.0
1,2-Dichloropropane	0.090	U	0.090	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	0.080	1.0
Acetone	2.7	U	2.7	5.0
Carbon disulfide	0.13	U	0.13	1.0
Methyl acetate	0.34	U	0.34	2.0
Methylene Chloride	0.18	U	0.18	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Methyl tert-butyl ether	0.14	U	0.14	1.0
Chloroethane	0.17	U	0.17	1.0
1,1-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.18	U	0.18	1.0
2-Butanone (MEK)	2.3	U	2.3	5.0
Chloroform	0.080	U	0.080	1.0
Ethylbenzene	0.10	U	0.10	1.0
Cyclohexane	0.16	U	0.16	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
Benzene	0.080	U	0.080	1.0
1,2-Dichloroethane	0.19	U	0.19	1.0
Trichloroethene	0.090	U	0.090	1.0
Methylcyclohexane	0.14	U	0.14	1.0
Dichlorobromomethane	0.12	U	0.12	1.0
cis-1,3-Dichloropropene	0.18	U	0.18	1.0
4-Methyl-2-pentanone (MIBK)	0.99	U	0.99	5.0
Toluene	0.15	U	0.15	1.0
trans-1,3-Dichloropropene	0.24	U	0.24	1.0
1,1,2-Trichloroethane	0.19	U	0.19	1.0
Tetrachloroethene	0.10	U	0.10	1.0
2-Hexanone	0.50	U	0.50	5.0
1,2-Dibromoethane	0.28	U	0.28	1.0
Chlorobenzene	0.11	U	0.11	1.0
Xylenes, Total	0.36	U	0.36	3.0
Styrene	0.12	U	0.12	1.0
Bromoform	0.19	U	0.19	1.0
Isopropylbenzene	0.080	U	0.080	1.0
1,1,2,2-Tetrachloroethane	0.16	U	0.16	1.0

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Method Blank - Batch: 460-137198

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 460-137198/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/27/2012 2242
 Prep Date: 11/27/2012 2242
 Leach Date: N/A

Analysis Batch: 460-137198
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: VOAMS5
 Lab File ID: e10356.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,3-Dichlorobenzene	0.14	U	0.14	1.0
1,4-Dichlorobenzene	0.23	U	0.23	1.0
1,2,4-Trichlorobenzene	0.34	U	0.34	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	70 - 130
4-Bromofluorobenzene	98	70 - 130
Toluene-d8 (Surr)	100	70 - 130

Method Blank TICs- Batch: 460-137198

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

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-137198**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID:	LCS 460-137198/3	Analysis Batch:	460-137198	Instrument ID:	VOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	e10352.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/27/2012 2024	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/27/2012 2024				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-137198/6	Analysis Batch:	460-137198	Instrument ID:	VOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	e10360.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/28/2012 0027	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/28/2012 0027				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,1-Trichloroethane	88	100	74 - 128	12	30		
Dichlorodifluoromethane	92	101	46 - 145	9	30		
Chloromethane	93	98	58 - 146	5	30		
Vinyl chloride	89	98	61 - 144	10	30		
Bromomethane	89	96	55 - 153	8	30		
1,2-Dibromo-3-Chloropropane	111	94	70 - 116	16	30		
1,2-Dichlorobenzene	97	95	82 - 122	2	30		
Trichlorofluoromethane	86	101	69 - 147	16	30		
1,1-Dichloroethene	89	103	56 - 139	15	30		
1,2-Dichloropropane	93	102	80 - 120	9	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	112	94	47 - 139	18	30		
Acetone	120	97	45 - 156	21	30		
Carbon disulfide	96	98	58 - 139	2	30		
Methyl acetate	111	84	50 - 151	27	30		
Methylene Chloride	93	100	79 - 119	7	30		
trans-1,2-Dichloroethene	90	97	75 - 122	7	30		
Chlorodibromomethane	96	100	80 - 120	5	30		
Methyl tert-butyl ether	101	96	71 - 115	5	30		
Chloroethane	89	98	69 - 145	9	30		
1,1-Dichloroethane	91	98	78 - 122	8	30		
cis-1,2-Dichloroethene	91	102	80 - 120	11	30		
2-Butanone (MEK)	99	93	65 - 114	7	30		
Chloroform	88	101	82 - 123	14	30		
Ethylbenzene	91	99	79 - 126	8	30		
Cyclohexane	117	98	58 - 133	18	30		
Carbon tetrachloride	89	95	73 - 120	6	30		
Benzene	90	100	83 - 124	11	30		
1,2-Dichloroethane	95	99	74 - 118	4	30		
Trichloroethene	94	100	78 - 119	6	30		
Methylcyclohexane	122	97	61 - 129	23	30		
Dichlorobromomethane	93	101	79 - 119	8	30		
cis-1,3-Dichloropropene	93	100	80 - 120	8	30		
4-Methyl-2-pentanone (MIBK)	104	97	53 - 120	7	30		
Toluene	91	100	80 - 120	10	30		
trans-1,3-Dichloropropene	94	103	78 - 118	10	30		
1,1,2-Trichloroethane	93	101	79 - 119	8	30		

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-137198**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID:	LCS 460-137198/3	Analysis Batch:	460-137198	Instrument ID:	VOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	e10352.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/27/2012 2024	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/27/2012 2024				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-137198/6	Analysis Batch:	460-137198	Instrument ID:	VOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	e10360.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/28/2012 0027	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/28/2012 0027				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Tetrachloroethene	92	101	68 - 139	10	30		
2-Hexanone	108	95	53 - 121	12	30		
1,2-Dibromoethane	98	99	78 - 118	1	30		
Chlorobenzene	93	100	81 - 121	8	30		
Xylenes, Total	94	99	76 - 121	5	30		
Styrene	94	99	69 - 112	6	30		
Bromoform	97	97	73 - 123	1	30		
Isopropylbenzene	96	98	80 - 125	3	30		
1,1,2,2-Tetrachloroethane	98	99	74 - 126	2	30		
1,3-Dichlorobenzene	95	97	81 - 126	1	30		
1,4-Dichlorobenzene	96	97	83 - 123	1	30		
1,2,4-Trichlorobenzene	110	93	66 - 120	17	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	101		101		70 - 130		
4-Bromofluorobenzene	98		100		70 - 130		
Toluene-d8 (Surr)	99		102		70 - 130		

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 460-137198**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 460-137198/3 Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/27/2012 2024
Prep Date: 11/27/2012 2024
Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-137198/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/28/2012 0027
Prep Date: 11/28/2012 0027
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1-Trichloroethane	20.0	20.0	17.7	20.0
Dichlorodifluoromethane	20.0	20.0	18.5	20.2
Chloromethane	20.0	20.0	18.5	19.5
Vinyl chloride	20.0	20.0	17.8	19.6
Bromomethane	20.0	20.0	17.8	19.2
1,2-Dibromo-3-Chloropropane	20.0	20.0	22.1	18.9
1,2-Dichlorobenzene	20.0	20.0	19.4	19.1
Trichlorofluoromethane	20.0	20.0	17.1	20.2
1,1-Dichloroethene	20.0	20.0	17.8	20.7
1,2-Dichloropropane	20.0	20.0	18.5	20.3
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.0	22.5	18.7
Acetone	20.0	20.0	23.9	19.3
Carbon disulfide	20.0	20.0	19.2	19.6
Methyl acetate	20.0	20.0	22.2	16.9
Methylene Chloride	20.0	20.0	18.6	20.0
trans-1,2-Dichloroethene	20.0	20.0	18.1	19.5
Chlorodibromomethane	20.0	20.0	19.1	20.1
Methyl tert-butyl ether	20.0	20.0	20.1	19.2
Chloroethane	20.0	20.0	17.9	19.6
1,1-Dichloroethane	20.0	20.0	18.1	19.6
cis-1,2-Dichloroethene	20.0	20.0	18.3	20.4
2-Butanone (MEK)	20.0	20.0	19.9	18.5
Chloroform	20.0	20.0	17.6	20.3
Ethylbenzene	20.0	20.0	18.2	19.8
Cyclohexane	20.0	20.0	23.3	19.5
Carbon tetrachloride	20.0	20.0	17.8	19.0
Benzene	20.0	20.0	18.0	20.0
1,2-Dichloroethane	20.0	20.0	18.9	19.7
Trichloroethene	20.0	20.0	18.8	19.9
Methylcyclohexane	20.0	20.0	24.4	19.3
Dichlorobromomethane	20.0	20.0	18.7	20.2
cis-1,3-Dichloropropene	20.0	20.0	18.5	20.0
4-Methyl-2-pentanone (MIBK)	20.0	20.0	20.7	19.3
Toluene	20.0	20.0	18.2	20.1
trans-1,3-Dichloropropene	20.0	20.0	18.7	20.7
1,1,2-Trichloroethane	20.0	20.0	18.6	20.1
Tetrachloroethene	20.0	20.0	18.3	20.2
2-Hexanone	20.0	20.0	21.5	19.0
1,2-Dibromoethane	20.0	20.0	19.6	19.8

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 460-137198**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 460-137198/3 Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/27/2012 2024
Prep Date: 11/27/2012 2024
Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-137198/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/28/2012 0027
Prep Date: 11/28/2012 0027
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chlorobenzene	20.0	20.0	18.6	20.1
Xylenes, Total	60.0	60.0	56.4	59.5
Styrene	20.0	20.0	18.7	19.8
Bromoform	20.0	20.0	19.5	19.4
Isopropylbenzene	20.0	20.0	19.2	19.7
1,1,2,2-Tetrachloroethane	20.0	20.0	19.5	19.9
1,3-Dichlorobenzene	20.0	20.0	19.1	19.3
1,4-Dichlorobenzene	20.0	20.0	19.3	19.5
1,2,4-Trichlorobenzene	20.0	20.0	22.0	18.5

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Method Blank - Batch: 460-136417

Method: 8270C Preparation: 3510C

Lab Sample ID: MB 460-136417/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/23/2012 1352
Prep Date: 11/20/2012 1611
Leach Date: N/A

Analysis Batch: 460-136933
Prep Batch: 460-136417
Leach Batch: N/A
Units: ug/L

Instrument ID: BNAMS11
Lab File ID: z14490.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	2.8	U	2.8	10
Phenol	0.81	U	0.81	10
2,4,6-Trichlorophenol	2.4	U	2.4	10
Bis(2-chloroethyl)ether	0.28	U	0.28	1.0
2,4-Dichlorophenol	2.6	U	2.6	10
2-Chlorophenol	2.2	U	2.2	10
2,4-Dinitrotoluene	0.47	U	0.47	2.0
2,2'-oxybis[1-chloropropane]	2.0	U	2.0	10
Acetophenone	2.7	U	2.7	10
2-Methylnaphthalene	3.0	U	3.0	10
4-Methylphenol	1.6	U	1.6	10
2-Methylphenol	1.8	U	1.8	10
2-Nitroaniline	4.9	U	4.9	20
Hexachloroethane	0.25	U	0.25	1.0
Nitrobenzene	0.30	U	0.30	1.0
4-Chloro-3-methylphenol	2.5	U	2.5	10
Isophorone	2.7	U	2.7	10
2-Nitrophenol	2.4	U	2.4	10
4-Chlorophenyl phenyl ether	2.5	U	2.5	10
2,4-Dimethylphenol	3.4	U	3.4	10
4-Nitroaniline	5.8	U	5.8	20
4-Nitrophenol	6.7	U	6.7	30
Bis(2-chloroethoxy)methane	2.6	U	2.6	10
Atrazine	3.0	U	3.0	10
Naphthalene	2.7	U	2.7	10
Benzaldehyde	2.0	U	2.0	10
4-Chloroaniline	2.0	U	2.0	10
Benzo[a]pyrene	0.14	U	0.14	1.0
Hexachlorobutadiene	0.57	U	0.57	2.0
Benzo[k]fluoranthene	0.26	U	0.26	1.0
Caprolactam	2.5	U	2.5	10
Carbazole	3.2	U	3.2	10
Hexachlorocyclopentadiene	1.7	U	1.7	10
Dibenz(a,h)anthracene	0.090	U	0.090	1.0
2,4,5-Trichlorophenol	2.6	U	2.6	10
Dimethyl phthalate	2.8	U	2.8	10
2-Chloronaphthalene	2.7	U	2.7	10
Fluoranthene	3.2	U	3.2	10
Fluorene	2.8	U	2.8	10
2,6-Dinitrotoluene	0.61	U	0.61	2.0
Acenaphthylene	2.7	U	2.7	10
3-Nitroaniline	5.0	U	5.0	20
N-Nitrosodi-n-propylamine	0.25	U	0.25	1.0
Acenaphthene	2.7	U	2.7	10
2,4-Dinitrophenol	5.4	U	5.4	30

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Method Blank - Batch: 460-136417

Method: 8270C

Preparation: 3510C

Lab Sample ID: MB 460-136417/1-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/23/2012 1352
 Prep Date: 11/20/2012 1611
 Leach Date: N/A

Analysis Batch: 460-136933
 Prep Batch: 460-136417
 Leach Batch: N/A
 Units: ug/L

Instrument ID: BNAMS11
 Lab File ID: z14490.d
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 2 mL
 Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Dibenzofuran	2.8	U	2.8	10
Diethyl phthalate	2.9	U	2.9	10
4,6-Dinitro-2-methylphenol	4.7	U	4.7	30
N-Nitrosodiphenylamine	2.9	U	2.9	10
4-Bromophenyl phenyl ether	2.5	U	2.5	10
Hexachlorobenzene	0.29	U	0.29	1.0
Pentachlorophenol	5.3	U	5.3	30
Phenanthrene	3.1	U	3.1	10
Anthracene	2.8	U	2.8	10
Di-n-butyl phthalate	2.9	U	2.9	10
Pyrene	2.9	U	2.9	10
Butyl benzyl phthalate	2.5	U	2.5	10
3,3'-Dichlorobenzidine	4.9	U	4.9	20
Benzo[a]anthracene	0.27	U	0.27	1.0
Chrysene	3.1	U	3.1	10
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	10
Di-n-octyl phthalate	1.5	U	1.5	10
Benzo[b]fluoranthene	0.26	U	0.26	1.0
Indeno[1,2,3-cd]pyrene	0.15	U	0.15	1.0
Benzo[g,h,i]perylene	2.0	U	2.0	10

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	93	46 - 122
2-Fluorobiphenyl	89	53 - 108
2-Fluorophenol (Surr)	54	10 - 65
Nitrobenzene-d5 (Surr)	91	56 - 112
Phenol-d5 (Surr)	38	10 - 48
Terphenyl-d14 (Surr)	88	50 - 122

Method Blank TICs- Batch: 460-136417

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

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-136417

Method: 8270C

Preparation: 3510C

LCS Lab Sample ID: LCS 460-136417/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/23/2012 1413
Prep Date: 11/20/2012 1611
Leach Date: N/A

Analysis Batch: 460-136933
Prep Batch: 460-136417
Leach Batch: N/A
Units: ug/L

Instrument ID: BNAMS11
Lab File ID: z14491.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

LCSD Lab Sample ID: LCSD 460-136417/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/23/2012 1456
Prep Date: 11/20/2012 1611
Leach Date: N/A

Analysis Batch: 460-136933
Prep Batch: 460-136417
Leach Batch: N/A
Units: ug/L

Instrument ID: BNAMS11
Lab File ID: z14493.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1'-Biphenyl	90	90	66 - 112	1	30		
Phenol	40	42	12 - 44	4	30		
2,4,6-Trichlorophenol	95	97	67 - 111	2	30		
Bis(2-chloroethyl)ether	91	90	62 - 108	1	30		
2,4-Dichlorophenol	95	99	64 - 107	4	30		
2-Chlorophenol	89	89	53 - 101	0	30		
2,4-Dinitrotoluene	89	94	65 - 113	5	30		
2,2'-oxybis[1-chloropropane]	96	92	68 - 107	4	30		
Acetophenone	93	93	68 - 109	0	30		
2-Methylnaphthalene	90	92	66 - 102	2	30		
4-Methylphenol	76	78	30 - 75	3	30	*	*
2-Methylphenol	81	81	40 - 90	1	30		
2-Nitroaniline	90	108	73 - 116	19	30		
Hexachloroethane	85	85	50 - 99	0	30		
Nitrobenzene	90	89	66 - 106	1	30		
4-Chloro-3-methylphenol	93	97	57 - 106	4	30		
Isophorone	87	87	68 - 108	1	30		
2-Nitrophenol	90	93	65 - 107	3	30		
4-Chlorophenyl phenyl ether	90	92	68 - 105	2	30		
2,4-Dimethylphenol	88	92	55 - 100	5	30		
4-Nitroaniline	92	97	49 - 119	5	30		
4-Nitrophenol	47	52	10 - 44	10	30	*	*
Bis(2-chloroethoxy)methane	91	93	69 - 108	2	30		
Atrazine	74	73	56 - 116	1	30		
Naphthalene	89	90	63 - 101	1	30		
Benzaldehyde	128	126	52 - 150	1	30		
4-Chloroaniline	89	83	58 - 105	6	30		
Benzo[a]pyrene	89	93	58 - 101	4	30		
Hexachlorobutadiene	84	86	52 - 99	2	30		
Benzo[k]fluoranthene	85	88	66 - 114	3	30		
Caprolactam	26	26	10 - 30	1	30		
Carbazole	92	95	67 - 110	4	30		
Hexachlorocyclopentadiene	76	80	40 - 105	6	30		
Dibenz(a,h)anthracene	91	92	67 - 124	0	30		
2,4,5-Trichlorophenol	93	97	67 - 114	5	30		
Dimethyl phthalate	93	95	69 - 111	2	30		

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-136417

Method: 8270C

Preparation: 3510C

LCS Lab Sample ID: LCS 460-136417/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/23/2012 1413
Prep Date: 11/20/2012 1611
Leach Date: N/A

Analysis Batch: 460-136933
Prep Batch: 460-136417
Leach Batch: N/A
Units: ug/L

Instrument ID: BNAMS11
Lab File ID: z14491.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

LCSD Lab Sample ID: LCSD 460-136417/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/23/2012 1456
Prep Date: 11/20/2012 1611
Leach Date: N/A

Analysis Batch: 460-136933
Prep Batch: 460-136417
Leach Batch: N/A
Units: ug/L

Instrument ID: BNAMS11
Lab File ID: z14493.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
2-Chloronaphthalene	90	92	65 - 107	1	30		
Fluoranthene	90	94	68 - 108	5	30		
Fluorene	91	92	68 - 105	2	30		
2,6-Dinitrotoluene	88	92	68 - 114	4	30		
Acenaphthylene	91	93	67 - 107	1	30		
3-Nitroaniline	94	95	59 - 108	1	30		
N-Nitrosodi-n-propylamine	98	96	70 - 109	2	30		
Acenaphthene	90	91	66 - 108	1	30		
2,4-Dinitrophenol	82	93	19 - 113	13	30		
Dibenzofuran	91	93	68 - 105	2	30		
Diethyl phthalate	90	94	66 - 109	4	30		
4,6-Dinitro-2-methylphenol	88	95	58 - 115	8	30		
N-Nitrosodiphenylamine	97	99	71 - 121	2	30		
4-Bromophenyl phenyl ether	91	92	66 - 110	1	30		
Hexachlorobenzene	88	90	65 - 107	2	30		
Pentachlorophenol	91	97	55 - 116	7	30		
Phenanthrene	91	94	68 - 110	3	30		
Anthracene	88	91	68 - 108	3	30		
Di-n-butyl phthalate	88	95	68 - 111	7	30		
Pyrene	88	88	61 - 110	1	30		
Butyl benzyl phthalate	87	91	66 - 115	5	30		
3,3'-Dichlorobenzidine	85	88	69 - 129	4	30		
Benzo[a]anthracene	90	92	65 - 106	3	30		
Chrysene	90	92	68 - 112	3	30		
Bis(2-ethylhexyl) phthalate	87	91	66 - 114	5	30		
Di-n-octyl phthalate	84	87	51 - 115	4	30		
Benzo[b]fluoranthene	87	88	65 - 111	1	30		
Indeno[1,2,3-cd]pyrene	67	69	68 - 121	3	30	*	
Benzo[g,h,i]perylene	89	90	65 - 134	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	88	93	46 - 122
2-Fluorobiphenyl	86	89	53 - 108
2-Fluorophenol (Surr)	51	52	10 - 65
Nitrobenzene-d5 (Surr)	88	90	56 - 112
Phenol-d5 (Surr)	34	37	10 - 48

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Terphenyl-d14 (Surr)	87	90	50 - 122

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 460-136417

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID: LCS 460-136417/2-A Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/23/2012 1413
Prep Date: 11/20/2012 1611
Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-136417/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/23/2012 1456
Prep Date: 11/20/2012 1611
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1'-Biphenyl	100	100	89.6	90.2
Phenol	100	100	40.1	41.7
2,4,6-Trichlorophenol	100	100	94.6	96.8
Bis(2-chloroethyl)ether	100	100	90.9	89.6
2,4-Dichlorophenol	100	100	94.7	98.8
2-Chlorophenol	100	100	89.0	88.8
2,4-Dinitrotoluene	100	100	89.3	93.7
2,2'-oxybis[1-chloropropane]	100	100	95.9	91.8
Acetophenone	100	100	93.3	93.0
2-Methylnaphthalene	100	100	90.2	91.9
4-Methylphenol	100	100	76.2	78.5
2-Methylphenol	100	100	81.0	81.5
2-Nitroaniline	100	100	89.7	108
Hexachloroethane	100	100	84.9	85.2
Nitrobenzene	100	100	90.2	89.4
4-Chloro-3-methylphenol	100	100	93.0	97.3
Isophorone	100	100	86.7	87.2
2-Nitrophenol	100	100	90.0	92.8
4-Chlorophenyl phenyl ether	100	100	90.0	92.2
2,4-Dimethylphenol	100	100	87.9	92.2
4-Nitroaniline	100	100	92.4	97.1
4-Nitrophenol	100	100	47.3	52.1
Bis(2-chloroethoxy)methane	100	100	91.4	92.9
Atrazine	100	100	73.9	73.2
Naphthalene	100	100	89.2	89.8
Benzaldehyde	100	100	128	126
4-Chloroaniline	100	100	88.7	83.3
Benzo[a]pyrene	100	100	89.5	93.0
Hexachlorobutadiene	100	100	84.3	86.1
Benzo[k]fluoranthene	100	100	85.4	88.2
Caprolactam	100	100	26.1	25.8
Carbazole	100	100	91.8	95.2
Hexachlorocyclopentadiene	100	100	75.9	80.4
Dibenz(a,h)anthracene	100	100	91.2	91.6
2,4,5-Trichlorophenol	100	100	93.0	97.4
Dimethyl phthalate	100	100	92.9	94.9
2-Chloronaphthalene	100	100	90.5	91.8
Fluoranthene	100	100	90.1	94.4
Fluorene	100	100	91.0	92.4

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 460-136417**

**Method: 8270C
Preparation: 3510C**

LCS Lab Sample ID: LCS 460-136417/2-A Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/23/2012 1413
Prep Date: 11/20/2012 1611
Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-136417/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/23/2012 1456
Prep Date: 11/20/2012 1611
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
2,6-Dinitrotoluene	100	100	88.4	91.7
Acenaphthylene	100	100	91.2	92.6
3-Nitroaniline	100	100	93.8	95.1
N-Nitrosodi-n-propylamine	100	100	98.1	96.5
Acenaphthene	100	100	90.1	91.5
2,4-Dinitrophenol	100	100	82.0	93.3
Dibenzofuran	100	100	90.7	92.8
Diethyl phthalate	100	100	90.1	93.9
4,6-Dinitro-2-methylphenol	100	100	87.7	94.7
N-Nitrosodiphenylamine	100	100	97.0	98.9
4-Bromophenyl phenyl ether	100	100	90.9	91.6
Hexachlorobenzene	100	100	88.1	89.8
Pentachlorophenol	100	100	90.5	96.7
Phenanthrene	100	100	90.9	93.7
Anthracene	100	100	87.5	90.5
Di-n-butyl phthalate	100	100	88.5	94.6
Pyrene	100	100	87.5	88.3
Butyl benzyl phthalate	100	100	86.7	90.7
3,3'-Dichlorobenzidine	100	100	84.7	88.4
Benzo[a]anthracene	100	100	89.9	92.4
Chrysene	100	100	89.5	92.0
Bis(2-ethylhexyl) phthalate	100	100	86.6	91.0
Di-n-octyl phthalate	100	100	83.9	87.4
Benzo[b]fluoranthene	100	100	86.6	87.6
Indeno[1,2,3-cd]pyrene	100	100	67.2	69.1
Benzo[g,h,i]perylene	100	100	89.0	89.6

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Method Blank - Batch: 460-136417

Method: 8270C SIM Preparation: 3510C

Lab Sample ID: MB 460-136417/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/22/2012 0722
Prep Date: 11/20/2012 1611
Leach Date: N/A

Analysis Batch: 460-137127
Prep Batch: 460-136417
Leach Batch: N/A
Units: ug/L

Instrument ID: BNAMS9
Lab File ID: h105600.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Benzo[a]anthracene	0.035	U	0.035	0.050
Benzo[a]pyrene	0.048	U	0.048	0.050
Benzo[b]fluoranthene	0.030	U	0.030	0.050
Pentachlorophenol	0.14	U	0.14	0.20
Hexachlorobenzene	0.017	U	0.017	0.020

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Method Blank - Batch: 460-136316

Method: 6010B

Preparation: 3010A

Lab Sample ID: MB 460-136316/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/21/2012 0009
Prep Date: 11/20/2012 0739
Leach Date: N/A

Analysis Batch: 460-136514
Prep Batch: 460-136316
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP4
Lab File ID: 136422.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Cadmium	0.82	U	0.82	5.0
Antimony	7.4	U	7.4	10.0
Beryllium	0.78	U	0.78	2.0
Thallium	5.2	U	5.2	10.0
Nickel	5.0	U	5.0	40.0
Silver	1.3	U	1.3	10.0
Arsenic	3.7	U	3.7	5.0
Copper	7.8	U	7.8	25.0
Lead	4.0	U	4.0	5.0
Zinc	5.8	U	5.8	30.0
Selenium	5.8	U	5.8	10.0
Chromium	4.5	U	4.5	10.0
Sodium	821	U	821	5000
Potassium	525	U	525	5000
Barium	5.9	U	5.9	200
Calcium	305	U	305	5000
Iron	73.6	U	73.6	150
Vanadium	4.0	U	4.0	50.0
Magnesium	321	U	321	5000
Aluminum	72.1	U	72.1	200
Manganese	4.3	U	4.3	15.0
Cobalt	4.3	U	4.3	50.0

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Lab Control Sample - Batch: 460-136316

Method: 6010B

Preparation: 3010A

Lab Sample ID: LCS 460-136316/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/21/2012 0013
Prep Date: 11/20/2012 0739
Leach Date: N/A

Analysis Batch: 460-136514
Prep Batch: 460-136316
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP4
Lab File ID: 136422.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	50.0	52.82	106	80 - 120	
Antimony	500	503.6	101	80 - 120	
Beryllium	50.0	52.53	105	80 - 120	
Thallium	2000	2252	113	80 - 120	
Nickel	500	537.2	107	80 - 120	
Silver	50.0	51.10	102	80 - 120	
Arsenic	2000	2001	100	80 - 120	
Copper	250	256.4	103	80 - 120	
Lead	500	538.9	108	80 - 120	
Zinc	500	524.2	105	80 - 120	
Selenium	2000	2002	100	80 - 120	
Chromium	200	210.1	105	80 - 120	
Sodium	20000	21450	107	80 - 120	
Potassium	20000	21250	106	80 - 120	
Barium	2000	2107	105	80 - 120	
Calcium	20000	21940	110	80 - 120	
Iron	1000	1058	106	80 - 120	
Vanadium	500	515.1	103	80 - 120	
Magnesium	20000	20640	103	80 - 120	
Aluminum	2000	2118	106	80 - 120	
Manganese	500	531.0	106	80 - 120	
Cobalt	500	529.2	106	80 - 120	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Matrix Spike - Batch: 460-136316

Method: 6010B

Preparation: 3010A

Lab Sample ID: 460-47222-D-1-C MS
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/21/2012 0039
Prep Date: 11/20/2012 0739
Leach Date: N/A

Analysis Batch: 460-136514
Prep Batch: 460-136316
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP4
Lab File ID: 136422.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.82	U	50.0	50.16	100	75 - 125	
Antimony	7.4	U	500	494.0	99	75 - 125	
Beryllium	0.78	U	50.0	51.18	102	75 - 125	
Nickel	7.8	J	500	518.2	102	75 - 125	
Silver	2.7	J	50.0	53.08	101	75 - 125	
Arsenic	3.7	U	2000	1949	97	75 - 125	
Copper	7.8	U	250	252.7	101	75 - 125	
Lead	4.0	U	500	512.0	102	75 - 125	
Zinc	8.0	J	500	503.5	99	75 - 125	
Selenium	5.8	U	2000	1952	98	75 - 125	
Chromium	4.5	U	200	204.1	102	75 - 125	
Sodium	9980		20000	30910	105	75 - 125	
Potassium	2010	J	20000	22680	103	75 - 125	
Barium	941		2000	2927	99	75 - 125	
Calcium	83300		20000	103400	100	75 - 125	4
Iron	6810		1000	7849	104	75 - 125	4
Vanadium	4.0	U	500	503.7	101	75 - 125	
Magnesium	26300		20000	46990	103	75 - 125	
Aluminum	72.1	U	2000	2079	104	75 - 125	
Cobalt	8.2	J	500	509.6	100	75 - 125	

Post Digestion Spike - Batch: 460-136316

Method: 6010B

Preparation: 3010A

Lab Sample ID: 460-47222-D-1-A PDS
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/21/2012 0043
Prep Date: 11/20/2012 0739
Leach Date: N/A

Analysis Batch: 460-136514
Prep Batch: 460-136316
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP4
Lab File ID: 136422.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.82	U	50.0	48.65	97	75 - 125	
Antimony	7.4	U	500	479.5	96	75 - 125	
Beryllium	0.78	U	50.0	49.55	99	75 - 125	
Nickel	7.8	J	500	501.6	99	75 - 125	
Silver	2.7	J	50.0	46.71	88	75 - 125	
Arsenic	3.7	U	2000	1900	95	75 - 125	
Copper	7.8	U	250	242.7	97	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Post Digestion Spike - Batch: 460-136316

Method: 6010B

Preparation: 3010A

Lab Sample ID: 460-47222-D-1-A PDS
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/21/2012 0043
Prep Date: 11/20/2012 0739
Leach Date: N/A

Analysis Batch: 460-136514
Prep Batch: 460-136316
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP4
Lab File ID: 136422.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Lead	4.0	U	500	495.8	99	75 - 125	
Zinc	8.0	J	500	491.7	97	75 - 125	
Selenium	5.8	U	2000	1890	95	75 - 125	
Chromium	4.5	U	200	195.0	98	75 - 125	
Sodium	9980		20000	29780	99	75 - 125	
Potassium	2010	J	20000	21970	100	75 - 125	
Barium	941		2000	2861	96	75 - 125	
Calcium	83300		20000	101200	89	75 - 125	
Iron	6810		1000	7621	82	75 - 125	
Vanadium	4.0	U	500	484.9	97	75 - 125	
Magnesium	26300		20000	45140	94	75 - 125	
Aluminum	72.1	U	2000	2008	100	75 - 125	
Cobalt	8.2	J	500	493.9	97	75 - 125	

Matrix Spike - Batch: 460-136316

Method: 6010B

Preparation: 3010A

Lab Sample ID: 460-47222-D-1-C MS ^2
Client Matrix: Water
Dilution: 2.0
Analysis Date: 11/21/2012 1836
Prep Date: 11/20/2012 0739
Leach Date: N/A

Analysis Batch: 460-136648
Prep Batch: 460-136316
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP4
Lab File ID: 136320d2.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Thallium	10.5	U	2000	2150	108	75 - 125	
Manganese	14200		500	14670	100	75 - 125	4

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Post Digestion Spike - Batch: 460-136316

Method: 6010B
Preparation: 3010A

Lab Sample ID:	460-47222-D-1-A PDS	Analysis Batch:	460-136648	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-136316	Lab File ID:	136320d2.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/21/2012 1840	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/20/2012 0739				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Thallium	10.5 U	2000	2050	103	75 - 125	
Manganese	14200	500	7358	NC	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Duplicate - Batch: 460-136316

Method: 6010B
Preparation: 3010A

Lab Sample ID: 460-47222-D-1-B DU
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/21/2012 0017
Prep Date: 11/20/2012 0739
Leach Date: N/A

Analysis Batch: 460-136514
Prep Batch: 460-136316
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP4
Lab File ID: 136422.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cadmium	0.82	U	0.82	NC	20	U
Antimony	7.4	U	7.4	NC	20	U
Beryllium	0.78	U	0.78	NC	20	U
Nickel	7.8	J	7.35	6	20	J
Silver	2.7	J	2.54	8	20	J
Arsenic	3.7	U	3.7	NC	20	U
Copper	7.8	U	7.8	NC	20	U
Lead	4.0	U	4.0	NC	20	U
Zinc	8.0	J	8.22	3	20	J
Selenium	5.8	U	5.8	NC	20	U
Chromium	4.5	U	4.5	NC	20	U
Sodium	9980		9978	0.01	20	
Potassium	2010	J	1991	0.9	20	J
Barium	941		933.6	0.7	20	
Calcium	83300		83850	0.6	20	
Iron	6810		6739	1	20	
Vanadium	4.0	U	4.0	NC	20	U
Magnesium	26300		26250	0.3	20	
Aluminum	72.1	U	72.1	NC	20	U
Cobalt	8.2	J	7.85	5	20	J

Serial Dilution - Batch: 460-136316

Method: 6010B
Preparation: 3010A

Lab Sample ID: 460-47222-D-1-A SD
Client Matrix: Water
Dilution: 5.0
Analysis Date: 11/21/2012 0034
Prep Date: 11/20/2012 0739
Leach Date: N/A

Analysis Batch: 460-136514
Prep Batch: 460-136316
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP4
Lab File ID: 136422.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Cadmium	0.82	U	4.1	NC	10	U
Antimony	7.4	U	36.8	NC	10	U
Beryllium	0.78	U	3.9	NC	10	U
Nickel	7.8	J	24.9	NC	10	U
Silver	2.7	J	6.7	NC	10	U
Arsenic	3.7	U	18.6	NC	10	U
Copper	7.8	U	39.2	NC	10	U
Lead	4.0	U	20.1	NC	10	U
Zinc	8.0	J	29.2	NC	10	U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Serial Dilution - Batch: 460-136316

Method: 6010B
Preparation: 3010A

Lab Sample ID:	460-47222-D-1-A SD	Analysis Batch:	460-136514	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-136316	Lab File ID:	136422.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/21/2012 0034	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/20/2012 0739				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Selenium	5.8	U	28.8	NC	10	U
Chromium	4.5	U	22.3	NC	10	U
Sodium	9980		10090	NC	10	J
Potassium	2010	J	2620	NC	10	U
Barium	941		925.0	1.7	10	J
Calcium	83300		82500	0.98	10	
Iron	6810		6730	1.1	10	
Vanadium	4.0	U	20.2	NC	10	U
Magnesium	26300		26590	0.97	10	
Aluminum	72.1	U	361	NC	10	U
Cobalt	8.2	J	21.4	NC	10	U

Duplicate - Batch: 460-136316

Method: 6010B
Preparation: 3010A

Lab Sample ID:	460-47222-D-1-B DU ^2	Analysis Batch:	460-136648	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-136316	Lab File ID:	136320d2.asc
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/21/2012 1825	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/20/2012 0739				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Thallium	10.5	U	10.5	NC	20	U
Manganese	14200		14220	0.3	20	

Serial Dilution - Batch: 460-136316

Method: 6010B
Preparation: 3010A

Lab Sample ID:	460-47222-D-1-A SD ^1	Analysis Batch:	460-136648	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-136316	Lab File ID:	136320d2.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/21/2012 1832	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/20/2012 0739				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Thallium	10.5	U	5.2	NC	10	U
Manganese	14200		1403	90	10	V

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Method Blank - Batch: 460-136906

Lab Sample ID: MB 460-136909/1-B
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/27/2012 1619
Prep Date: 11/26/2012 0901
Leach Date: N/A

Analysis Batch: 460-137173
Prep Batch: 460-136906
Leach Batch: N/A
Units: ug/L

Method: 6010B Preparation: 3010A Dissolved

Instrument ID: ICP4
Lab File ID: 11272012.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Cadmium	0.82	U	0.82	5.0
Antimony	7.4	U	7.4	10.0
Beryllium	0.78	U	0.78	2.0
Thallium	5.2	U	5.2	10.0
Nickel	5.0	U	5.0	40.0
Silver	1.3	U	1.3	10.0
Arsenic	3.7	U	3.7	5.0
Copper	7.8	U	7.8	25.0
Lead	4.0	U	4.0	5.0
Zinc	5.8	U	5.8	30.0
Selenium	5.8	U	5.8	10.0
Chromium	4.5	U	4.5	10.0
Sodium	821	U	821	5000
Potassium	525	U	525	5000
Barium	5.9	U	5.9	200
Calcium	305	U	305	5000
Iron	73.6	U	73.6	150
Vanadium	4.0	U	4.0	50.0
Magnesium	321	U	321	5000
Aluminum	72.1	U	72.1	200
Manganese	4.3	U	4.3	15.0
Cobalt	4.3	U	4.3	50.0

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Lab Control Sample - Batch: 460-136906

Method: 6010B

Preparation: 3010A

Lab Sample ID: LCS 460-136906/2-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/27/2012 1608
 Prep Date: 11/26/2012 0901
 Leach Date: N/A

Analysis Batch: 460-137173
 Prep Batch: 460-136906
 Leach Batch: N/A
 Units: ug/L

Instrument ID: ICP4
 Lab File ID: 11272012.asc
 Initial Weight/Volume: 100 mL
 Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	50.0	47.28	95	80 - 120	
Antimony	500	464.0	93	80 - 120	
Beryllium	50.0	47.63	95	80 - 120	
Thallium	2000	2034	102	80 - 120	
Nickel	500	483.0	97	80 - 120	
Silver	50.0	45.06	90	80 - 120	
Arsenic	2000	1781	89	80 - 120	
Copper	250	233.6	93	80 - 120	
Lead	500	481.3	96	80 - 120	
Zinc	500	464.7	93	80 - 120	
Selenium	2000	1774	89	80 - 120	
Chromium	200	190.3	95	80 - 120	
Sodium	20000	19530	98	80 - 120	
Potassium	20000	19100	96	80 - 120	
Barium	2000	1877	94	80 - 120	
Calcium	20000	20460	102	80 - 120	
Iron	1000	940.2	94	80 - 120	
Vanadium	500	462.7	93	80 - 120	
Magnesium	20000	18660	93	80 - 120	
Aluminum	2000	1916	96	80 - 120	
Manganese	500	483.2	97	80 - 120	
Cobalt	500	473.2	95	80 - 120	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Matrix Spike - Batch: 460-136906

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID:	460-47149-J-1-D MS	Analysis Batch:	460-137173	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-136906	Lab File ID:	11272012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/27/2012 1557	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/26/2012 0901				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.82	U	50.0	47.02	94	75 - 125	
Antimony	7.4	U	500	465.2	93	75 - 125	
Beryllium	0.78	U	50.0	47.91	96	75 - 125	
Thallium	5.2	U	2000	1986	99	75 - 125	
Nickel	5.6	J	500	480.4	95	75 - 125	
Silver	1.3	U	50.0	44.77	90	75 - 125	
Arsenic	3.7	U	2000	1797	90	75 - 125	
Copper	7.8	U	250	231.2	92	75 - 125	
Lead	4.0	U	500	479.3	96	75 - 125	
Zinc	7.6	J	500	470.1	92	75 - 125	
Selenium	5.8	U	2000	1771	89	75 - 125	
Chromium	4.5	U	200	190.6	95	75 - 125	
Sodium	24800		20000	43320	93	75 - 125	
Potassium	2080	J	20000	20800	94	75 - 125	
Barium	123	J	2000	1982	93	75 - 125	
Calcium	14600		20000	34320	99	75 - 125	
Iron	909		1000	1847	94	75 - 125	
Vanadium	4.0	U	500	464.2	93	75 - 125	
Magnesium	6940		20000	25390	92	75 - 125	
Aluminum	72.1	U	2000	1924	96	75 - 125	
Manganese	140		500	616.6	95	75 - 125	
Cobalt	4.3	U	500	469.1	94	75 - 125	

Post Digestion Spike - Batch: 460-136906

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID:	460-47149-J-1-C PDS	Analysis Batch:	460-137173	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-136906	Lab File ID:	11272012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/27/2012 1601	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/26/2012 0901				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.82	U	50.0	46.74	93	75 - 125	
Antimony	7.4	U	500	463.0	93	75 - 125	
Beryllium	0.78	U	50.0	46.87	94	75 - 125	
Thallium	5.2	U	2000	1976	99	75 - 125	
Nickel	5.6	J	500	476.4	94	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Post Digestion Spike - Batch: 460-136906

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID: 460-47149-J-1-C PDS
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/27/2012 1601
Prep Date: 11/26/2012 0901
Leach Date: N/A

Analysis Batch: 460-137173
Prep Batch: 460-136906
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP4
Lab File ID: 11272012.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	1.3	U	50.0	44.91	90	75 - 125	
Arsenic	3.7	U	2000	1774	89	75 - 125	
Copper	7.8	U	250	228.3	91	75 - 125	
Lead	4.0	U	500	474.2	95	75 - 125	
Zinc	7.6	J	500	466.0	92	75 - 125	
Selenium	5.8	U	2000	1770	89	75 - 125	
Chromium	4.5	U	200	188.4	94	75 - 125	
Sodium	24800		20000	43160	92	75 - 125	
Potassium	2080	J	20000	20540	92	75 - 125	
Barium	123	J	2000	1959	92	75 - 125	
Calcium	14600		20000	34160	98	75 - 125	
Iron	909		1000	1841	93	75 - 125	
Vanadium	4.0	U	500	459.9	92	75 - 125	
Magnesium	6940		20000	25220	91	75 - 125	
Aluminum	72.1	U	2000	1867	93	75 - 125	
Manganese	140		500	612.7	95	75 - 125	
Cobalt	4.3	U	500	464.8	93	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Duplicate - Batch: 460-136906

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID: 460-47149-B-1-B DU
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/27/2012 1546
Prep Date: 11/26/2012 0901
Leach Date: N/A

Analysis Batch: 460-137173
Prep Batch: 460-136906
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP4
Lab File ID: 11272012.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cadmium	0.82	U	0.82	NC	20	U
Antimony	7.4	U	7.4	NC	20	U
Beryllium	0.78	U	0.78	NC	20	U
Thallium	5.2	U	5.2	NC	20	U
Nickel	5.6	J	5.85	4	20	J
Silver	1.3	U	1.3	NC	20	U
Arsenic	3.7	U	3.7	NC	20	U
Copper	7.8	U	7.8	NC	20	U
Lead	4.0	U	4.0	NC	20	U
Zinc	7.6	J	7.26	5	20	J
Selenium	5.8	U	5.8	NC	20	U
Chromium	4.5	U	4.5	NC	20	U
Sodium	24800		23920	4	20	
Potassium	2080	J	1989	4	20	J
Barium	123	J	118.6	4	20	J
Calcium	14600		13960	4	20	
Iron	909		870.9	4	20	
Vanadium	4.0	U	4.0	NC	20	U
Magnesium	6940		6785	2	20	
Aluminum	72.1	U	72.1	NC	20	U
Manganese	140		136.3	3	20	
Cobalt	4.3	U	4.3	NC	20	U

Serial Dilution - Batch: 460-136906

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID: 460-47149-J-1-C SD ^5
Client Matrix: Water
Dilution: 5.0
Analysis Date: 11/27/2012 1554
Prep Date: 11/26/2012 0901
Leach Date: N/A

Analysis Batch: 460-137173
Prep Batch: 460-136906
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP4
Lab File ID: 11272012.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Cadmium	0.82	U	4.1	NC	10	U
Antimony	7.4	U	36.8	NC	10	U
Beryllium	0.78	U	3.9	NC	10	U
Thallium	5.2	U	26.2	NC	10	U
Nickel	5.6	J	24.9	NC	10	U
Silver	1.3	U	6.7	NC	10	U
Arsenic	3.7	U	18.6	NC	10	U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Serial Dilution - Batch: 460-136906

Method: 6010B

Preparation: 3010A

Dissolved

Lab Sample ID: 460-47149-J-1-C SD ^5
 Client Matrix: Water
 Dilution: 5.0
 Analysis Date: 11/27/2012 1554
 Prep Date: 11/26/2012 0901
 Leach Date: N/A

Analysis Batch: 460-137173
 Prep Batch: 460-136906
 Leach Batch: N/A
 Units: ug/L

Instrument ID: ICP4
 Lab File ID: 11272012.asc
 Initial Weight/Volume: 100 mL
 Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Copper	7.8	U	39.2	NC	10	U
Lead	4.0	U	20.1	NC	10	U
Zinc	7.6	J	29.2	NC	10	U
Selenium	5.8	U	28.8	NC	10	U
Chromium	4.5	U	22.3	NC	10	U
Sodium	24800		25310	NC	10	
Potassium	2080	J	2707	NC	10	J
Barium	123	J	122.2	NC	10	J
Calcium	14600		14760	NC	10	J
Iron	909		937.0	NC	10	
Vanadium	4.0	U	20.2	NC	10	U
Magnesium	6940		6910	NC	10	J
Aluminum	72.1	U	361	NC	10	U
Manganese	140		140.0	NC	10	
Cobalt	4.3	U	21.4	NC	10	U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Method Blank - Batch: 460-136356

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 460-136356/1-A	Analysis Batch:	460-136407	Instrument ID:	LEEMAN3
Client Matrix:	Water	Prep Batch:	460-136356	Lab File ID:	136356hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	11/20/2012 1421	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	11/20/2012 1030				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.16	U	0.16	0.20

Lab Control Sample - Batch: 460-136356

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 460-136356/2-A	Analysis Batch:	460-136407	Instrument ID:	LEEMAN3
Client Matrix:	Water	Prep Batch:	460-136356	Lab File ID:	136356hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	11/20/2012 1329	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	11/20/2012 1030				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	1.05	105	80 - 120	

Matrix Spike - Batch: 460-136356

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-47222-D-1-F MS	Analysis Batch:	460-136407	Instrument ID:	LEEMAN3
Client Matrix:	Water	Prep Batch:	460-136356	Lab File ID:	136356hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	11/20/2012 1334	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	11/20/2012 1030				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.16 U	1.00	1.10	110	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Duplicate - Batch: 460-136356

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-47222-D-1-E DU	Analysis Batch:	460-136407	Instrument ID:	LEEMAN3
Client Matrix:	Water	Prep Batch:	460-136356	Lab File ID:	136356hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	11/20/2012 1333	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	11/20/2012 1030				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.16 U	0.16	NC	20	U

Serial Dilution - Batch: 460-136356

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-47222-D-1-D SD ^5	Analysis Batch:	460-136407	Instrument ID:	LEEMAN3
Client Matrix:	Water	Prep Batch:	460-136356	Lab File ID:	136356hg1.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	11/20/2012 1419	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	11/20/2012 1030				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.16 U	0.80	NC	10	U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Method Blank - Batch: 460-136946

Lab Sample ID: MB 460-136940/1-B
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/26/2012 1503
Prep Date: 11/26/2012 1215
Leach Date: N/A

Analysis Batch: 460-137007
Prep Batch: 460-136946
Leach Batch: N/A
Units: ug/L

Method: 7470A Preparation: 7470A Dissolved

Instrument ID: LEEMAN3
Lab File ID: 136928hg1.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.16	U	0.16	0.20

Lab Control Sample - Batch: 460-136946

Lab Sample ID: LCS 460-136946/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/26/2012 1505
Prep Date: 11/26/2012 1215
Leach Date: N/A

Analysis Batch: 460-137007
Prep Batch: 460-136946
Leach Batch: N/A
Units: ug/L

Method: 7470A Preparation: 7470A

Instrument ID: LEEMAN3
Lab File ID: 136928hg1.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	0.981	98	80 - 120	

Matrix Spike - Batch: 460-136946

Lab Sample ID: 460-47127-A-3-F MS
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/26/2012 1511
Prep Date: 11/26/2012 1215
Leach Date: N/A

Analysis Batch: 460-137007
Prep Batch: 460-136946
Leach Batch: N/A
Units: ug/L

Method: 7470A Preparation: 7470A Dissolved

Instrument ID: LEEMAN3
Lab File ID: 136928hg1.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.16 U	1.00	0.982	98	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Duplicate - Batch: 460-136946

Method: 7470A
Preparation: 7470A
Dissolved

Lab Sample ID: 460-47127-A-3-E DU
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/26/2012 1509
Prep Date: 11/26/2012 1215
Leach Date: N/A

Analysis Batch: 460-137007
Prep Batch: 460-136946
Leach Batch: N/A
Units: ug/L

Instrument ID: LEEMAN3
Lab File ID: 136928hg1.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.16	U	0.16	NC	20	U

Serial Dilution - Batch: 460-136946

Method: 7470A
Preparation: 7470A
Dissolved

Lab Sample ID: 460-47127-A-3-D SD ^5
Client Matrix: Water
Dilution: 5.0
Analysis Date: 11/26/2012 1519
Prep Date: 11/26/2012 1215
Leach Date: N/A

Analysis Batch: 460-137007
Prep Batch: 460-136946
Leach Batch: N/A
Units: ug/L

Instrument ID: LEEMAN3
Lab File ID: 136928hg1.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Mercury	0.16	U	0.80	NC	10	U

DATA REPORTING QUALIFIERS

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Lab Section	Qualifier	Description
GC/MS VOA	J	Indicates an Estimated Value for TICs
	U	Indicates the analyte was analyzed for but not detected.
	^	Instrument related QC exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA	J	Indicates an Estimated Value for TICs
	U	Indicates the analyte was analyzed for but not detected.
	*	Recovery or RPD exceeds control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	N	This flag indicates the presumptive evidence of a compound.
Metals	U	Indicates the analyte was analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	V	Serial Dilution exceeds the control limits

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:460-137198					
LCS 460-137198/3	Lab Control Sample	T	Water	8260B	
LCSD 460-137198/6	Lab Control Sample Duplicate	T	Water	8260B	
MB 460-137198/4	Method Blank	T	Water	8260B	
460-47276-2	WG-17338-111612-MW37-CG-269	T	Water	8260B	

Report Basis

T = Total

GC/MS Semi VOA

Prep Batch: 460-136417					
LCS 460-136417/2-A	Lab Control Sample	T	Water	3510C	
LCSD 460-136417/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 460-136417/1-A	Method Blank	T	Water	3510C	
460-47276-1	WG-17338-111612-MW35-CG-268	T	Water	3510C	
460-47276-2	WG-17338-111612-MW37-CG-269	T	Water	3510C	
Analysis Batch:460-136933					
LCS 460-136417/2-A	Lab Control Sample	T	Water	8270C	460-136417
LCSD 460-136417/3-A	Lab Control Sample Duplicate	T	Water	8270C	460-136417
MB 460-136417/1-A	Method Blank	T	Water	8270C	460-136417
460-47276-1	WG-17338-111612-MW35-CG-268	T	Water	8270C	460-136417
460-47276-2	WG-17338-111612-MW37-CG-269	T	Water	8270C	460-136417
Analysis Batch:460-137127					
MB 460-136417/1-A	Method Blank	T	Water	8270C SIM	460-136417
460-47276-1	WG-17338-111612-MW35-CG-268	T	Water	8270C SIM	460-136417
460-47276-2	WG-17338-111612-MW37-CG-269	T	Water	8270C SIM	460-136417

Report Basis

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-136316					
LCS 460-136316/2-A	Lab Control Sample	T	Water	3010A	
MB 460-136316/1-A	Method Blank	T	Water	3010A	
460-47222-D-1-B DU	Duplicate	T	Water	3010A	
460-47222-D-1-B DU ^2	Duplicate	T	Water	3010A	
460-47222-D-1-C MS	Matrix Spike	T	Water	3010A	
460-47222-D-1-C MS ^2	Matrix Spike	T	Water	3010A	
460-47276-2	WG-17338-111612-MW37-CG-269	T	Water	3010A	
Prep Batch: 460-136356					
LCS 460-136356/2-A	Lab Control Sample	T	Water	7470A	
MB 460-136356/1-A	Method Blank	T	Water	7470A	
460-47222-D-1-E DU	Duplicate	T	Water	7470A	
460-47222-D-1-F MS	Matrix Spike	T	Water	7470A	
460-47276-2	WG-17338-111612-MW37-CG-269	T	Water	7470A	
Analysis Batch:460-136407					
LCS 460-136356/2-A	Lab Control Sample	T	Water	7470A	460-136356
MB 460-136356/1-A	Method Blank	T	Water	7470A	460-136356
460-47222-D-1-E DU	Duplicate	T	Water	7470A	460-136356
460-47222-D-1-F MS	Matrix Spike	T	Water	7470A	460-136356
460-47276-2	WG-17338-111612-MW37-CG-269	T	Water	7470A	460-136356
Analysis Batch:460-136514					
LCS 460-136316/2-A	Lab Control Sample	T	Water	6010B	460-136316
MB 460-136316/1-A	Method Blank	T	Water	6010B	460-136316
460-47222-D-1-B DU	Duplicate	T	Water	6010B	460-136316
460-47222-D-1-C MS	Matrix Spike	T	Water	6010B	460-136316
460-47276-2	WG-17338-111612-MW37-CG-269	T	Water	6010B	460-136316
Analysis Batch:460-136648					
460-47222-D-1-B DU ^2	Duplicate	T	Water	6010B	460-136316
460-47222-D-1-C MS ^2	Matrix Spike	T	Water	6010B	460-136316
Prep Batch: 460-136906					
LCS 460-136906/2-A	Lab Control Sample	T	Water	3010A	
MB 460-136909/1-B	Method Blank	D	Water	3010A	
460-47149-B-1-B DU	Duplicate	D	Water	3010A	
460-47149-J-1-D MS	Matrix Spike	D	Water	3010A	
460-47276-2	WG-17338-111612-MW37-CG-269	D	Water	3010A	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-136946					
LCS 460-136946/2-A	Lab Control Sample	T	Water	7470A	
MB 460-136940/1-B	Method Blank	D	Water	7470A	
460-47127-A-3-E DU	Duplicate	D	Water	7470A	
460-47127-A-3-F MS	Matrix Spike	D	Water	7470A	
460-47276-2	WG-17338-111612-MW37-CG-269	D	Water	7470A	
Analysis Batch:460-137007					
LCS 460-136946/2-A	Lab Control Sample	T	Water	7470A	460-136946
MB 460-136940/1-B	Method Blank	D	Water	7470A	460-136946
460-47127-A-3-E DU	Duplicate	D	Water	7470A	460-136946
460-47127-A-3-F MS	Matrix Spike	D	Water	7470A	460-136946
460-47276-2	WG-17338-111612-MW37-CG-269	D	Water	7470A	460-136946
Analysis Batch:460-137173					
LCS 460-136906/2-A	Lab Control Sample	T	Water	6010B	460-136906
MB 460-136909/1-B	Method Blank	D	Water	6010B	460-136906
460-47149-B-1-B DU	Duplicate	D	Water	6010B	460-136906
460-47149-J-1-D MS	Matrix Spike	D	Water	6010B	460-136906
460-47276-2	WG-17338-111612-MW37-CG-269	D	Water	6010B	460-136906

Report Basis

D = Dissolved

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Laboratory Chronicle

Lab ID: 460-47276-1

Client ID: WG-17338-111612-MW35-CG-268

Sample Date/Time: 11/16/2012 14:20

Received Date/Time: 11/16/2012 16:36

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	460-47276-A-1-A		460-136933	460-136417	11/20/2012 16:11	1	TAL EDI	KVR
A:8270C	460-47276-A-1-A		460-136933	460-136417	11/23/2012 15:17	1	TAL EDI	AAA
P:3510C	460-47276-A-1-A		460-137127	460-136417	11/20/2012 16:11	1	TAL EDI	KVR
A:8270C SIM	460-47276-A-1-A		460-137127	460-136417	11/22/2012 07:52	1	TAL EDI	CZ

Lab ID: 460-47276-2

Client ID: WG-17338-111612-MW37-CG-269

Sample Date/Time: 11/16/2012 13:30

Received Date/Time: 11/16/2012 16:36

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-47276-A-2		460-137198		11/28/2012 00:03	1	TAL EDI	EM
A:8260B	460-47276-A-2		460-137198		11/28/2012 00:03	1	TAL EDI	EM
P:3510C	460-47276-G-2-A		460-136933	460-136417	11/20/2012 16:11	1	TAL EDI	KVR
A:8270C	460-47276-G-2-A		460-136933	460-136417	11/23/2012 15:38	1	TAL EDI	AAA
P:3510C	460-47276-G-2-A		460-137127	460-136417	11/20/2012 16:11	1	TAL EDI	KVR
A:8270C SIM	460-47276-G-2-A		460-137127	460-136417	11/22/2012 08:22	1	TAL EDI	CZ
P:3010A	460-47276-E-2-A		460-136514	460-136316	11/20/2012 07:39	1	TAL EDI	MC
A:6010B	460-47276-E-2-A		460-136514	460-136316	11/21/2012 01:08	1	TAL EDI	YH
P:3010A	460-47276-D-2-B		460-137173	460-136906	11/26/2012 09:01	1	TAL EDI	MC
A:6010B	460-47276-D-2-B		460-137173	460-136906	11/27/2012 16:30	1	TAL EDI	CDC
P:7470A	460-47276-E-2-B		460-136407	460-136356	11/20/2012 10:30	1	TAL EDI	RBS
A:7470A	460-47276-E-2-B		460-136407	460-136356	11/20/2012 13:38	1	TAL EDI	RBS
P:7470A	460-47276-D-2-D		460-137007	460-136946	11/26/2012 12:15	1	TAL EDI	RBS
A:7470A	460-47276-D-2-D		460-137007	460-136946	11/26/2012 15:13	1	TAL EDI	RBS

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 460-137198/4		460-137198		11/27/2012 22:42	1	TAL EDI	EM
A:8260B	MB 460-137198/4		460-137198		11/27/2012 22:42	1	TAL EDI	EM
P:3510C	MB 460-136417/1-A		460-136933	460-136417	11/20/2012 16:11	1	TAL EDI	KVR
A:8270C	MB 460-136417/1-A		460-136933	460-136417	11/23/2012 13:52	1	TAL EDI	AAA
P:3510C	MB 460-136417/1-A		460-137127	460-136417	11/20/2012 16:11	1	TAL EDI	KVR
A:8270C SIM	MB 460-136417/1-A		460-137127	460-136417	11/22/2012 07:22	1	TAL EDI	CZ
P:3010A	MB 460-136316/1-A		460-136514	460-136316	11/20/2012 07:39	1	TAL EDI	MC
A:6010B	MB 460-136316/1-A		460-136514	460-136316	11/21/2012 00:09	1	TAL EDI	YH
P:3010A	MB 460-136909/1-B		460-137173	460-136906	11/26/2012 09:01	1	TAL EDI	MC
A:6010B	MB 460-136909/1-B		460-137173	460-136906	11/27/2012 16:19	1	TAL EDI	CDC
P:7470A	MB 460-136356/1-A		460-136407	460-136356	11/20/2012 10:30	1	TAL EDI	RBS
A:7470A	MB 460-136356/1-A		460-136407	460-136356	11/20/2012 14:21	1	TAL EDI	RBS
P:7470A	MB 460-136940/1-B		460-137007	460-136946	11/26/2012 12:15	1	TAL EDI	RBS
A:7470A	MB 460-136940/1-B		460-137007	460-136946	11/26/2012 15:03	1	TAL EDI	RBS

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 460-137198/3		460-137198		11/27/2012 20:24	1	TAL EDI	EM
A:8260B	LCS 460-137198/3		460-137198		11/27/2012 20:24	1	TAL EDI	EM
P:3510C	LCS 460-136417/2-A		460-136933	460-136417	11/20/2012 16:11	1	TAL EDI	KVR
A:8270C	LCS 460-136417/2-A		460-136933	460-136417	11/23/2012 14:13	1	TAL EDI	AAA
P:3010A	LCS 460-136316/2-A		460-136514	460-136316	11/20/2012 07:39	1	TAL EDI	MC
A:6010B	LCS 460-136316/2-A		460-136514	460-136316	11/21/2012 00:13	1	TAL EDI	YH
P:3010A	LCS 460-136906/2-A		460-137173	460-136906	11/26/2012 09:01	1	TAL EDI	MC
A:6010B	LCS 460-136906/2-A		460-137173	460-136906	11/27/2012 16:08	1	TAL EDI	CDC
P:7470A	LCS 460-136356/2-A		460-136407	460-136356	11/20/2012 10:30	1	TAL EDI	RBS
A:7470A	LCS 460-136356/2-A		460-136407	460-136356	11/20/2012 13:29	1	TAL EDI	RBS
P:7470A	LCS 460-136946/2-A		460-137007	460-136946	11/26/2012 12:15	1	TAL EDI	RBS
A:7470A	LCS 460-136946/2-A		460-137007	460-136946	11/26/2012 15:05	1	TAL EDI	RBS

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:5030B	LCSD 460-137198/6		460-137198		11/28/2012 00:27	1	TAL EDI	EM
A:8260B	LCSD 460-137198/6		460-137198		11/28/2012 00:27	1	TAL EDI	EM
P:3510C	LCSD 460-136417/3-A		460-136933	460-136417	11/20/2012 16:11	1	TAL EDI	KVR
A:8270C	LCSD 460-136417/3-A		460-136933	460-136417	11/23/2012 14:56	1	TAL EDI	AAA

Lab ID: MS

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:3010A	460-47222-D-1-C MS		460-136514	460-136316	11/20/2012 07:39	1	TAL EDI	MC
A:6010B	460-47222-D-1-C MS		460-136514	460-136316	11/21/2012 00:39	1	TAL EDI	YH
P:3010A	460-47222-D-1-C MS ^2		460-136648	460-136316	11/20/2012 07:39	2	TAL EDI	MC
A:6010B	460-47222-D-1-C MS ^2		460-136648	460-136316	11/21/2012 18:36	2	TAL EDI	YH
P:3010A	460-47149-J-1-D MS		460-137173	460-136906	11/26/2012 09:01	1	TAL EDI	MC
A:6010B	460-47149-J-1-D MS		460-137173	460-136906	11/27/2012 15:57	1	TAL EDI	CDC
P:7470A	460-47222-D-1-F MS		460-136407	460-136356	11/20/2012 10:30	1	TAL EDI	RBS
A:7470A	460-47222-D-1-F MS		460-136407	460-136356	11/20/2012 13:34	1	TAL EDI	RBS
P:7470A	460-47127-A-3-F MS		460-137007	460-136946	11/26/2012 12:15	1	TAL EDI	RBS
A:7470A	460-47127-A-3-F MS		460-137007	460-136946	11/26/2012 15:11	1	TAL EDI	RBS

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Laboratory Chronicle

Lab ID: DU

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:3010A	460-47222-D-1-B DU		460-136514	460-136316	11/20/2012 07:39	1	TAL EDI	MC
A:6010B	460-47222-D-1-B DU		460-136514	460-136316	11/21/2012 00:17	1	TAL EDI	YH
P:3010A	460-47222-D-1-B DU ^2		460-136648	460-136316	11/20/2012 07:39	2	TAL EDI	MC
A:6010B	460-47222-D-1-B DU ^2		460-136648	460-136316	11/21/2012 18:25	2	TAL EDI	YH
P:3010A	460-47149-B-1-B DU		460-137173	460-136906	11/26/2012 09:01	1	TAL EDI	MC
A:6010B	460-47149-B-1-B DU		460-137173	460-136906	11/27/2012 15:46	1	TAL EDI	CDC
P:7470A	460-47222-D-1-E DU		460-136407	460-136356	11/20/2012 10:30	1	TAL EDI	RBS
A:7470A	460-47222-D-1-E DU		460-136407	460-136356	11/20/2012 13:33	1	TAL EDI	RBS
P:7470A	460-47127-A-3-E DU		460-137007	460-136946	11/26/2012 12:15	1	TAL EDI	RBS
A:7470A	460-47127-A-3-E DU		460-137007	460-136946	11/26/2012 15:09	1	TAL EDI	RBS

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Laboratory Chronicle

Lab ID: SD

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:3010A	460-47222-D-1-A SD		460-136514	460-136316	11/20/2012 07:39	5	TAL EDI	MC
A:6010B	460-47222-D-1-A SD		460-136514	460-136316	11/21/2012 00:34	5	TAL EDI	YH
P:3010A	460-47222-D-1-A PDS		460-136514	460-136316	11/20/2012 07:39	1	TAL EDI	MC
A:6010B	460-47222-D-1-A PDS		460-136514	460-136316	11/21/2012 00:43	1	TAL EDI	YH
P:3010A	460-47222-D-1-A SD ^1		460-136648	460-136316	11/20/2012 07:39	1	TAL EDI	MC
A:6010B	460-47222-D-1-A SD ^1		460-136648	460-136316	11/21/2012 18:32	1	TAL EDI	YH
P:3010A	460-47222-D-1-A PDS		460-136648	460-136316	11/20/2012 07:39	1	TAL EDI	MC
A:6010B	460-47222-D-1-A PDS		460-136648	460-136316	11/21/2012 18:40	1	TAL EDI	YH
P:3010A	460-47149-J-1-C SD ^5		460-137173	460-136906	11/26/2012 09:01	5	TAL EDI	MC
A:6010B	460-47149-J-1-C SD ^5		460-137173	460-136906	11/27/2012 15:54	5	TAL EDI	CDC
P:3010A	460-47149-J-1-C PDS		460-137173	460-136906	11/26/2012 09:01	1	TAL EDI	MC
A:6010B	460-47149-J-1-C PDS		460-137173	460-136906	11/27/2012 16:01	1	TAL EDI	CDC
P:7470A	460-47222-D-1-D SD ^5		460-136407	460-136356	11/20/2012 10:30	5	TAL EDI	RBS
A:7470A	460-47222-D-1-D SD ^5		460-136407	460-136356	11/20/2012 14:19	5	TAL EDI	RBS
P:7470A	460-47127-A-3-D SD ^5		460-137007	460-136946	11/26/2012 12:15	5	TAL EDI	RBS
A:7470A	460-47127-A-3-D SD ^5		460-137007	460-136946	11/26/2012 15:19	5	TAL EDI	RBS

Lab References:

TAL EDI = TestAmerica Edison

Method 8260 DEL

Volatile Organics (GC/MS) by Method
8260 (Delaware)

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): Rtx-VMS ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
WG-17338-111612-MW 37-CG-269	460-47276-2	98	100	102
	MB 460-137198/4	101	100	98
	LCS 460-137198/3	101	99	98
	LCSD 460-137198/6	101	102	100

	<u>QC LIMITS</u>
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: e10352.d
 Lab ID: LCS 460-137198/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	17.7	88	74-128	
Dichlorodifluoromethane	20.0	18.5	92	46-145	
Chloromethane	20.0	18.5	93	58-146	
Vinyl chloride	20.0	17.8	89	61-144	
Bromomethane	20.0	17.8	89	55-153	
1,2-Dibromo-3-Chloropropane	20.0	22.1	111	70-116	
1,2-Dichlorobenzene	20.0	19.4	97	82-122	
Trichlorofluoromethane	20.0	17.1	86	69-147	
1,1-Dichloroethene	20.0	17.8	89	56-139	
1,2-Dichloropropane	20.0	18.5	93	80-120	
1,1,2-Trichloro-1,2,2-trifluor oethane	20.0	22.5	112	47-139	
Acetone	20.0	23.9	120	45-156	
Carbon disulfide	20.0	19.2	96	58-139	
Methyl acetate	20.0	22.2	111	50-151	
Methylene Chloride	20.0	18.6	93	79-119	
trans-1,2-Dichloroethene	20.0	18.1	90	75-122	
Chlorodibromomethane	20.0	19.1	96	80-120	
Methyl tert-butyl ether	20.0	20.1	101	71-115	
Chloroethane	20.0	17.9	89	69-145	
1,1-Dichloroethane	20.0	18.1	91	78-122	
cis-1,2-Dichloroethene	20.0	18.3	91	80-120	
2-Butanone (MEK)	20.0	19.9	99	65-114	
Chloroform	20.0	17.6	88	82-123	
Ethylbenzene	20.0	18.2	91	79-126	
Cyclohexane	20.0	23.3	117	58-133	
Carbon tetrachloride	20.0	17.8	89	73-120	
Benzene	20.0	18.0	90	83-124	
1,2-Dichloroethane	20.0	18.9	95	74-118	
Trichloroethene	20.0	18.8	94	78-119	
Methylcyclohexane	20.0	24.4	122	61-129	
Dichlorobromomethane	20.0	18.7	93	79-119	
cis-1,3-Dichloropropene	20.0	18.5	93	80-120	
4-Methyl-2-pentanone (MIBK)	20.0	20.7	104	53-120	
Toluene	20.0	18.2	91	80-120	
trans-1,3-Dichloropropene	20.0	18.7	94	78-118	
1,1,2-Trichloroethane	20.0	18.6	93	79-119	
Tetrachloroethene	20.0	18.3	92	68-139	
2-Hexanone	20.0	21.5	108	53-121	
1,2-Dibromoethane	20.0	19.6	98	78-118	
Chlorobenzene	20.0	18.6	93	81-121	
Xylenes, Total	60.0	56.4	94	76-121	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: e10352.d
Lab ID: LCS 460-137198/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Styrene	20.0	18.7	94	69-112	
Bromoform	20.0	19.5	97	73-123	
Isopropylbenzene	20.0	19.2	96	80-125	
1,1,2,2-Tetrachloroethane	20.0	19.5	98	74-126	
1,3-Dichlorobenzene	20.0	19.1	95	81-126	
1,4-Dichlorobenzene	20.0	19.3	96	83-123	
1,2,4-Trichlorobenzene	20.0	22.0	110	66-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: e10360.d
 Lab ID: LCSD 460-137198/6 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	20.0	20.0	100	12	30	74-128	
Dichlorodifluoromethane	20.0	20.2	101	9	30	46-145	
Chloromethane	20.0	19.5	98	5	30	58-146	
Vinyl chloride	20.0	19.6	98	10	30	61-144	
Bromomethane	20.0	19.2	96	8	30	55-153	
1,2-Dibromo-3-Chloropropane	20.0	18.9	94	16	30	70-116	
1,2-Dichlorobenzene	20.0	19.1	95	2	30	82-122	
Trichlorofluoromethane	20.0	20.2	101	16	30	69-147	
1,1-Dichloroethene	20.0	20.7	103	15	30	56-139	
1,2-Dichloropropane	20.0	20.3	102	9	30	80-120	
1,1,2-Trichloro-1,2,2-trifluor oethane	20.0	18.7	94	18	30	47-139	
Acetone	20.0	19.3	97	21	30	45-156	
Carbon disulfide	20.0	19.6	98	2	30	58-139	
Methyl acetate	20.0	16.9	84	27	30	50-151	
Methylene Chloride	20.0	20.0	100	7	30	79-119	
trans-1,2-Dichloroethene	20.0	19.5	97	7	30	75-122	
Chlorodibromomethane	20.0	20.1	100	5	30	80-120	
Methyl tert-butyl ether	20.0	19.2	96	5	30	71-115	
Chloroethane	20.0	19.6	98	9	30	69-145	
1,1-Dichloroethane	20.0	19.6	98	8	30	78-122	
cis-1,2-Dichloroethene	20.0	20.4	102	11	30	80-120	
2-Butanone (MEK)	20.0	18.5	93	7	30	65-114	
Chloroform	20.0	20.3	101	14	30	82-123	
Ethylbenzene	20.0	19.8	99	8	30	79-126	
Cyclohexane	20.0	19.5	98	18	30	58-133	
Carbon tetrachloride	20.0	19.0	95	6	30	73-120	
Benzene	20.0	20.0	100	11	30	83-124	
1,2-Dichloroethane	20.0	19.7	99	4	30	74-118	
Trichloroethene	20.0	19.9	100	6	30	78-119	
Methylcyclohexane	20.0	19.3	97	23	30	61-129	
Dichlorobromomethane	20.0	20.2	101	8	30	79-119	
cis-1,3-Dichloropropene	20.0	20.0	100	8	30	80-120	
4-Methyl-2-pentanone (MIBK)	20.0	19.3	97	7	30	53-120	
Toluene	20.0	20.1	100	10	30	80-120	
trans-1,3-Dichloropropene	20.0	20.7	103	10	30	78-118	
1,1,2-Trichloroethane	20.0	20.1	101	8	30	79-119	
Tetrachloroethene	20.0	20.2	101	10	30	68-139	
2-Hexanone	20.0	19.0	95	12	30	53-121	
1,2-Dibromoethane	20.0	19.8	99	1	30	78-118	
Chlorobenzene	20.0	20.1	100	8	30	81-121	
Xylenes, Total	60.0	59.5	99	5	30	76-121	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: e10360.d
 Lab ID: LCSD 460-137198/6 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Styrene	20.0	19.8	99	6	30	69-112	
Bromoform	20.0	19.4	97	1	30	73-123	
Isopropylbenzene	20.0	19.7	98	3	30	80-125	
1,1,2,2-Tetrachloroethane	20.0	19.9	99	2	30	74-126	
1,3-Dichlorobenzene	20.0	19.3	97	1	30	81-126	
1,4-Dichlorobenzene	20.0	19.5	97	1	30	83-123	
1,2,4-Trichlorobenzene	20.0	18.5	93	17	30	66-120	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Lab File ID: e10356.d Lab Sample ID: MB 460-137198/4
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: VOAMS5 Date Analyzed: 11/27/2012 22:42
GC Column: Rtx-VMS ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-137198/3	e10352.d	11/27/2012 20:24
WG-17338-111612-MW37-CG-269	460-47276-2	e10359.d	11/28/2012 00:03
	LCSD 460-137198/6	e10360.d	11/28/2012 00:27

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Lab File ID: e10196.d BFB Injection Date: 11/23/2012
Instrument ID: VOAMS5 BFB Injection Time: 06:04
Analysis Batch No.: 136876

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.5
75	30.0 - 60.0 % of mass 95	54.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	97.6
175	5.0 - 9.0 % of mass 174	7.8 (8.0) 1
176	95.0 - 101.0 % of mass 174	96.7 (99.0) 1
177	5.0 - 9.0 % of mass 176	5.9 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-136876/2	e10198.d	11/23/2012	06:40
	IC 460-136876/3	e10200.d	11/23/2012	08:02
	IC 460-136876/4	e10201.d	11/23/2012	08:25
	IC 460-136876/5	e10203.d	11/23/2012	09:11
	IC 460-136876/6	e10204.d	11/23/2012	09:34
	IC 460-136876/7	e10205.d	11/23/2012	09:57

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Lab File ID: e10349.d BFB Injection Date: 11/27/2012
 Instrument ID: VOAMS5 BFB Injection Time: 19:13
 Analysis Batch No.: 137198

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	20.9
75	30.0 - 60.0 % of mass 95	52.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	5.9
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	93.1
175	5.0 - 9.0 % of mass 174	8.0 (8.6) 1
176	95.0 - 101.0 % of mass 174	93.6 (100.5) 1
177	5.0 - 9.0 % of mass 176	5.6 (6.0) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-137198/2	e10350.d	11/27/2012	19:37
	LCS 460-137198/3	e10352.d	11/27/2012	20:24
	MB 460-137198/4	e10356.d	11/27/2012	22:42
WG-17338-111612-MW37-CG-269	460-47276-2	e10359.d	11/28/2012	00:03
	LCSD 460-137198/6	e10360.d	11/28/2012	00:27
	CCV 460-137198/7	e10362.d	11/28/2012	01:13

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Sample No.: CCVIS 460-137198/2 Date Analyzed: 11/27/2012 19:37
 Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm)
 Lab File ID (Standard): e10350.d Heated Purge: (Y/N) N
 Calibration ID: 18955

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		733174	3.61	648135	6.94	358440	10.45
UPPER LIMIT		1466348	4.11	1296270	7.44	716880	10.95
LOWER LIMIT		366587	3.11	324068	6.44	179220	9.95
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-137198/3		687759	3.61	623242	6.94	355502	10.45
MB 460-137198/4		714077	3.61	627091	6.94	352545	10.45
460-47276-2	WG-17338-111612-MW37-CG-269	679142	3.61	608888	6.94	344079	10.45
LCSD 460-137198/6		707770	3.61	628780	6.94	360304	10.45
CCV 460-137198/7		679294	3.61	614179	6.94	352138	10.45

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Client Sample ID: WG-17338-111612-MW37-CG-2 Lab Sample ID: 460-47276-2
 Matrix: Water Lab File ID: e10359.d
 Analysis Method: 8260B Date Collected: 11/16/2012 13:30
 Sample wt/vol: 5(mL) Date Analyzed: 11/28/2012 00:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 137198 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.060	U	1.0	0.060
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.10	U	1.0	0.10
75-01-4	Vinyl chloride	0.14	U	1.0	0.14
74-83-9	Bromomethane	0.18	U	1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	0.40	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	0.21	U	1.0	0.21
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.090	U	1.0	0.090
78-87-5	1,2-Dichloropropane	0.090	U	1.0	0.090
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	1.0	0.080
67-64-1	Acetone	2.7	U ^	5.0	2.7
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
79-20-9	Methyl acetate	0.34	U	2.0	0.34
75-09-2	Methylene Chloride	0.18	U	1.0	0.18
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
124-48-1	Chlorodibromomethane	0.20	U	1.0	0.20
1634-04-4	Methyl tert-butyl ether	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.17	U	1.0	0.17
75-34-3	1,1-Dichloroethane	0.13	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.18	U	1.0	0.18
78-93-3	2-Butanone (MEK)	2.3	U	5.0	2.3
67-66-3	Chloroform	0.080	U	1.0	0.080
100-41-4	Ethylbenzene	0.10	U	1.0	0.10
110-82-7	Cyclohexane	7.3		1.0	0.16
56-23-5	Carbon tetrachloride	0.060	U	1.0	0.060
71-43-2	Benzene	22		1.0	0.080
107-06-2	1,2-Dichloroethane	1.4		1.0	0.19
79-01-6	Trichloroethene	0.090	U	1.0	0.090
108-87-2	Methylcyclohexane	4.0	^	1.0	0.14
75-27-4	Dichlorobromomethane	0.12	U	1.0	0.12
10061-01-5	cis-1,3-Dichloropropene	0.18	U	1.0	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	5.0	0.99
108-88-3	Toluene	0.32	J	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	0.24	U	1.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Client Sample ID: WG-17338-111612-MW37-CG-2 Lab Sample ID: 460-47276-2
 Matrix: Water Lab File ID: e10359.d
 Analysis Method: 8260B Date Collected: 11/16/2012 13:30
 Sample wt/vol: 5(mL) Date Analyzed: 11/28/2012 00:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 137198 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	0.19	U	1.0	0.19
127-18-4	Tetrachloroethene	0.10	U	1.0	0.10
591-78-6	2-Hexanone	0.50	U	5.0	0.50
106-93-4	1,2-Dibromoethane	0.28	U	1.0	0.28
108-90-7	Chlorobenzene	0.11	U	1.0	0.11
1330-20-7	Xylenes, Total	0.56	J	3.0	0.36
100-42-5	Styrene	0.12	U	1.0	0.12
75-25-2	Bromoform	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	1.1		1.0	0.080
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.0	0.16
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
106-46-7	1,4-Dichlorobenzene	0.23	U	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	0.34	U	1.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		70-130
460-00-4	4-Bromofluorobenzene	102		70-130
2037-26-5	Toluene-d8 (Surr)	100		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Client Sample ID: WG-17338-111612-MW37-CG-2 Lab Sample ID: 460-47276-2
Matrix: Water Lab File ID: e10359.d
Analysis Method: 8260B Date Collected: 11/16/2012 13:30
Sample wt/vol: 5(mL) Date Analyzed: 11/28/2012 00:03
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 137198 Units: ug/L
Number TICs Found: 4 TIC Result Total: 54.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	C4H10 Alkane	1.05	18	J
	C5H12 Alkane	1.25	15	J
	C5H10 Cycloalkane	1.78	12	J
	C6H12 Cycloalkane	2.39	9.5	J

Data File: /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10359.d
 Report Date: 28-Nov-2012 10:47

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10359.d
 Lab Smp Id: 460-47276-A-2 Client Smp ID: WG-17338-111612-MW3
 Inj Date : 28-NOV-2012 00:03
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : 460-47276-A-2
 Misc Info : 460-47276-A-2
 Comment :
 Method : /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/8260DE_09.m
 Meth Date : 28-Nov-2012 08:09 desais Quant Type: ISTD
 Cal Date : 27-NOV-2012 19:37 Cal File: e10350.d
 Als bottle: 10
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: $\text{Amt} * \text{DF} * 5/\text{Vo} * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
							(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====		=====	=====
44 Cyclohexane	56	2.815	2.809	(0.779)	41880		7.34604	7.3
48 Benzene	78	3.278	3.278	(0.472)	325426		22.3273	22
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.382	3.376	(0.936)	250133		48.9259	49
49 1,2-Dichloroethane	62	3.430	3.430	(0.949)	8190		1.41085	1.4(H)
* 52 Fluorobenzene	96	3.613	3.607	(1.000)	679142		50.0000	
56 Methyl cyclohexane	83	3.741	3.741	(1.035)	19076		4.04555	4.0
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.736)	708512		50.1551	50
66 Toluene	91	5.156	5.162	(0.743)	5118		0.32216	0.32(a)
* 78 Chlorobenzene-d5	117	6.942	6.942	(1.000)	608888		50.0000	
84 o-Xylene	106	7.850	7.844	(1.131)	3748		0.55842	0.56(a)
88 Isopropylbenzene	105	8.326	8.332	(1.199)	18574		1.10483	1.1
\$ 89 Bromofluorobenzene (SUR)	174	8.692	8.692	(0.832)	284368		50.8528	51
* 108 1,4-Dichlorobenzene-d4	152	10.447	10.447	(1.000)	344079		50.0000	
M 121 Xylene (Total)	100				3748		0.55842	0.56(a)

Data File: /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10359.d
Report Date: 28-Nov-2012 10:47

QC Flag Legend

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

Data File: e10359.d

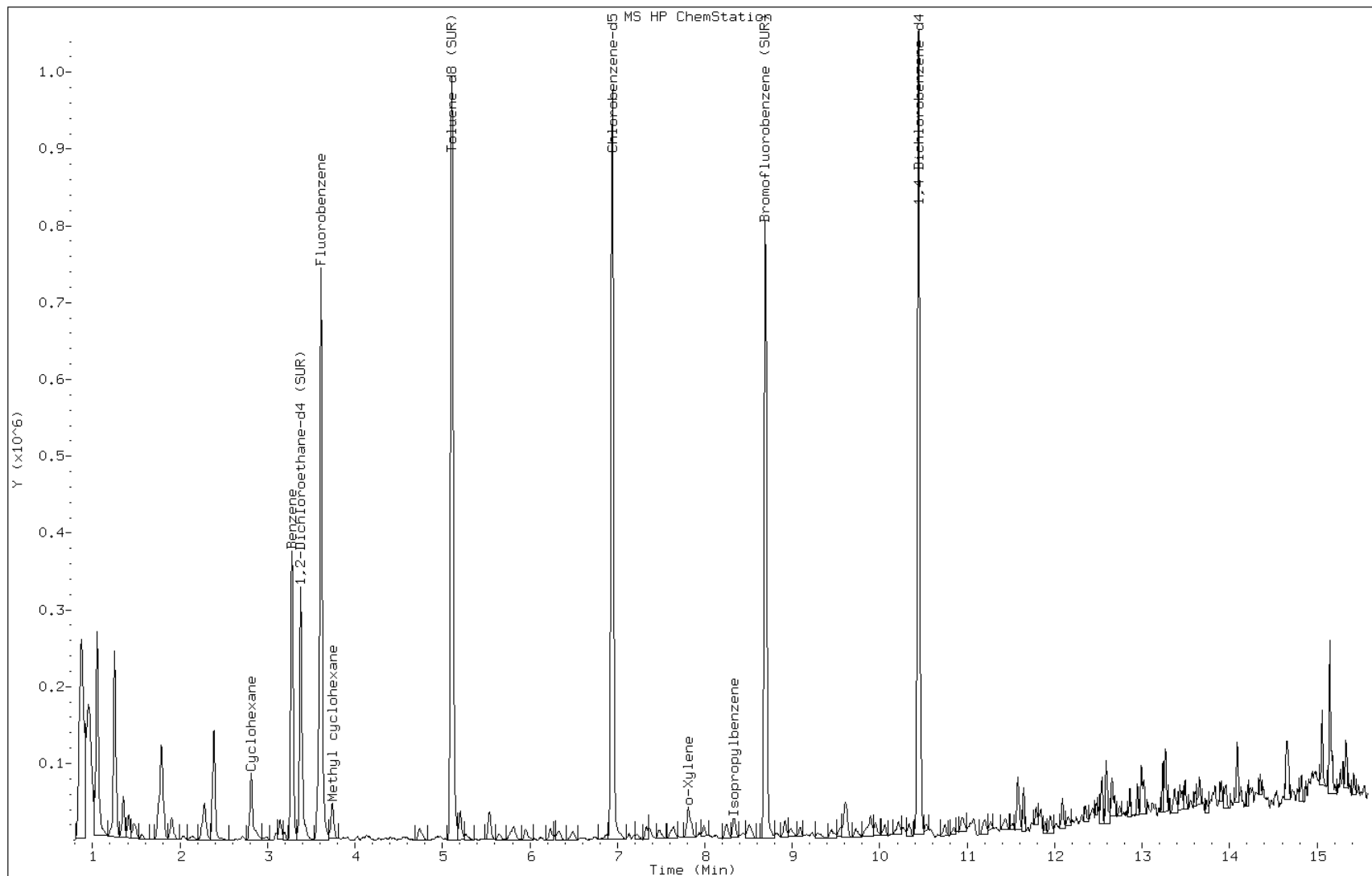
Date: 28-NOV-2012 00:03

Client ID: WG-17338-111612-MW3

Instrument: VOAMS5.i

Sample Info: 460-47276-A-2

Operator: GC/MS VOAMS5



Data File: e10359.d

Date: 28-NOV-2012 00:03

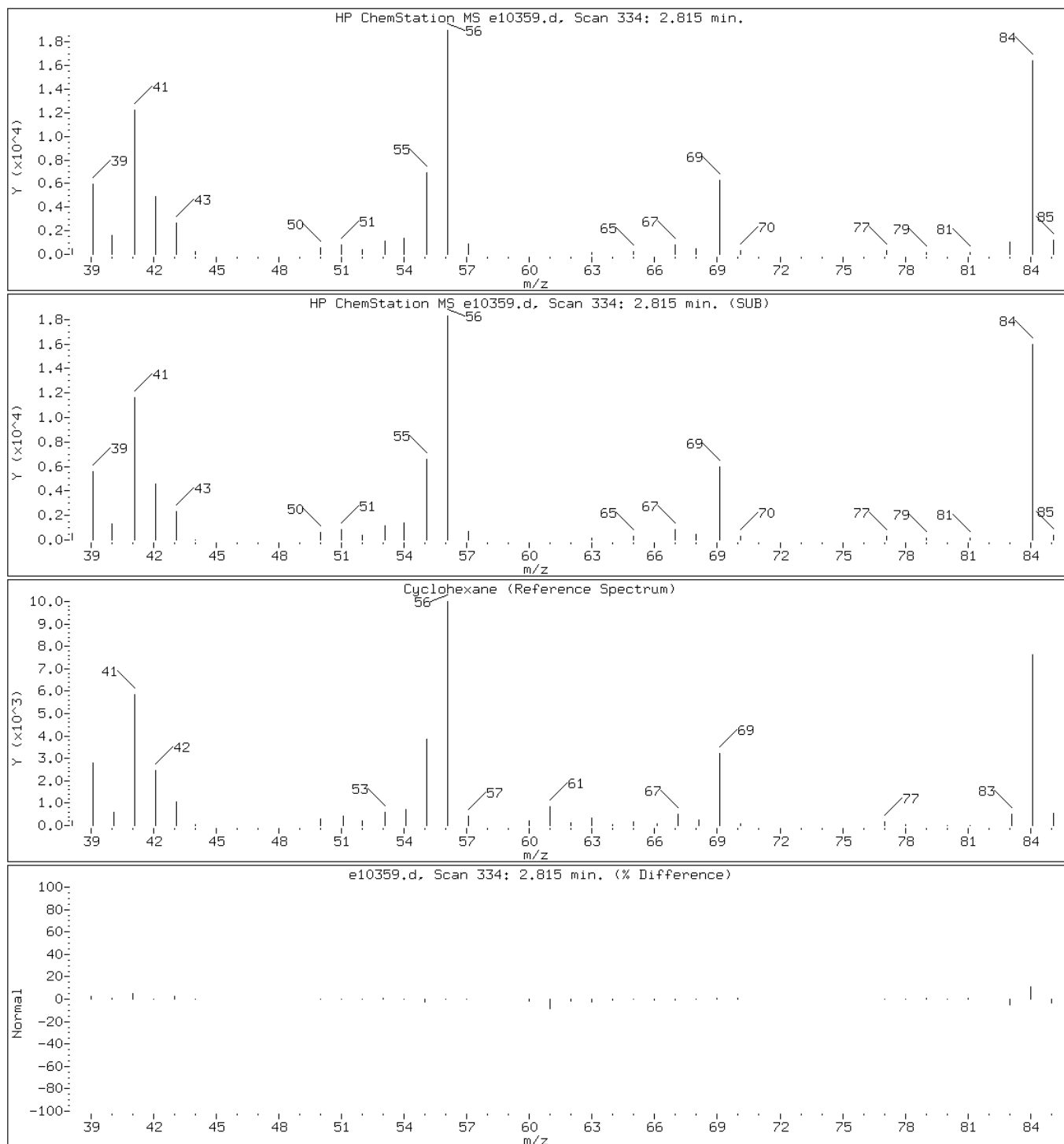
Client ID: WG-17338-111612-MW3

Instrument: VOAMS5.i

Sample Info: 460-47276-A-2

Operator: GC/MS VOAMS5

44 Cyclohexane



Data File: e10359.d

Date: 28-NOV-2012 00:03

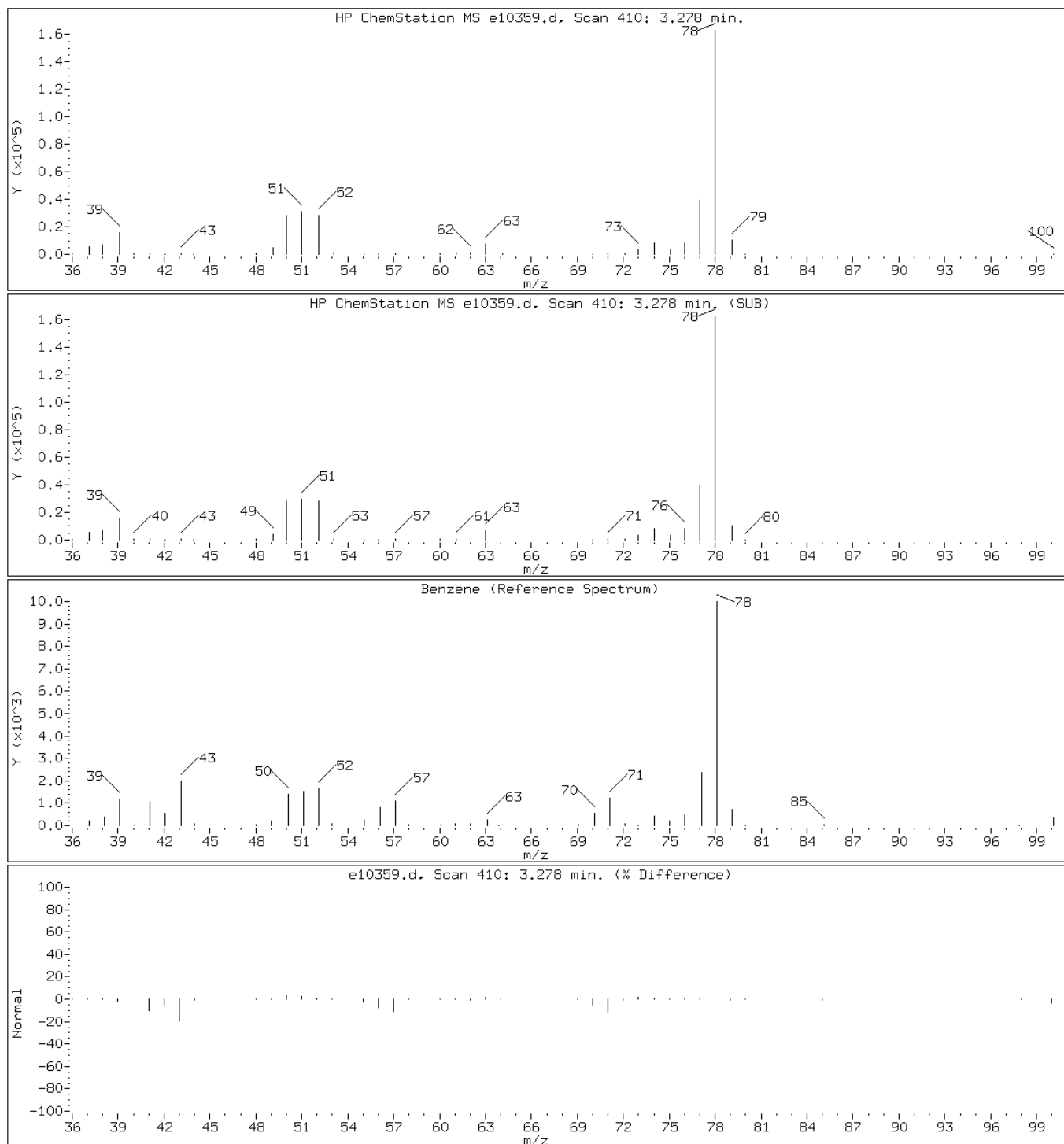
Client ID: WG-17338-111612-MW3

Instrument: VOAMS5.i

Sample Info: 460-47276-A-2

Operator: GC/MS VOAMS5

48 Benzene



Data File: e10359.d

Date: 28-NOV-2012 00:03

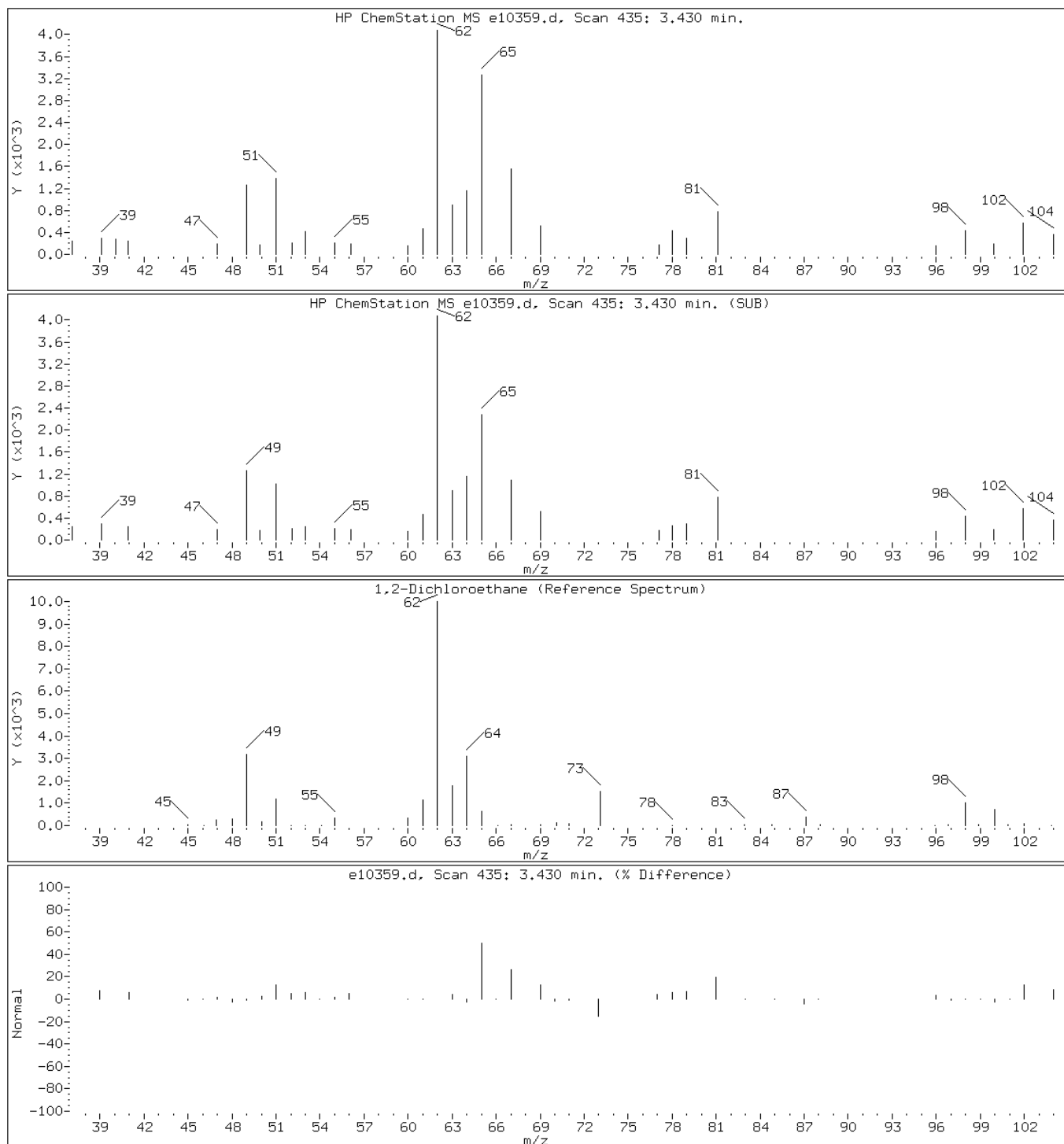
Client ID: WG-17338-111612-MW3

Instrument: VOAMS5.i

Sample Info: 460-47276-A-2

Operator: GC/MS VOAMS5

49 1,2-Dichloroethane



Data File: e10359.d

Date: 28-NOV-2012 00:03

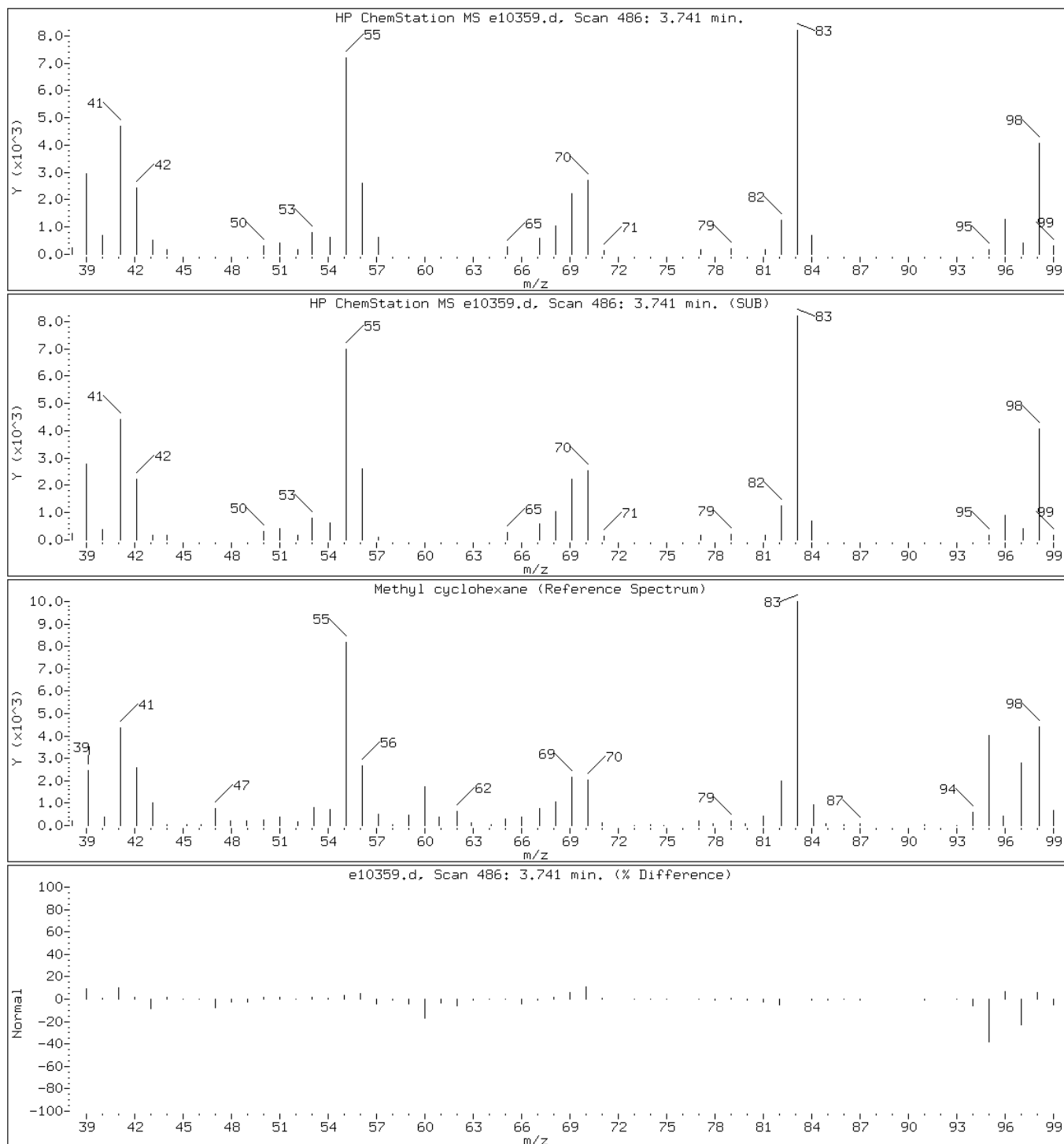
Client ID: WG-17338-111612-MW3

Instrument: VOAMS5.i

Sample Info: 460-47276-A-2

Operator: GC/MS VOAMS5

56 Methyl cyclohexane



Data File: e10359.d

Date: 28-NOV-2012 00:03

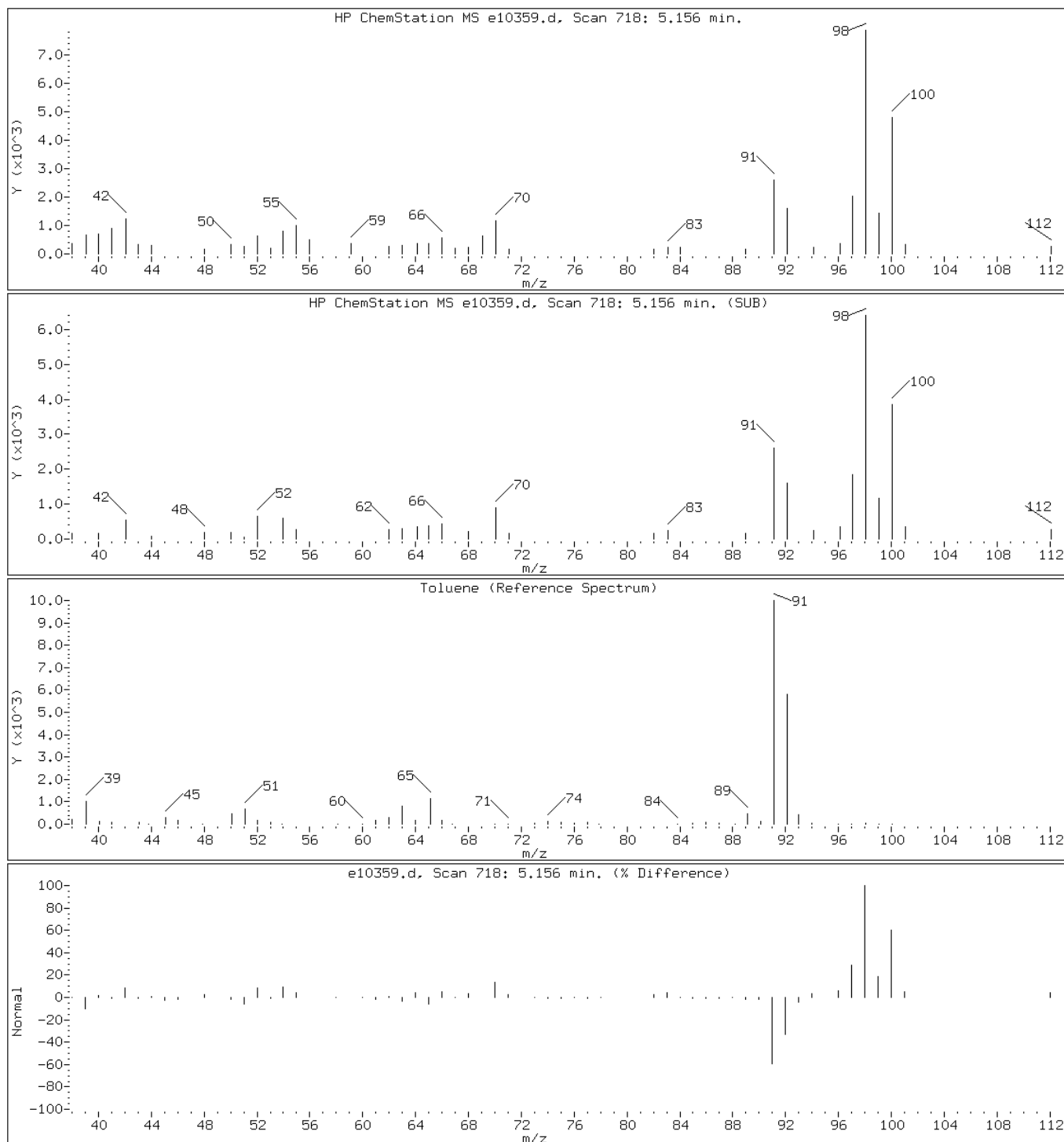
Client ID: WG-17338-111612-MW3

Instrument: VOAMS5.i

Sample Info: 460-47276-A-2

Operator: GC/MS VOAMS5

66 Toluene



Data File: e10359.d

Date: 28-NOV-2012 00:03

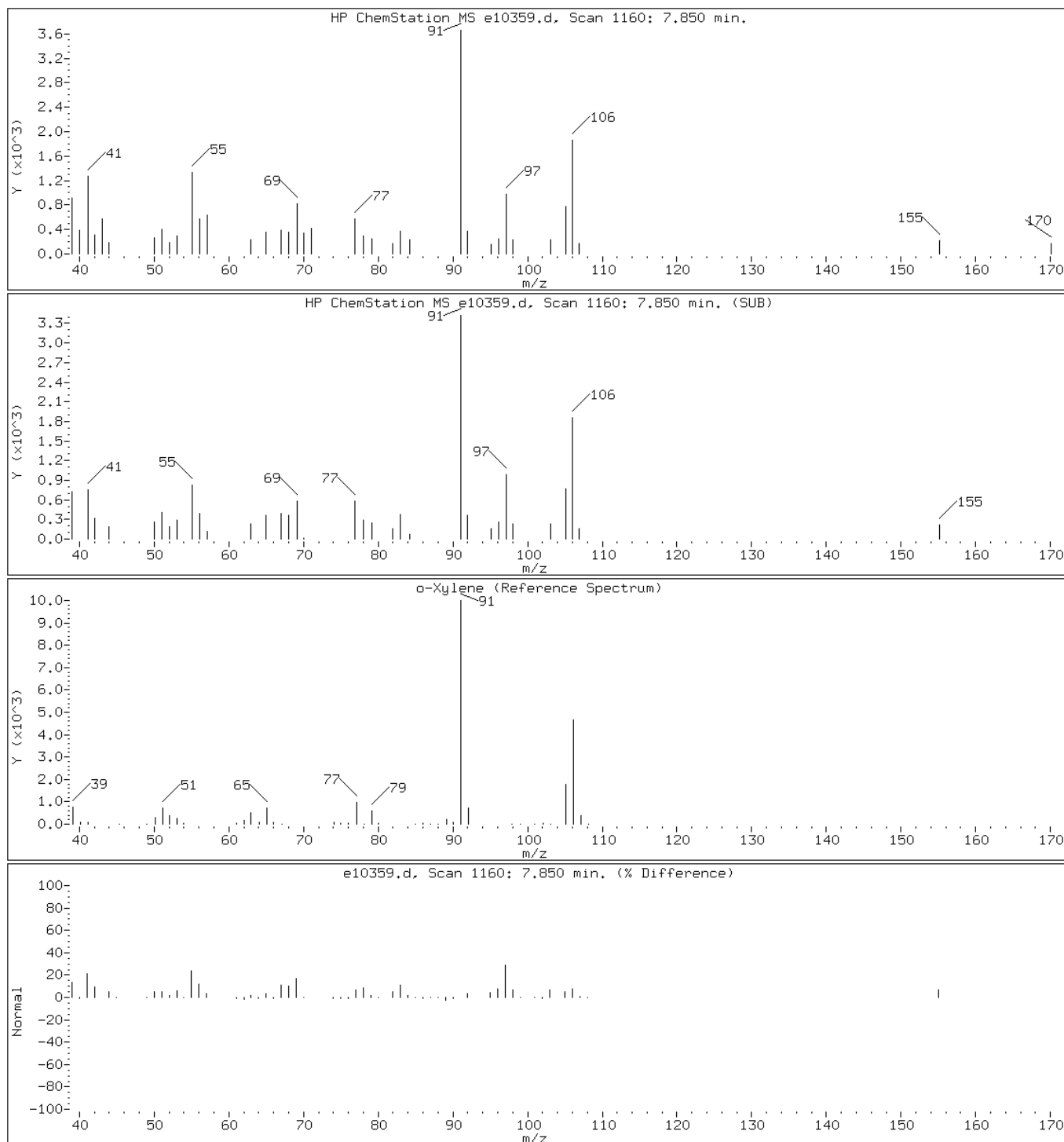
Client ID: WG-17338-111612-MW3

Instrument: VOAMS5.i

Sample Info: 460-47276-A-2

Operator: GC/MS VOAMS5

84 o-Xylene



Data File: e10359.d

Date: 28-NOV-2012 00:03

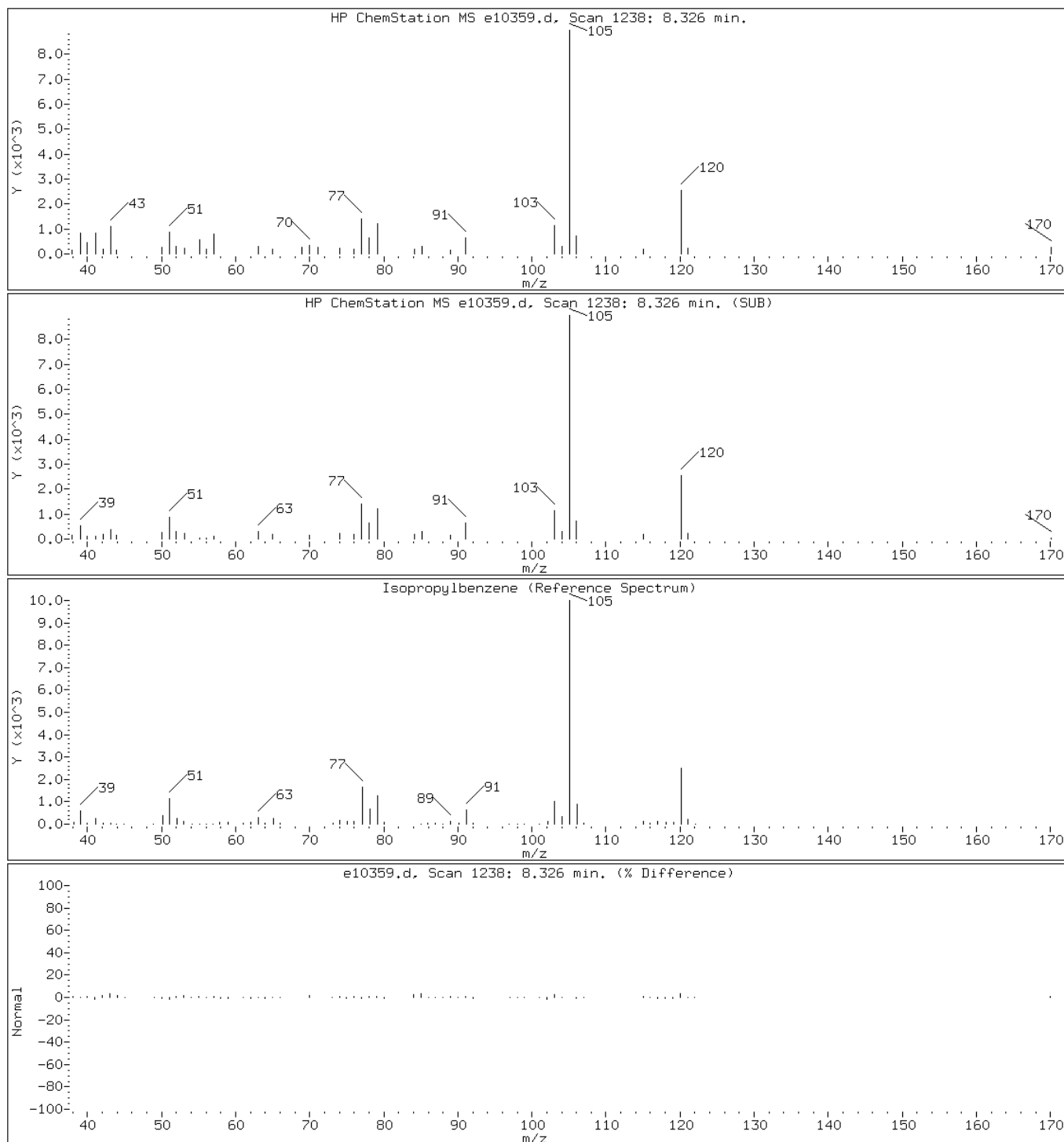
Client ID: WG-17338-111612-MW3

Instrument: VOAMS5.i

Sample Info: 460-47276-A-2

Operator: GC/MS VOAMS5

88 Isopropylbenzene



Data File: e10359.d

Date: 28-NOV-2012 00:03

Client ID: WG-17338-111612-MW3

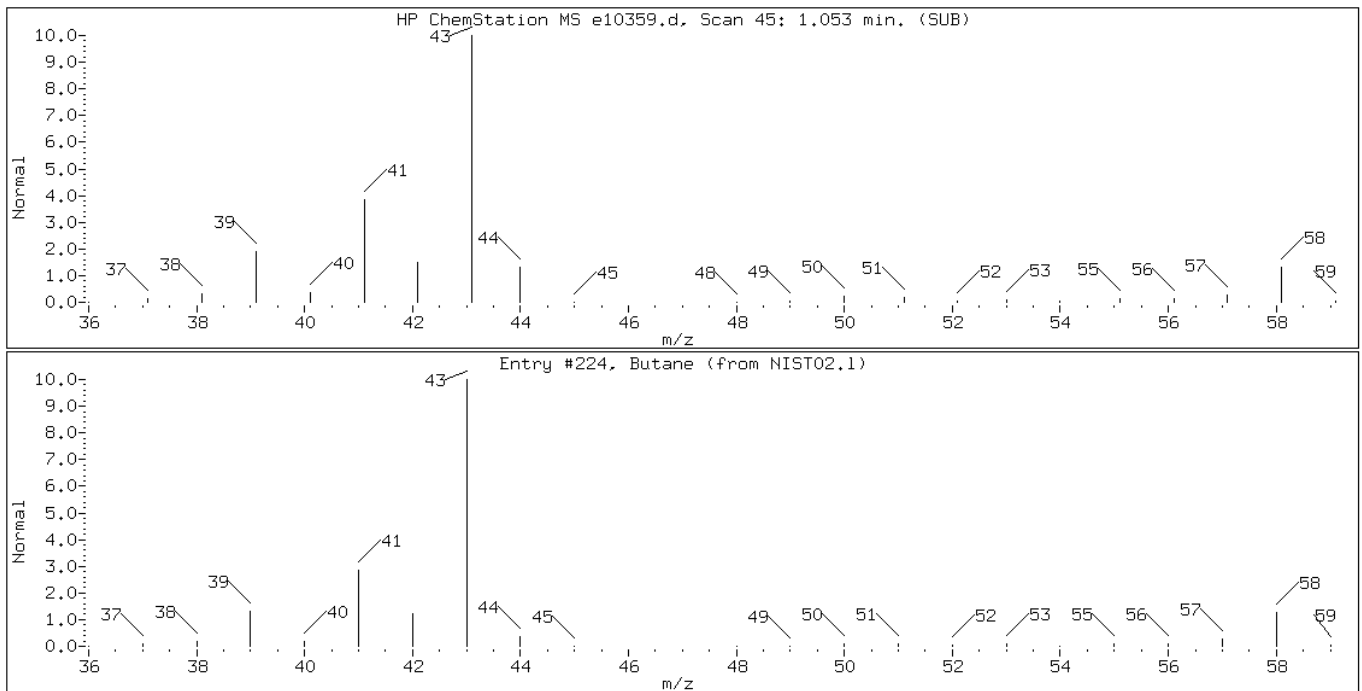
Instrument: VOAMS5.i

Sample Info: 460-47276-A-2

Operator: GC/MS VOAMS5

Retention Time: 1.05

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C4H10 Alkane						
Butane	106-97-8	NIST02.1	224	72	C4H10	58



Data File: e10359.d

Date: 28-NOV-2012 00:03

Client ID: WG-17338-111612-MW3

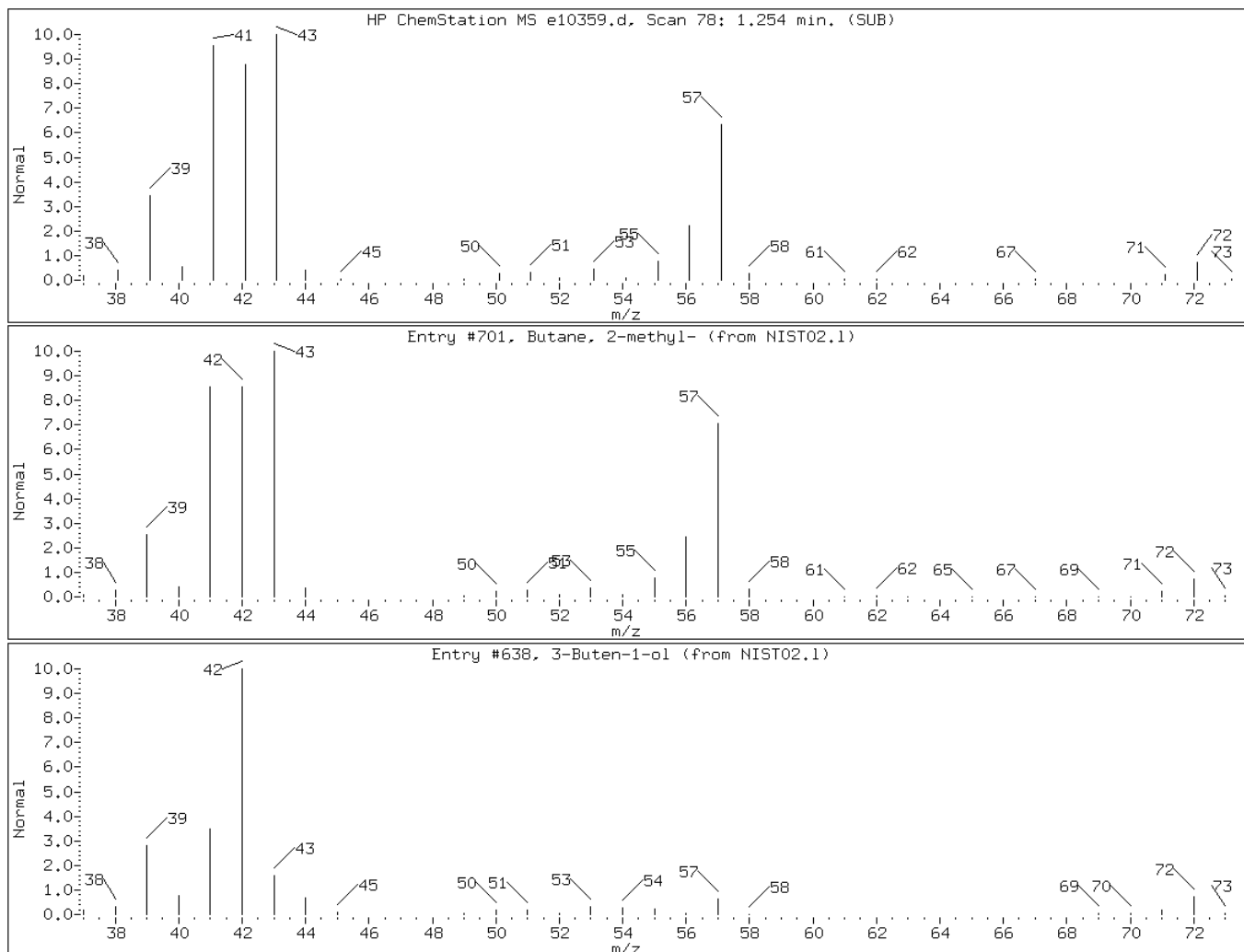
Instrument: VOAMS5.i

Sample Info: 460-47276-A-2

Operator: GC/MS VOAMS5

Retention Time: 1.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H12 Alkane						
Butane, 2-methyl-	78-78-4	NIST02.1	701	91	C5H12	72
3-Buten-1-ol	627-27-0	NIST02.1	638	47	C4H8O	72



Data File: e10359.d

Date: 28-NOV-2012 00:03

Client ID: WG-17338-111612-MW3

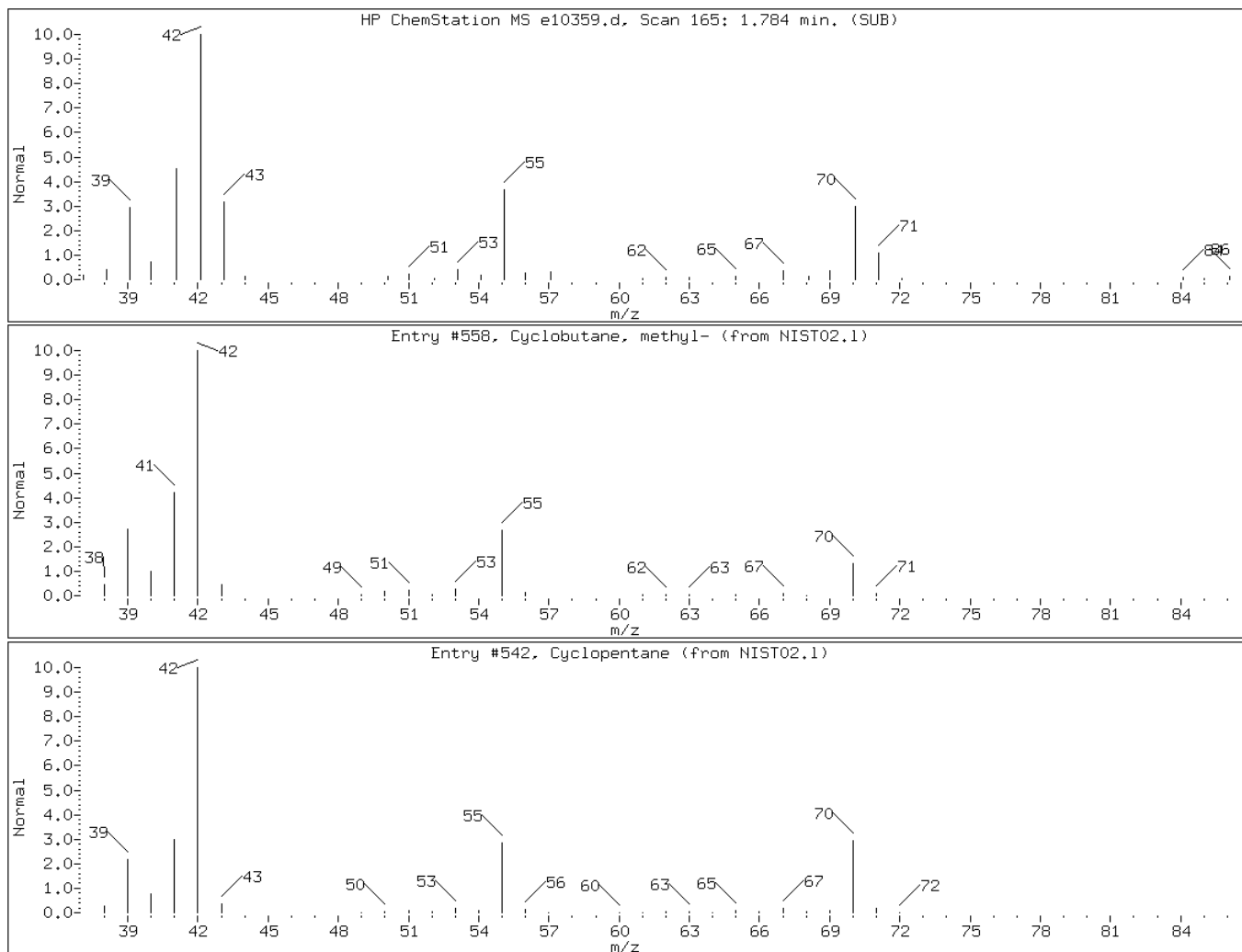
Instrument: VOAMS5.i

Sample Info: 460-47276-A-2

Operator: GC/MS VOAMS5

Retention Time: 1.78

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H10 Cycloalkane						
Cyclobutane, methyl-	598-61-8	NIST02.1	558	80	C5H10	70
Cyclopentane	287-92-3	NIST02.1	542	72	C5H10	70



Data File: e10359.d

Date: 28-NOV-2012 00:03

Client ID: WG-17338-111612-MW3

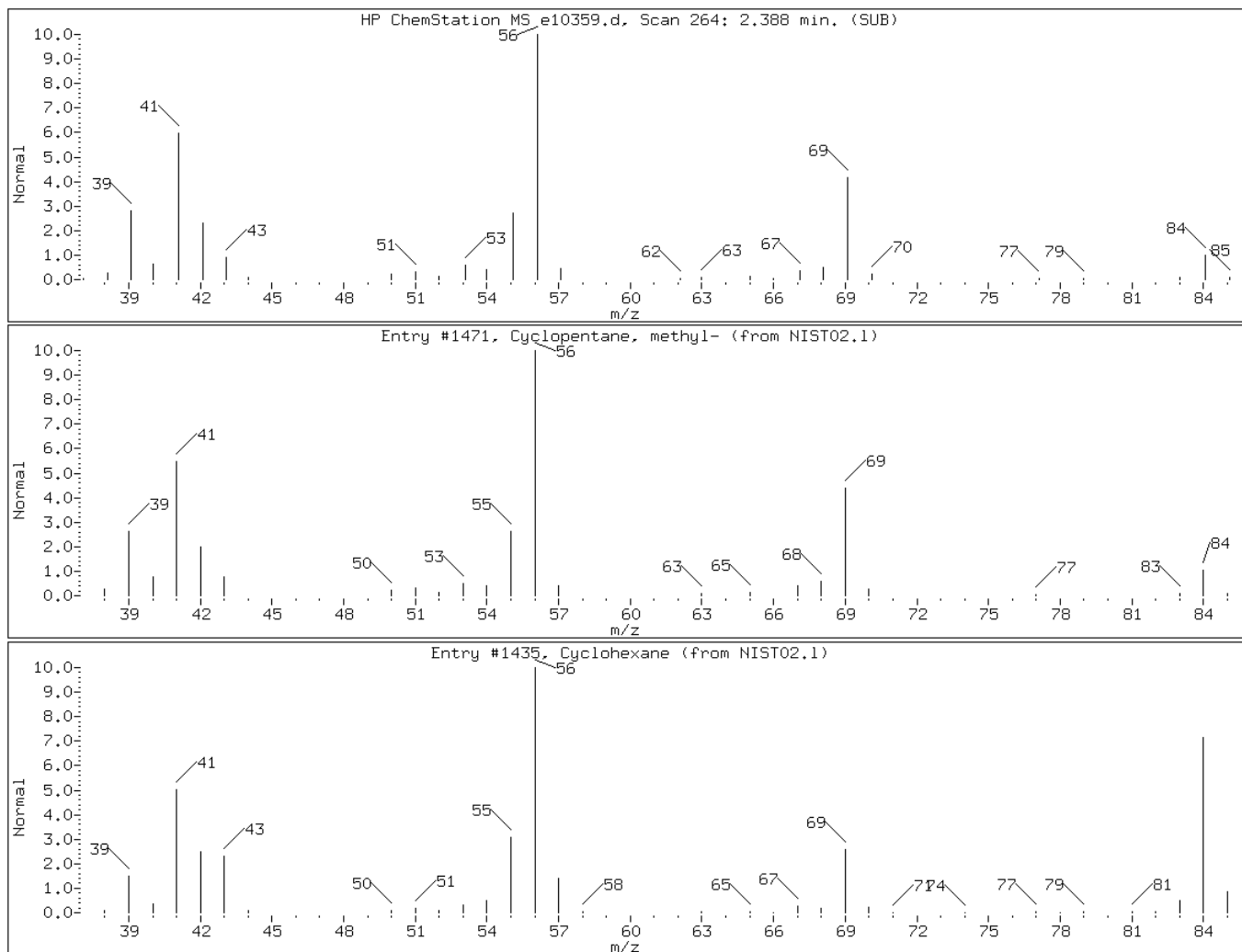
Instrument: VOAMS5.i

Sample Info: 460-47276-A-2

Operator: GC/MS VOAMS5

Retention Time: 2.39

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C6H12 Cycloalkane						
Cyclopentane, methyl-	96-37-7	NIST02.1	1471	94	C6H12	84
Cyclohexane	110-82-7	NIST02.1	1435	90	C6H12	84



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

Lab Name: TestAmerica Edison Job No.: 460-47276-1 Analy Batch No.: 136876

SDG No.: _____

Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/23/2012 06:40 Calibration End Date: 11/23/2012 09:57 Calibration ID: 18955

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-136876/4	e10201.d
Level 2	IC 460-136876/3	e10200.d
Level 3	ICIS 460-136876/2	e10198.d
Level 4	IC 460-136876/5	e10203.d
Level 5	IC 460-136876/6	e10204.d
Level 6	IC 460-136876/7	e10205.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1709 0.2039	0.2527	0.2375	0.2270	0.2205	Ave		0.2187			0.1000	13.1		30.0			
Vinyl chloride	0.2009 0.2288	0.2980	0.2709	0.2655	0.2581	Ave		0.2537			0.1000	13.5		30.0			
Chloromethane	0.2985 0.2388	0.3506	0.3137	0.2945	0.2692	Ave		0.2942			0.1000	13.0		30.0			
Bromomethane	0.1782 0.1646	0.2164	0.1869	0.1650	0.1729	Ave		0.1807			0.1000	10.8		30.0			
Chloroethane	0.1517 0.1527	0.1976	0.1900	0.1790	0.1740	Ave		0.1742			0.1000	10.9		30.0			
Trichlorofluoromethane	0.4529 0.3992	0.5169	0.4697	0.4566	0.4397	Ave		0.4558			0.1000	8.4		30.0			
1,1-Dichloroethene	0.1925 0.1761	0.1970	0.1958	0.1962	0.1873	Ave		0.1908			0.1000	4.2		30.0			
Carbon disulfide	0.8439 0.7057	0.8482	0.7982	0.7795	0.7235	Ave		0.7832			0.1000	7.6		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2583 0.2426	0.2801	0.2559	0.2480	0.2287	Ave		0.2523			0.1000	6.8		30.0			
Methylene Chloride	0.3833 0.2479	0.3298	0.3178	0.3103	0.2998	Ave		0.3148			0.1000	14.0		30.0			
Acetone	0.0240 0.0192	0.0209	0.0277	0.0171	0.0175	LinF		0.0189							0.9980		0.9900
trans-1,2-Dichloroethene	0.2555 0.2257	0.2527	0.2584	0.2535	0.2448	Ave		0.2484			0.1000	4.8		30.0			
Methyl acetate	0.0504 0.0363	0.0547	0.0461	0.0426	0.0379	LinF		0.0366							0.9991		0.9900
Methyl tert-butyl ether	0.8648 0.7356	0.9469	0.8782	0.8352	0.7609	Ave		0.8369			0.1000	9.4		30.0			
1,1-Dichloroethane	0.5079 0.4539	0.4961	0.5090	0.5026	0.4789	Ave		0.4914			0.1000	4.4		30.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1 Analy Batch No.: 136876

SDG No.: _____

Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/23/2012 06:40 Calibration End Date: 11/23/2012 09:57 Calibration ID: 18955

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	0.2661 0.2352	0.2600	0.2556	0.2496	0.2376	Ave		0.2507			0.1000	4.9		30.0			
Cyclohexane	0.4184 0.3787	0.4303	0.3929	0.3894	0.3601	Ave		0.3950			0.1000	6.5		30.0			
Chloroform	0.4659 0.4318	0.4513	0.4617	0.4455	0.4100	Ave		0.4444			0.1000	4.7		30.0			
Carbon tetrachloride	0.3553 0.3996	0.3891	0.4019	0.4053	0.3969	Ave		0.3913			0.1000	4.7		30.0			
1,1,1-Trichloroethane	0.4145 0.4259	0.4323	0.4346	0.4417	0.4273	Ave		0.4294			0.1000	2.2		30.0			
2-Butanone (MEK)	0.0251 0.0365	0.0261	0.0401	0.0372	0.0344	LinF		0.0362							0.9992		0.9900
Benzene	1.1814 1.1684	1.1122	1.1849	1.1815	1.1440	Ave		1.1621			0.1000	2.5		30.0			
1,2-Dichloroethane	0.4160 0.3693	0.3848	0.3917	0.3899	0.3751	Ave		0.3878			0.1000	4.2		30.0			
Methylcyclohexane	0.4168 0.3283	0.3930	0.3579	0.3517	0.3228	Ave		0.3618			0.1000	10.2		30.0			
Trichloroethene	0.2749 0.2514	0.2633	0.2542	0.2585	0.2499	Ave		0.2587			0.1000	3.6		30.0			
1,2-Dichloropropane	0.2383 0.2215	0.2327	0.2438	0.2413	0.2331	Ave		0.2351			0.1000	3.4		30.0			
Dichlorobromomethane	0.3555 0.3363	0.3487	0.3650	0.3608	0.3463	Ave		0.3521			0.1000	3.0		30.0			
cis-1,3-Dichloropropene	0.5293 0.5148	0.5065	0.5363	0.5333	0.5161	Ave		0.5227			0.1000	2.3		30.0			
Toluene	1.3342 1.2840	1.2871	1.3400	1.3329	1.2892	Ave		1.3112			0.1000	2.1		30.0			
Tetrachloroethene	0.3515 0.3616	0.3641	0.3712	0.3803	0.3643	Ave		0.3655			0.1000	2.6		30.0			
4-Methyl-2-pentanone (MIBK)	0.2692 0.2480	0.2424	0.2613	0.2499	0.2238	Ave		0.2491			0.1000	6.3		30.0			
trans-1,3-Dichloropropene	0.5067 0.4848	0.4767	0.5008	0.5002	0.4772	Ave		0.4911			0.1000	2.7		30.0			
1,1,2-Trichloroethane	0.2315 0.1924	0.1975	0.2021	0.2028	0.1889	Ave		0.2025			0.1000	7.5		30.0			
Chlorodibromomethane	0.3328 0.3341	0.3210	0.3427	0.3412	0.3312	Ave		0.3338			0.1000	2.3		30.0			
1,2-Dibromoethane	0.2532 0.2416	0.2545	0.2581	0.2570	0.2409	Ave		0.2509			0.1000	3.1		30.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1 Analy Batch No.: 136876

SDG No.: _____

Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/23/2012 06:40 Calibration End Date: 11/23/2012 09:57 Calibration ID: 18955

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.1851 0.1921	0.1784	0.2049	0.1840	0.1650	Ave		0.1849			0.1000	7.2		30.0			
Chlorobenzene	0.9163 0.8364	0.8536	0.8848	0.8771	0.8435	Ave		0.8686			0.1000	3.5		30.0			
Ethylbenzene	0.4622 0.4558	0.4465	0.4601	0.4617	0.4496	Ave		0.4560			0.1000	1.5		30.0			
m-Xylene & p-Xylene	0.5675 0.5668	0.5592	0.5823	0.5793	0.5586	Ave		0.5690			0.1000	1.7		30.0			
o-Xylene	0.5706 0.5482	0.5558	0.5668	0.5591	0.5511	Ave		0.5586			0.1000	1.6		30.0			
Bromoform	0.2069 0.2394	0.2253	0.2320	0.2355	0.2384	Ave		0.2296			0.1000	5.3		30.0			
Styrene	0.9886 0.9455	0.9160	0.9800	0.9627	0.9485	Ave		0.9569			0.1000	2.7		30.0			
Isopropylbenzene	1.4636 1.4187	1.4125	1.4692	1.4600	1.4375	Ave		1.4436			0.1000	1.7		30.0			
1,1,2,2-Tetrachloroethane	0.5393 0.4701	0.4820	0.4950	0.4886	0.4735	Ave		0.4914			0.1000	5.1		30.0			
1,3-Dichlorobenzene	1.3861 1.2203	1.2225	1.3192	1.2597	1.2351	Ave		1.2738			0.1000	5.2		30.0			
1,4-Dichlorobenzene	1.5116 1.2575	1.2670	1.3534	1.2835	1.2573	Ave		1.3217			0.1000	7.6		30.0			
1,2-Dichlorobenzene	1.2975 1.1608	1.1595	1.2316	1.1796	1.1664	Ave		1.1992			0.1000	4.6		30.0			
1,2-Dibromo-3-Chloropropane	0.1013 0.1013	0.0931	0.1014	0.0960	0.0975	Ave		0.0985		*	0.1000	3.5		30.0			
1,2,4-Trichlorobenzene	1.0947 0.6589	0.7623	0.8360	0.7327	0.6863	LinF		0.6638							0.9994		0.9900
1,2-Dichloroethane-d4 (Surr)	0.3490 0.3565	0.3567	0.3530	0.3493	0.3484	Ave		0.3521			0.1000	1.1		30.0			
Toluene-d8 (Surr)	1.2021 1.1841	1.1811	1.1876	1.1995	1.1895	Ave		1.1906			0.1000	0.7		30.0			
4-Bromofluorobenzene	0.8705 0.8575	0.8419	0.8668	0.8477	0.8552	Ave		0.8566			0.1000	1.3		30.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1 Analy Batch No.: 136876

SDG No.: _____

Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/23/2012 06:40 Calibration End Date: 11/23/2012 09:57 Calibration ID: 18955

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-136876/4	e10201.d
Level 2	IC 460-136876/3	e10200.d
Level 3	ICIS 460-136876/2	e10198.d
Level 4	IC 460-136876/5	e10203.d
Level 5	IC 460-136876/6	e10204.d
Level 6	IC 460-136876/7	e10205.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	2209 1529949	15384	59505	150822	592809	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	Ave	2596 1716496	18139	67886	176421	693971	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	Ave	3858 1791474	21343	78616	195688	723960	1.00 500	5.00	20.0	50.0	200
Bromomethane	FB	Ave	2303 1234807	13173	46843	109626	464879	1.00 500	5.00	20.0	50.0	200
Chloroethane	FB	Ave	1961 1145877	12029	47616	118938	467864	1.00 500	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	5854 2995458	31470	117700	303396	1182213	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethene	FB	Ave	2488 1321575	11994	49065	130362	503515	1.00 500	5.00	20.0	50.0	200
Carbon disulfide	FB	Ave	10907 5294950	51634	200015	517976	1945537	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	3338 1820128	17049	64117	164827	614992	1.00 500	5.00	20.0	50.0	200
Methylene Chloride	FB	Ave	4954 1859673	20076	79630	206185	806252	1.00 500	5.00	20.0	50.0	200
Acetone	FB	LinF	1549 143690	3816	6942	11380	47002	5.00 500	15.0	20.0	50.0	200
trans-1,2-Dichloroethene	FB	Ave	3302 1693261	15386	64747	168428	658243	1.00 500	5.00	20.0	50.0	200
Methyl acetate	FB	LinF	652 272420	3327	11550	28294	101845	1.00 500	5.00	20.0	50.0	200
Methyl tert-butyl ether	FB	Ave	11177 5518976	57644	220060	555014	2046122	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	6564 3405621	30203	127535	333966	1287622	1.00 500	5.00	20.0	50.0	200
cis-1,2-Dichloroethene	FB	Ave	3439 1764896	15827	64048	165876	638897	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1 Analy Batch No.: 136876

SDG No.: _____

Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/23/2012 06:40 Calibration End Date: 11/23/2012 09:57 Calibration ID: 18955

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Cyclohexane	FB	Ave	5408 2841651	26193	98451	258753	968251	1.00 500	5.00	20.0	50.0	200
Chloroform	FB	Ave	6021 3239644	27477	115682	296062	1102394	1.00 500	5.00	20.0	50.0	200
Carbon tetrachloride	FB	Ave	4592 2997873	23690	100715	269303	1067128	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	Ave	5357 3195453	26316	108908	293540	1149020	1.00 500	5.00	20.0	50.0	200
2-Butanone (MEK)	FB	LinF	1622 273922	4759	10046	24709	92402	5.00 500	15.0	20.0	50.0	200
Benzene	CBZ	Ave	12531 6686732	56283	243761	639330	2462648	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane	FB	Ave	5377 2771053	23427	98153	259078	1008533	1.00 500	5.00	20.0	50.0	200
Methylcyclohexane	FB	Ave	5387 2463526	23924	89670	233713	868089	1.00 500	5.00	20.0	50.0	200
Trichloroethene	FB	Ave	3553 1886389	16029	63707	171805	672039	1.00 500	5.00	20.0	50.0	200
1,2-Dichloropropane	FB	Ave	3080 1661750	14166	61079	160341	626665	1.00 500	5.00	20.0	50.0	200
Dichlorobromomethane	FB	Ave	4595 2522969	21230	91468	239751	931129	1.00 500	5.00	20.0	50.0	200
cis-1,3-Dichloropropene	CBZ	Ave	5614 2946408	25633	110335	288575	1110910	1.00 500	5.00	20.0	50.0	200
Toluene	CBZ	Ave	14152 7348759	65133	275684	721238	2775230	1.00 500	5.00	20.0	50.0	200
Tetrachloroethene	CBZ	Ave	3729 2069414	18427	76373	205782	784102	1.00 500	5.00	20.0	50.0	200
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	14277 1419326	36807	53757	135207	481681	5.00 500	15.0	20.0	50.0	200
trans-1,3-Dichloropropene	CBZ	Ave	5375 2774650	24124	103030	270647	1027157	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloroethane	CBZ	Ave	2456 1101389	9993	41580	109749	406584	1.00 500	5.00	20.0	50.0	200
Chlorodibromomethane	CBZ	Ave	3530 1911874	16245	70500	184614	712880	1.00 500	5.00	20.0	50.0	200
1,2-Dibromoethane	CBZ	Ave	2686 1382608	12877	53105	139070	518670	1.00 500	5.00	20.0	50.0	200
2-Hexanone	CBZ	Ave	9816 1099298	27089	42161	99552	355275	5.00 500	15.0	20.0	50.0	200
Chlorobenzene	CBZ	Ave	9719 4786644	43197	182022	474596	1815793	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1 Analy Batch No.: 136876

SDG No.: _____

Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/23/2012 06:40 Calibration End Date: 11/23/2012 09:57 Calibration ID: 18955

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Ethylbenzene	CBZ	Ave	4903 2608616	22596	94663	249832	967834	1.00 500	5.00	20.0	50.0	200
m-Xylene & p-Xylene	CBZ	Ave	12040 6487444	56601	239589	626946	2404959	2.00 1000	10.0	40.0	100	400
o-Xylene	CBZ	Ave	6053 3137535	28129	116616	302516	1186345	1.00 500	5.00	20.0	50.0	200
Bromoform	CBZ	Ave	2195 1370199	11402	47727	127409	513232	1.00 500	5.00	20.0	50.0	200
Styrene	CBZ	Ave	10486 5411340	46356	201608	520956	2041830	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBZ	Ave	15525 8119372	71478	302262	790036	3094431	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCB	Ave	3204 1526578	14245	57941	150330	591370	1.00 500	5.00	20.0	50.0	200
1,3-Dichlorobenzene	DCB	Ave	8235 3962580	36133	154429	387567	1542537	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCB	Ave	8981 4083591	37447	158433	394902	1570230	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCB	Ave	7709 3769332	34271	144168	362939	1456706	1.00 500	5.00	20.0	50.0	200
1,2-Dibromo-3-Chloropropane	DCB	Ave	602 328857	2753	11872	29548	121813	1.00 500	5.00	20.0	50.0	200
1,2,4-Trichlorobenzene	DCB	LinF	6504 2139647	22531	97861	225434	857098	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane-d4 (Surr)	FB	Ave	225558 267511	217155	221109	232082	234186	50.0 50.0	50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	637538 677650	597679	610819	649082	640142	50.0 50.0	50.0	50.0	50.0	50.0
4-Bromofluorobenzene	DCB	Ave	258607 278452	248841	253654	260804	267008	50.0 50.0	50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD

LinF = Linear ISTD forced zero

Data File: /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10198.d
 Report Date: 26-Nov-2012 04:48

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10198.d
 Lab Smp Id: ICIS-VMCAL3
 Inj Date : 23-NOV-2012 06:40
 Operator : GC/MS VOAMS5
 Smp Info : ICIS-VMCAL3
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/8260DE_09.m
 Meth Date : 26-Nov-2012 04:48 audberto Quant Type: ISTD
 Cal Date : 23-NOV-2012 06:40 Cal File: e10198.d
 Als bottle: 2 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.955	0.955	(0.265)	59505	20.0000	20
3 Chloromethane	50	1.083	1.083	(0.300)	78616	20.0000	20
4 Vinyl Chloride	62	1.083	1.083	(0.300)	67886	20.0000	20
6 Bromomethane	94	1.230	1.230	(0.341)	46843	20.0000	20
5 Chloroethane	64	1.285	1.285	(0.356)	47616	20.0000	20
7 Trichlorofluoromethane	101	1.345	1.345	(0.373)	117700	20.0000	20
14 Freon TF	101	1.614	1.614	(0.447)	64117	20.0000	20
15 1,1-Dichloroethene	96	1.595	1.595	(0.442)	49065	20.0000	20
16 Acetone	58	1.943	1.943	(0.539)	6942	20.0000	20
18 Carbon Disulfide	76	1.608	1.608	(0.446)	200015	20.0000	20
27 Methyl Acetate	74	2.004	2.004	(0.556)	11550	20.0000	20
22 Methylene Chloride	49	1.900	1.900	(0.527)	79630	20.0000	20
28 MTBE	73	2.059	2.059	(0.571)	220060	20.0000	20
25 trans-1,2-Dichloroethene	96	1.986	1.986	(0.550)	64747	20.0000	20
30 1,1-Dichloroethane	63	2.339	2.339	(0.648)	127535	20.0000	20
36 cis-1,2-Dichloroethene	96	2.675	2.675	(0.741)	64048	20.0000	20

Data File: /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10198.d
Report Date: 26-Nov-2012 04:48

Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====	=====
38 2-Butanone	72		3.095	3.095	(0.858)	10046	20.0000	20
42 Chloroform	83		2.864	2.864	(0.794)	115682	20.0000	20
44 Cyclohexane	56		2.809	2.809	(0.779)	98451	20.0000	20
43 1,1,1-Trichloroethane	97		3.004	3.004	(0.833)	108908	20.0000	20
45 Carbon Tetrachloride	117		2.955	2.955	(0.819)	100715	20.0000	20
48 Benzene	78		3.278	3.278	(0.472)	243761	20.0000	20
\$ 47 1,2-Dichloroethane-d4 (SUR)	65		3.376	3.376	(0.936)	221109	50.0000	50
49 1,2-Dichloroethane	62		3.430	3.430	(0.951)	98153	20.0000	20
* 52 Fluorobenzene	96		3.607	3.607	(1.000)	626428	50.0000	
54 Trichloroethene	95		3.754	3.754	(1.041)	63707	20.0000	20
56 Methyl cyclohexane	83		3.741	3.741	(1.037)	89670	20.0000	20
57 1,2-Dichloropropane	63		4.205	4.205	(1.166)	61079	20.0000	20
68 Bromodichloromethane	83		4.278	4.278	(1.186)	91468	20.0000	20
67 cis-1,3-Dichloropropene	75		4.906	4.906	(0.707)	110335	20.0000	20
70 4-Methyl-2-Pentanone	43		5.625	5.625	(0.810)	53757	20.0000	20
\$ 65 Toluene-d8 (SUR)	98		5.107	5.107	(0.736)	610819	50.0000	50
66 Toluene	91		5.162	5.162	(0.744)	275684	20.0000	20
64 trans-1,3-Dichloropropene	75		5.643	5.643	(0.813)	103030	20.0000	20
69 1,1,2-Trichloroethane	83		5.814	5.814	(0.838)	41580	20.0000	20
71 Tetrachloroethene	166		5.576	5.576	(0.803)	76373	20.0000	20
73 2-Hexanone	43		6.668	6.668	(0.960)	42161	20.0000	20
74 Dibromochloromethane	129		6.009	6.009	(0.866)	70500	20.0000	20
77 1,2-Dibromoethane	107		6.253	6.253	(0.901)	53105	20.0000	20
* 78 Chlorobenzene-d5	117		6.942	6.942	(1.000)	514324	50.0000	
79 Chlorobenzene	112		6.960	6.960	(1.003)	182022	20.0000	20
81 Ethylbenzene	106		7.052	7.052	(1.016)	94663	20.0000	20
82 m+p-Xylene	106		7.265	7.265	(1.047)	239589	40.0000	40
84 o-Xylene	106		7.844	7.844	(1.130)	116616	20.0000	20
85 Styrene	104		7.930	7.930	(1.142)	201608	20.0000	20
86 Bromoform	173		7.899	7.899	(1.138)	47727	20.0000	20
88 Isopropylbenzene	105		8.332	8.332	(1.200)	302262	20.0000	20
\$ 89 Bromofluorobenzene (SUR)	174		8.692	8.692	(0.832)	253654	50.0000	50
92 1,1,2,2-Tetrachloroethane	83		9.094	9.094	(0.870)	57941	20.0000	20
105 1,3-Dichlorobenzene	146		10.307	10.307	(0.987)	154429	20.0000	20
* 108 1,4-Dichlorobenzene-d4	152		10.447	10.447	(1.000)	292647	50.0000	
109 1,4-Dichlorobenzene	146		10.466	10.466	(1.002)	158433	20.0000	20
111 1,2-Dichlorobenzene	146		11.130	11.130	(1.065)	144168	20.0000	20(H)
112 1,2-Dibromo-3-chloropropane	75		12.221	12.221	(1.170)	11872	20.0000	20
114 1,2,4-Trichlorobenzene	180		12.965	12.965	(1.241)	97861	20.0000	20
M 120 1,2-Dichloroethene (Total)	100					128795	40.0000	40
M 121 Xylene (Total)	100					356205	60.0000	60

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: e10198.d

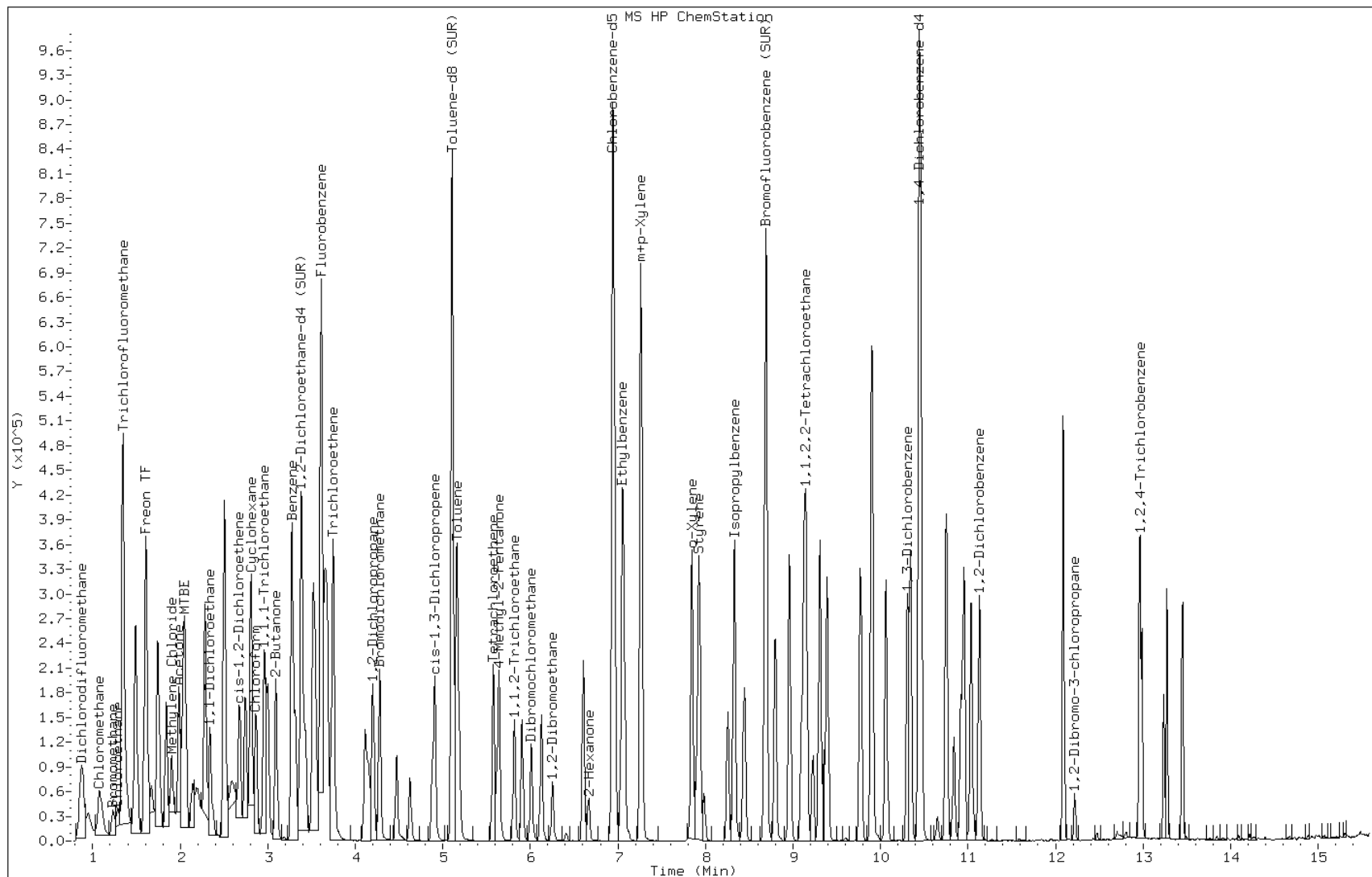
Date: 23-NOV-2012 06:40

Client ID:

Instrument: VOAMS5.i

Sample Info: ICIS-VMCAL3

Operator: GC/MS VOAMS5



Data File: /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10200.d
 Report Date: 26-Nov-2012 04:48

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10200.d
 Lab Smp Id: IC-VMCAL2
 Inj Date : 23-NOV-2012 08:02
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : IC-VMCAL2
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/8260DE_09.m
 Meth Date : 26-Nov-2012 04:48 audberto Quant Type: ISTD
 Cal Date : 23-NOV-2012 06:40 Cal File: e10198.d
 Als bottle: 4 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.961	0.961	(0.266)	15384	5.00000	5.2
3 Chloromethane	50	1.083	1.083	(0.300)	21343	5.00000	5.3
4 Vinyl Chloride	62	1.077	1.077	(0.298)	18139	5.00000	5.2
6 Bromomethane	94	1.230	1.230	(0.340)	13173	5.00000	5.4
5 Chloroethane	64	1.290	1.290	(0.357)	12029	5.00000	5.1
7 Trichlorofluoromethane	101	1.351	1.351	(0.374)	31470	5.00000	5.2
14 Freon TF	101	1.614	1.614	(0.447)	17049	5.00000	5.2
15 1,1-Dichloroethene	96	1.595	1.595	(0.442)	11994	5.00000	5.0
16 Acetone	58	1.937	1.937	(0.536)	3816	15.0000	12
18 Carbon Disulfide	76	1.614	1.614	(0.447)	51634	5.00000	5.2
27 Methyl Acetate	74	2.004	2.004	(0.555)	3327	5.00000	5.8
22 Methylene Chloride	49	1.900	1.900	(0.526)	20076	5.00000	5.1
28 MTBE	73	2.053	2.053	(0.568)	57644	5.00000	5.2
25 trans-1,2-Dichloroethene	96	1.986	1.986	(0.550)	15386	5.00000	4.9
30 1,1-Dichloroethane	63	2.339	2.339	(0.647)	30203	5.00000	4.9
36 cis-1,2-Dichloroethene	96	2.680	2.680	(0.742)	15827	5.00000	5.0

Data File: /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10200.d
 Report Date: 26-Nov-2012 04:48

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.095	3.095	(0.857)	4759	15.0000	11
42 Chloroform	83	2.863	2.863	(0.792)	27477	5.00000	4.9
44 Cyclohexane	56	2.808	2.808	(0.777)	26193	5.00000	5.2
43 1,1,1-Trichloroethane	97	3.004	3.004	(0.831)	26316	5.00000	5.0
45 Carbon Tetrachloride	117	2.955	2.955	(0.818)	23690	5.00000	4.9
48 Benzene	78	3.278	3.278	(0.472)	56283	5.00000	4.8
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.382	3.382	(0.936)	217155	50.0000	50
49 1,2-Dichloroethane	62	3.430	3.430	(0.949)	23427	5.00000	5.0
* 52 Fluorobenzene	96	3.613	3.613	(1.000)	608783	50.0000	
54 Trichloroethene	95	3.753	3.753	(1.039)	16029	5.00000	5.1
56 Methyl cyclohexane	83	3.741	3.741	(1.035)	23924	5.00000	5.2
57 1,2-Dichloropropane	63	4.205	4.205	(1.164)	14166	5.00000	4.9
68 Bromodichloromethane	83	4.278	4.278	(1.184)	21230	5.00000	4.9
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.707)	25633	5.00000	4.8
70 4-Methyl-2-Pentanone	43	5.625	5.625	(0.810)	36807	15.0000	14
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.736)	597679	50.0000	50
66 Toluene	91	5.162	5.162	(0.744)	65133	5.00000	4.9
64 trans-1,3-Dichloropropene	75	5.643	5.643	(0.813)	24124	5.00000	4.9
69 1,1,2-Trichloroethane	83	5.820	5.820	(0.838)	9993	5.00000	4.9
71 Tetrachloroethene	166	5.576	5.576	(0.803)	18427	5.00000	5.0
73 2-Hexanone	43	6.668	6.668	(0.960)	27089	15.0000	14
74 Dibromochloromethane	129	6.009	6.009	(0.866)	16245	5.00000	4.8
77 1,2-Dibromoethane	107	6.253	6.253	(0.901)	12877	5.00000	5.0
* 78 Chlorobenzene-d5	117	6.942	6.942	(1.000)	506056	50.0000	
79 Chlorobenzene	112	6.960	6.960	(1.003)	43197	5.00000	4.9
81 Ethylbenzene	106	7.052	7.052	(1.016)	22596	5.00000	4.9
82 m+p-Xylene	106	7.265	7.265	(1.047)	56601	10.0000	9.8
84 o-Xylene	106	7.844	7.844	(1.130)	28129	5.00000	5.0
85 Styrene	104	7.929	7.929	(1.142)	46356	5.00000	4.8
86 Bromoform	173	7.899	7.899	(1.138)	11402	5.00000	4.9
88 Isopropylbenzene	105	8.332	8.332	(1.200)	71478	5.00000	4.9
\$ 89 Bromofluorobenzene (SUR)	174	8.691	8.691	(0.832)	248841	50.0000	49
92 1,1,2,2-Tetrachloroethane	83	9.094	9.094	(0.870)	14245	5.00000	4.9
105 1,3-Dichlorobenzene	146	10.307	10.307	(0.987)	36133	5.00000	4.8
* 108 1,4-Dichlorobenzene-d4	152	10.447	10.447	(1.000)	295561	50.0000	
109 1,4-Dichlorobenzene	146	10.466	10.466	(1.002)	37447	5.00000	4.8
111 1,2-Dichlorobenzene	146	11.130	11.130	(1.065)	34271	5.00000	4.8
112 1,2-Dibromo-3-chloropropane	75	12.221	12.221	(1.170)	2753	5.00000	4.8
114 1,2,4-Trichlorobenzene	180	12.965	12.965	(1.241)	22531	5.00000	4.6
M 120 1,2-Dichloroethene (Total)	100				31213	10.0000	10
M 121 Xylene (Total)	100				84730	15.0000	15

Data File: e10200.d

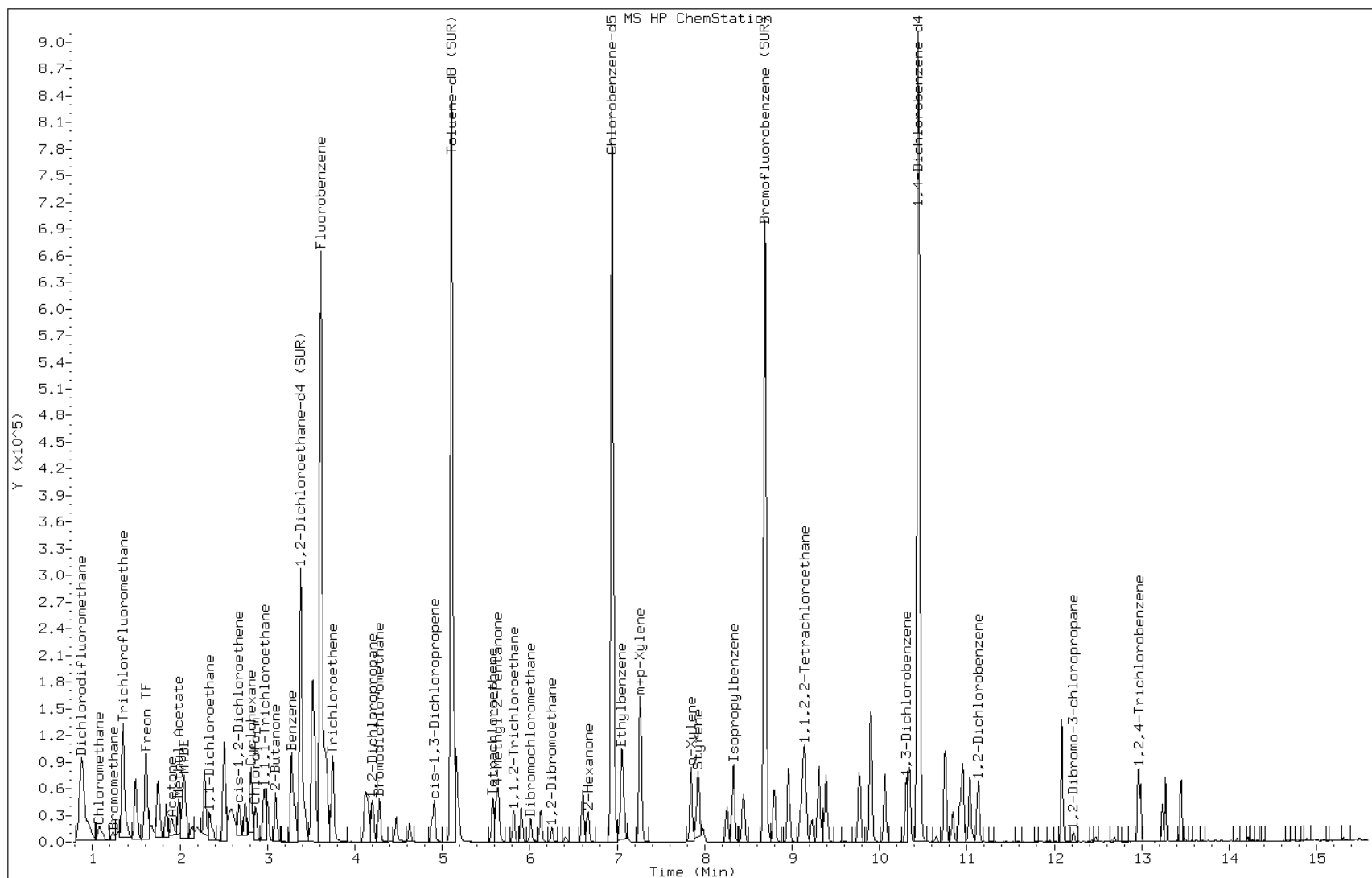
Date: 23-NOV-2012 08:02

Client ID:

Instrument: VOAMS5.i

Sample Info: IC-VMCAL2

Operator: GC/MS VOAMS5



Data File: /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10201.d
 Report Date: 26-Nov-2012 04:48

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10201.d
 Lab Smp Id: IC-VMCAL1
 Inj Date : 23-NOV-2012 08:25
 Operator : GC/MS VOAMS5
 Smp Info : IC-VMCAL1
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/8260DE_09.m
 Meth Date : 26-Nov-2012 04:48 audberto Quant Type: ISTD
 Cal Date : 23-NOV-2012 06:40 Cal File: e10198.d
 Als bottle: 5 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.949	0.949	(0.263)	2209	1.00000	0.78(a)
3 Chloromethane	50	1.089	1.089	(0.302)	3858	1.00000	0.93(a)
4 Vinyl Chloride	62	1.083	1.083	(0.300)	2596	1.00000	0.78(a)
6 Bromomethane	94	1.236	1.236	(0.343)	2303	1.00000	0.92(a)
5 Chloroethane	64	1.284	1.284	(0.356)	1961	1.00000	0.84(a)
7 Trichlorofluoromethane	101	1.345	1.345	(0.373)	5854	1.00000	0.94(a)
14 Freon TF	101	1.607	1.607	(0.446)	3338	1.00000	0.98(a)
15 1,1-Dichloroethene	96	1.589	1.589	(0.441)	2488	1.00000	0.99(a)
16 Acetone	58	1.931	1.931	(0.535)	1549	5.00000	6.2
18 Carbon Disulfide	76	1.607	1.607	(0.446)	10907	1.00000	1.0
27 Methyl Acetate	74	2.004	2.004	(0.556)	652	1.00000	1.1
22 Methylene Chloride	49	1.906	1.906	(0.528)	4954	1.00000	1.1
28 MTBE	73	2.053	2.053	(0.569)	11177	1.00000	0.96(a)
25 trans-1,2-Dichloroethene	96	1.979	1.979	(0.549)	3302	1.00000	1.00
30 1,1-Dichloroethane	63	2.339	2.339	(0.648)	6564	1.00000	1.0
36 cis-1,2-Dichloroethene	96	2.674	2.674	(0.741)	3439	1.00000	1.0

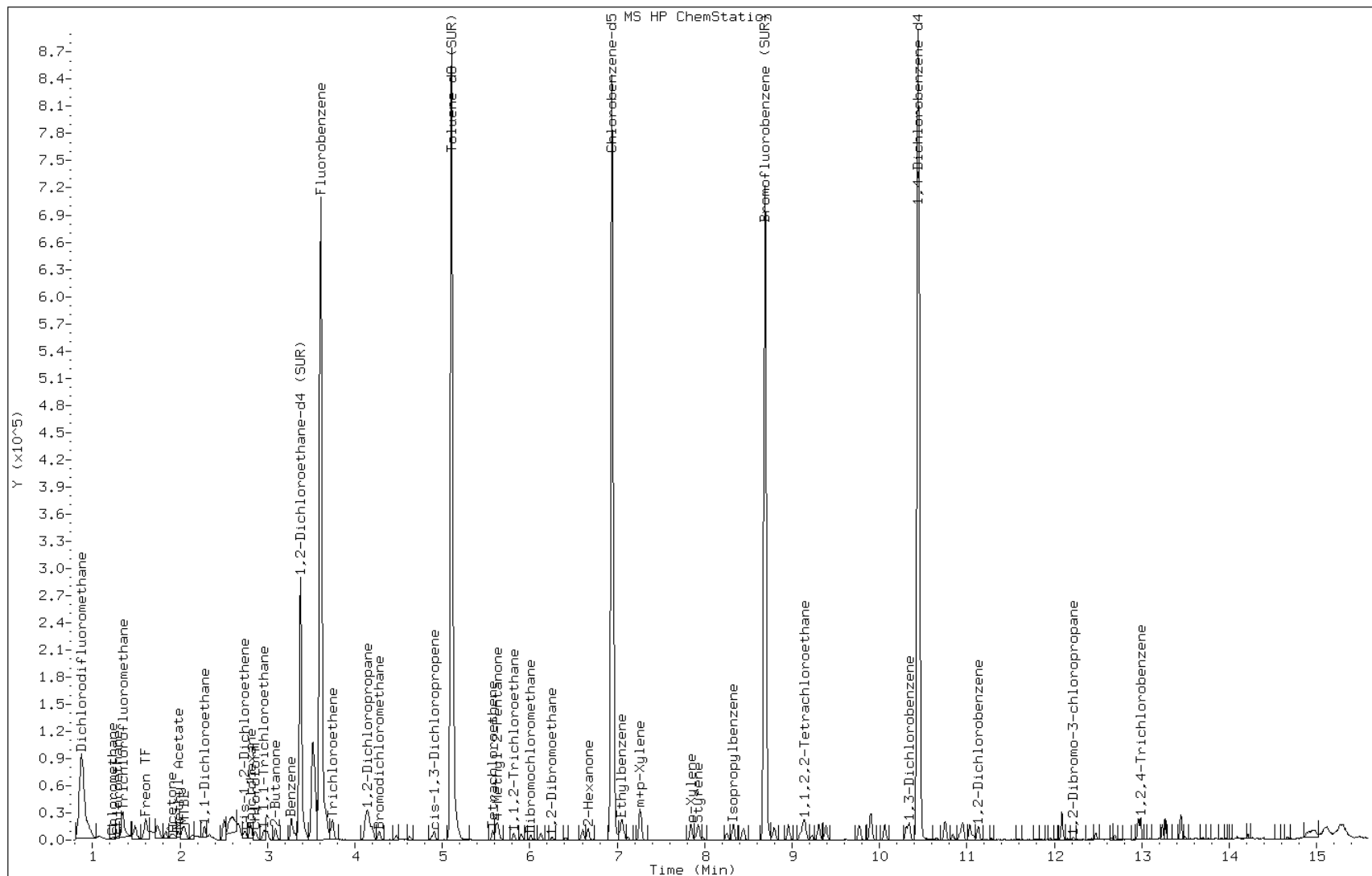
Data File: /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10201.d
Report Date: 26-Nov-2012 04:48

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.095	3.095	(0.858)	1622	5.00000	3.5(a)
42 Chloroform	83	2.863	2.863	(0.794)	6021	1.00000	1.0
44 Cyclohexane	56	2.802	2.802	(0.777)	5408	1.00000	1.0
43 1,1,1-Trichloroethane	97	3.004	3.004	(0.833)	5357	1.00000	0.97(a)
45 Carbon Tetrachloride	117	2.949	2.949	(0.817)	4592	1.00000	0.93(a)
48 Benzene	78	3.278	3.278	(0.472)	12531	1.00000	1.0
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.375	3.375	(0.936)	225558	50.0000	49
49 1,2-Dichloroethane	62	3.430	3.430	(0.951)	5377	1.00000	1.0
* 52 Fluorobenzene	96	3.607	3.607	(1.000)	646236	50.0000	
54 Trichloroethene	95	3.747	3.747	(1.039)	3553	1.00000	1.0
56 Methyl cyclohexane	83	3.735	3.735	(1.035)	5387	1.00000	1.1
57 1,2-Dichloropropane	63	4.198	4.198	(1.164)	3080	1.00000	1.0
68 Bromodichloromethane	83	4.278	4.278	(1.186)	4595	1.00000	1.00
67 cis-1,3-Dichloropropene	75	4.912	4.912	(0.708)	5614	1.00000	1.0
70 4-Methyl-2-Pentanone	43	5.619	5.619	(0.809)	14277	5.00000	5.2
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.736)	637538	50.0000	50
66 Toluene	91	5.156	5.156	(0.743)	14152	1.00000	1.0
64 trans-1,3-Dichloropropene	75	5.643	5.643	(0.813)	5375	1.00000	1.0
69 1,1,2-Trichloroethane	83	5.814	5.814	(0.838)	2456	1.00000	1.1
71 Tetrachloroethene	166	5.576	5.576	(0.803)	3729	1.00000	0.97(a)
73 2-Hexanone	43	6.667	6.667	(0.960)	9816	5.00000	4.9(a)
74 Dibromochloromethane	129	6.009	6.009	(0.866)	3530	1.00000	1.0
77 1,2-Dibromoethane	107	6.253	6.253	(0.901)	2686	1.00000	0.99(a)
* 78 Chlorobenzene-d5	117	6.942	6.942	(1.000)	530366	50.0000	
79 Chlorobenzene	112	6.960	6.960	(1.003)	9719	1.00000	1.0
81 Ethylbenzene	106	7.052	7.052	(1.016)	4903	1.00000	1.0
82 m+p-Xylene	106	7.265	7.265	(1.047)	12040	2.00000	2.0
84 o-Xylene	106	7.838	7.838	(1.129)	6053	1.00000	1.0
85 Styrene	104	7.929	7.929	(1.142)	10486	1.00000	1.0
86 Bromoform	173	7.899	7.899	(1.138)	2195	1.00000	0.93(a)
88 Isopropylbenzene	105	8.326	8.326	(1.199)	15525	1.00000	1.0
\$ 89 Bromofluorobenzene (SUR)	174	8.691	8.691	(0.832)	258607	50.0000	51
92 1,1,2,2-Tetrachloroethane	83	9.100	9.100	(0.871)	3204	1.00000	1.1
105 1,3-Dichlorobenzene	146	10.307	10.307	(0.987)	8235	1.00000	1.0
* 108 1,4-Dichlorobenzene-d4	152	10.447	10.447	(1.000)	297067	50.0000	
109 1,4-Dichlorobenzene	146	10.466	10.466	(1.002)	8981	1.00000	1.1
111 1,2-Dichlorobenzene	146	11.130	11.130	(1.065)	7709	1.00000	1.0
112 1,2-Dibromo-3-chloropropane	75	12.221	12.221	(1.170)	602	1.00000	1.0
114 1,2,4-Trichlorobenzene	180	12.965	12.965	(1.241)	6504	1.00000	1.3
M 120 1,2-Dichloroethene (Total)	100				6741	2.00000	2.0
M 121 Xylene (Total)	100				18093	3.00000	3.0

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Operator: GC/MS VOAMS5



Data File: /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10203.d
 Report Date: 26-Nov-2012 04:48

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10203.d
 Lab Smp Id: IC-VMCAL4
 Inj Date : 23-NOV-2012 09:11
 Operator : GC/MS VOAMS5
 Smp Info : IC-VMCAL4
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/8260DE_09.m
 Meth Date : 26-Nov-2012 04:48 audberto Quant Type: ISTD
 Cal Date : 23-NOV-2012 06:40 Cal File: e10198.d
 Als bottle: 7 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.955	0.955	(0.264)	150822	50.0000	51
3 Chloromethane	50	1.077	1.077	(0.298)	195688	50.0000	47
4 Vinyl Chloride	62	1.077	1.077	(0.298)	176421	50.0000	51
6 Bromomethane	94	1.230	1.230	(0.340)	109626	50.0000	44
5 Chloroethane	64	1.284	1.284	(0.355)	118938	50.0000	50
7 Trichlorofluoromethane	101	1.345	1.345	(0.372)	303396	50.0000	48
14 Freon TF	101	1.614	1.614	(0.447)	164827	50.0000	48
15 1,1-Dichloroethene	96	1.595	1.595	(0.442)	130362	50.0000	50
16 Acetone	58	1.937	1.937	(0.536)	11380	50.0000	48
18 Carbon Disulfide	76	1.608	1.608	(0.445)	517976	50.0000	48
27 Methyl Acetate	74	2.004	2.004	(0.555)	28294	50.0000	49
22 Methylene Chloride	49	1.900	1.900	(0.526)	206185	50.0000	46
28 MTBE	73	2.059	2.059	(0.570)	555014	50.0000	47
25 trans-1,2-Dichloroethene	96	1.986	1.986	(0.550)	168428	50.0000	50
30 1,1-Dichloroethane	63	2.339	2.339	(0.647)	333966	50.0000	50
36 cis-1,2-Dichloroethene	96	2.680	2.680	(0.742)	165876	50.0000	48

Data File: /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10203.d
 Report Date: 26-Nov-2012 04:48

Compounds	QUANT SIG		EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS	RT				CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.095	3.095	(0.857)	24709	50.0000	50
42 Chloroform	83	2.869	2.869	(0.794)	296062	50.0000	49
44 Cyclohexane	56	2.808	2.808	(0.777)	258753	50.0000	48
43 1,1,1-Trichloroethane	97	3.004	3.004	(0.831)	293540	50.0000	51
45 Carbon Tetrachloride	117	2.955	2.955	(0.818)	269303	50.0000	52
48 Benzene	78	3.278	3.278	(0.472)	639330	50.0000	51
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.382	3.382	(0.936)	232082	50.0000	50
49 1,2-Dichloroethane	62	3.430	3.430	(0.949)	259078	50.0000	49
* 52 Fluorobenzene	96	3.613	3.613	(1.000)	664499	50.0000	
54 Trichloroethene	95	3.753	3.753	(1.039)	171805	50.0000	49
56 Methyl cyclohexane	83	3.741	3.741	(1.035)	233713	50.0000	46
57 1,2-Dichloropropane	63	4.205	4.205	(1.164)	160341	50.0000	50
68 Bromodichloromethane	83	4.278	4.278	(1.184)	239751	50.0000	50
67 cis-1,3-Dichloropropene	75	4.912	4.912	(0.708)	288575	50.0000	51
70 4-Methyl-2-Pentanone	43	5.625	5.625	(0.810)	135207	50.0000	49
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.736)	649082	50.0000	50
66 Toluene	91	5.162	5.162	(0.744)	721238	50.0000	50
64 trans-1,3-Dichloropropene	75	5.643	5.643	(0.813)	270647	50.0000	50
69 1,1,2-Trichloroethane	83	5.820	5.820	(0.838)	109749	50.0000	49
71 Tetrachloroethene	166	5.576	5.576	(0.803)	205782	50.0000	52
73 2-Hexanone	43	6.668	6.668	(0.960)	99552	50.0000	49
74 Dibromochloromethane	129	6.015	6.015	(0.866)	184614	50.0000	51
77 1,2-Dibromoethane	107	6.253	6.253	(0.901)	139070	50.0000	50
* 78 Chlorobenzene-d5	117	6.942	6.942	(1.000)	541116	50.0000	
79 Chlorobenzene	112	6.966	6.966	(1.004)	474596	50.0000	50
81 Ethylbenzene	106	7.052	7.052	(1.016)	249832	50.0000	50
82 m+p-Xylene	106	7.265	7.265	(1.047)	626946	100.000	100
84 o-Xylene	106	7.844	7.844	(1.130)	302516	50.0000	50
85 Styrene	104	7.929	7.929	(1.142)	520956	50.0000	50
86 Bromoform	173	7.899	7.899	(1.138)	127409	50.0000	52
88 Isopropylbenzene	105	8.332	8.332	(1.200)	790036	50.0000	50
\$ 89 Bromofluorobenzene (SUR)	174	8.698	8.698	(0.833)	260804	50.0000	49
92 1,1,2,2-Tetrachloroethane	83	9.100	9.100	(0.871)	150330	50.0000	49
105 1,3-Dichlorobenzene	146	10.313	10.313	(0.987)	387567	50.0000	48
* 108 1,4-Dichlorobenzene-d4	152	10.447	10.447	(1.000)	307674	50.0000	
109 1,4-Dichlorobenzene	146	10.472	10.472	(1.002)	394902	50.0000	47
111 1,2-Dichlorobenzene	146	11.136	11.136	(1.066)	362939	50.0000	48
112 1,2-Dibromo-3-chloropropane	75	12.221	12.221	(1.170)	29548	50.0000	49
114 1,2,4-Trichlorobenzene	180	12.965	12.965	(1.241)	225434	50.0000	49
M 120 1,2-Dichloroethene (Total)	100				334304	100.000	98
M 121 Xylene (Total)	100				929462	150.000	150

Data File: e10203.d

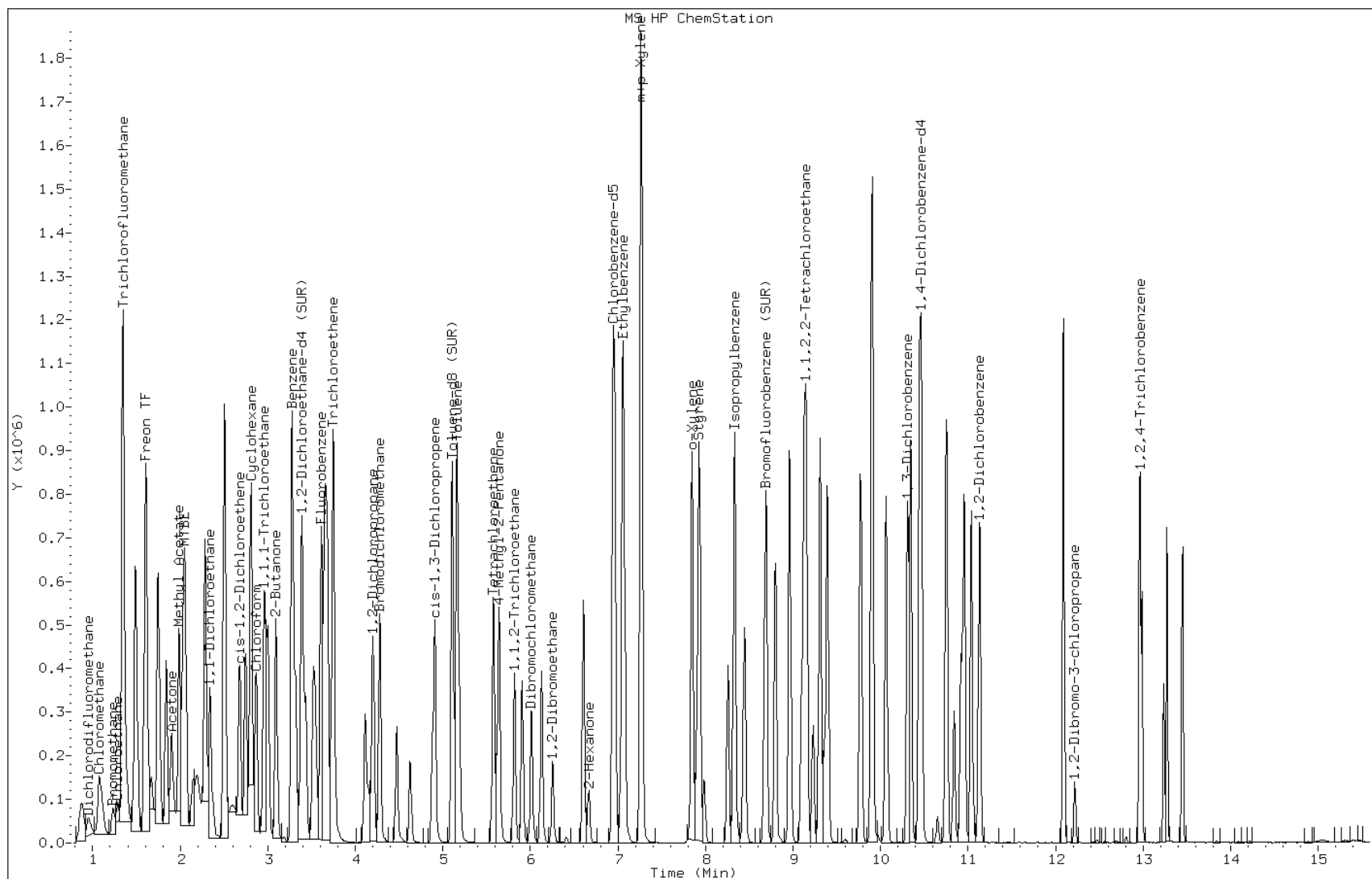
Date: 23-NOV-2012 09:11

Client ID:

Instrument: VOAMS5.i

Sample Info: IC-VMCAL4

Operator: GC/MS VOAMS5



Data File: /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10204.d
 Report Date: 26-Nov-2012 04:48

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10204.d
 Lab Smp Id: IC-VMCAL5
 Inj Date : 23-NOV-2012 09:34
 Operator : GC/MS VOAMS5
 Smp Info : IC-VMCAL5
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/8260DE_09.m
 Meth Date : 26-Nov-2012 04:48 audberto Quant Type: ISTD
 Cal Date : 23-NOV-2012 06:40 Cal File: e10198.d
 Als bottle: 8 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.955	0.955	(0.264)	592809	200.000	200
3 Chloromethane	50	1.083	1.083	(0.300)	723960	200.000	180
4 Vinyl Chloride	62	1.083	1.083	(0.300)	693971	200.000	200
6 Bromomethane	94	1.236	1.236	(0.342)	464879	200.000	190
5 Chloroethane	64	1.284	1.284	(0.355)	467864	200.000	190
7 Trichlorofluoromethane	101	1.352	1.352	(0.374)	1182213	200.000	190
14 Freon TF	101	1.620	1.620	(0.448)	614992	200.000	180
15 1,1-Dichloroethene	96	1.595	1.595	(0.442)	503515	200.000	190
16 Acetone	58	1.943	1.943	(0.538)	47002	200.000	200
18 Carbon Disulfide	76	1.614	1.614	(0.447)	1945537	200.000	180
27 Methyl Acetate	74	2.004	2.004	(0.555)	101845	200.000	200
22 Methylene Chloride	49	1.900	1.900	(0.526)	806252	200.000	180
28 MTBE	73	2.059	2.059	(0.570)	2046122	200.000	180
25 trans-1,2-Dichloroethene	96	1.986	1.986	(0.550)	658243	200.000	190
30 1,1-Dichloroethane	63	2.339	2.339	(0.647)	1287622	200.000	190
36 cis-1,2-Dichloroethene	96	2.681	2.681	(0.742)	638897	200.000	190

Data File: /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10204.d
 Report Date: 26-Nov-2012 04:48

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.101	3.101	(0.858)	92402	200.000	200
42 Chloroform	83	2.870	2.870	(0.794)	1102394	200.000	180
44 Cyclohexane	56	2.815	2.815	(0.779)	968251	200.000	180
43 1,1,1-Trichloroethane	97	3.010	3.010	(0.833)	1149020	200.000	200
45 Carbon Tetrachloride	117	2.961	2.961	(0.819)	1067128	200.000	200
48 Benzene	78	3.284	3.284	(0.473)	2462648	200.000	200
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.388	3.388	(0.938)	234186	50.0000	50
49 1,2-Dichloroethane	62	3.437	3.437	(0.951)	1008533	200.000	190
* 52 Fluorobenzene	96	3.613	3.613	(1.000)	672237	50.0000	
54 Trichloroethene	95	3.760	3.760	(1.040)	672039	200.000	190
56 Methyl cyclohexane	83	3.747	3.747	(1.037)	868089	200.000	180
57 1,2-Dichloropropane	63	4.205	4.205	(1.164)	626665	200.000	200
68 Bromodichloromethane	83	4.284	4.284	(1.186)	931129	200.000	190
67 cis-1,3-Dichloropropene	75	4.918	4.918	(0.708)	1110910	200.000	200
70 4-Methyl-2-Pentanone	43	5.631	5.631	(0.810)	481681	200.000	180
\$ 65 Toluene-d8 (SUR)	98	5.113	5.113	(0.736)	640142	50.0000	50
66 Toluene	91	5.168	5.168	(0.744)	2775230	200.000	200
64 trans-1,3-Dichloropropene	75	5.649	5.649	(0.813)	1027157	200.000	190
69 1,1,2-Trichloroethane	83	5.820	5.820	(0.838)	406584	200.000	180
71 Tetrachloroethene	166	5.582	5.582	(0.803)	784102	200.000	200
73 2-Hexanone	43	6.674	6.674	(0.960)	355275	200.000	180
74 Dibromochloromethane	129	6.021	6.021	(0.867)	712880	200.000	200
77 1,2-Dibromoethane	107	6.259	6.259	(0.901)	518670	200.000	190
* 78 Chlorobenzene-d5	117	6.948	6.948	(1.000)	538153	50.0000	
79 Chlorobenzene	112	6.972	6.972	(1.004)	1815793	200.000	190
81 Ethylbenzene	106	7.064	7.064	(1.017)	967834	200.000	200
82 m+p-Xylene	106	7.277	7.277	(1.047)	2404959	400.000	390
84 o-Xylene	106	7.856	7.856	(1.131)	1186345	200.000	200
85 Styrene	104	7.942	7.942	(1.143)	2041830	200.000	200
86 Bromoform	173	7.911	7.911	(1.139)	513232	200.000	210
88 Isopropylbenzene	105	8.344	8.344	(1.201)	3094431	200.000	200
\$ 89 Bromofluorobenzene (SUR)	174	8.698	8.698	(0.832)	267008	50.0000	50
92 1,1,2,2-Tetrachloroethane	83	9.106	9.106	(0.871)	591370	200.000	190
105 1,3-Dichlorobenzene	146	10.325	10.325	(0.987)	1542537	200.000	190
* 108 1,4-Dichlorobenzene-d4	152	10.460	10.460	(1.000)	312229	50.0000	
109 1,4-Dichlorobenzene	146	10.484	10.484	(1.002)	1570230	200.000	190
111 1,2-Dichlorobenzene	146	11.148	11.148	(1.066)	1456706	200.000	190
112 1,2-Dibromo-3-chloropropane	75	12.221	12.221	(1.168)	121813	200.000	200
114 1,2,4-Trichlorobenzene	180	12.965	12.965	(1.240)	857098	200.000	200
M 120 1,2-Dichloroethene (Total)	100				1297140	400.000	380
M 121 Xylene (Total)	100				3591304	600.000	590

Data File: e10204.d

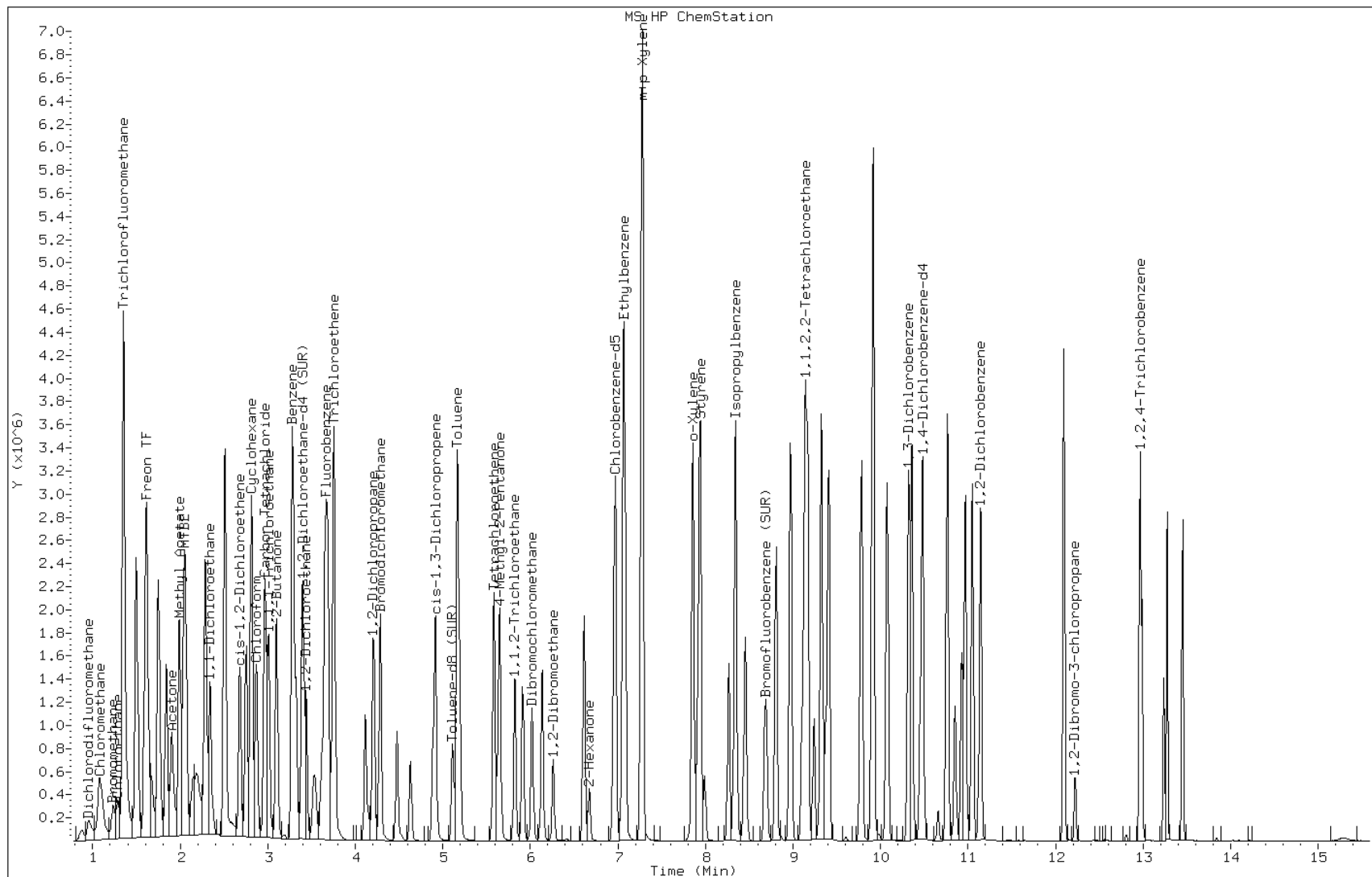
Date: 23-NOV-2012 09:34

Client ID:

Instrument: VOAMS5.i

Sample Info: IC-VMCAL5

Operator: GC/MS VOAMS5



Data File: /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10205.d
 Report Date: 26-Nov-2012 04:48

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10205.d
 Lab Smp Id: IC-VMCAL6
 Inj Date : 23-NOV-2012 09:57
 Operator : GC/MS VOAMS5
 Smp Info : IC-VMCAL6
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/8260DE_09.m
 Meth Date : 26-Nov-2012 04:48 audberto Quant Type: ISTD
 Cal Date : 23-NOV-2012 06:40 Cal File: e10198.d
 Als bottle: 9 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====		=====	=====
2 Dichlorodifluoromethane	85	0.955	0.955	(0.264)	1529949		500.000	470
3 Chloromethane	50	1.083	1.083	(0.299)	1791474		500.000	400
4 Vinyl Chloride	62	1.077	1.077	(0.298)	1716496		500.000	450
6 Bromomethane	94	1.236	1.236	(0.341)	1234807		500.000	460
5 Chloroethane	64	1.285	1.285	(0.355)	1145877		500.000	440
7 Trichlorofluoromethane	101	1.352	1.352	(0.373)	2995458		500.000	440
14 Freon TF	101	1.620	1.620	(0.448)	1820128		500.000	480
15 1,1-Dichloroethene	96	1.602	1.602	(0.442)	1321575		500.000	460
16 Acetone	58	1.943	1.943	(0.537)	143690		500.000	500(A)
18 Carbon Disulfide	76	1.614	1.614	(0.446)	5294950		500.000	450
27 Methyl Acetate	74	2.004	2.004	(0.554)	272420		500.000	500
22 Methylene Chloride	49	1.900	1.900	(0.525)	1859673		500.000	390
28 MTBE	73	2.065	2.065	(0.570)	5518976		500.000	440
25 trans-1,2-Dichloroethene	96	1.992	1.992	(0.550)	1693261		500.000	450
30 1,1-Dichloroethane	63	2.345	2.345	(0.648)	3405621		500.000	460
36 cis-1,2-Dichloroethene	96	2.687	2.687	(0.742)	1764896		500.000	470

Data File: /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10205.d
 Report Date: 26-Nov-2012 04:48

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.107	3.107	(0.858)	273922	500.000	500(A)
42 Chloroform	83	2.876	2.876	(0.794)	3239644	500.000	480
44 Cyclohexane	56	2.821	2.821	(0.779)	2841651	500.000	480
43 1,1,1-Trichloroethane	97	3.016	3.016	(0.833)	3195453	500.000	500
45 Carbon Tetrachloride	117	2.967	2.967	(0.820)	2997873	500.000	510(A)
48 Benzene	78	3.296	3.296	(0.474)	6686732	500.000	500(A)
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.394	3.394	(0.938)	267511	50.0000	51
49 1,2-Dichloroethane	62	3.449	3.449	(0.953)	2771053	500.000	480
* 52 Fluorobenzene	96	3.619	3.619	(1.000)	750291	50.0000	
54 Trichloroethene	95	3.772	3.772	(1.042)	1886389	500.000	480
56 Methyl cyclohexane	83	3.760	3.760	(1.039)	2463526	500.000	450
57 1,2-Dichloropropane	63	4.217	4.217	(1.165)	1661750	500.000	470
68 Bromodichloromethane	83	4.290	4.290	(1.185)	2522969	500.000	480
67 cis-1,3-Dichloropropene	75	4.930	4.930	(0.708)	2946408	500.000	490
70 4-Methyl-2-Pentanone	43	5.650	5.650	(0.812)	1419326	500.000	500
\$ 65 Toluene-d8 (SUR)	98	5.119	5.119	(0.735)	677650	50.0000	50
66 Toluene	91	5.180	5.180	(0.744)	7348759	500.000	490
64 trans-1,3-Dichloropropene	75	5.668	5.668	(0.814)	2774650	500.000	490
69 1,1,2-Trichloroethane	83	5.832	5.832	(0.838)	1101389	500.000	480
71 Tetrachloroethene	166	5.595	5.595	(0.804)	2069414	500.000	490
73 2-Hexanone	43	6.686	6.686	(0.961)	1099298	500.000	520(A)
74 Dibromochloromethane	129	6.034	6.034	(0.867)	1911874	500.000	500(A)
77 1,2-Dibromoethane	107	6.277	6.277	(0.902)	1382608	500.000	480
* 78 Chlorobenzene-d5	117	6.960	6.960	(1.000)	572311	50.0000	
79 Chlorobenzene	112	6.985	6.985	(1.004)	4786644	500.000	480
81 Ethylbenzene	106	7.088	7.088	(1.018)	2608616	500.000	500
82 m+p-Xylene	106	7.308	7.308	(1.050)	6487444	1000.00	1000
84 o-Xylene	106	7.875	7.875	(1.131)	3137535	500.000	490
85 Styrene	104	7.960	7.960	(1.144)	5411340	500.000	490
86 Bromoform	173	7.930	7.930	(1.139)	1370199	500.000	520(A)
88 Isopropylbenzene	105	8.369	8.369	(1.202)	8119372	500.000	490(A)
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.831)	278452	50.0000	50
92 1,1,2,2-Tetrachloroethane	83	9.124	9.124	(0.871)	1526578	500.000	480
105 1,3-Dichlorobenzene	146	10.350	10.350	(0.988)	3962580	500.000	480
* 108 1,4-Dichlorobenzene-d4	152	10.478	10.478	(1.000)	324726	50.0000	
109 1,4-Dichlorobenzene	146	10.508	10.508	(1.003)	4083591	500.000	480
111 1,2-Dichlorobenzene	146	11.173	11.173	(1.066)	3769332	500.000	480
112 1,2-Dibromo-3-chloropropane	75	12.234	12.234	(1.168)	328857	500.000	510(A)
114 1,2,4-Trichlorobenzene	180	12.977	12.977	(1.239)	2139647	500.000	500
M 120 1,2-Dichloroethene (Total)	100				3458157	1000.00	920
M 121 Xylene (Total)	100				9624979	1500.00	1500

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: e10205.d

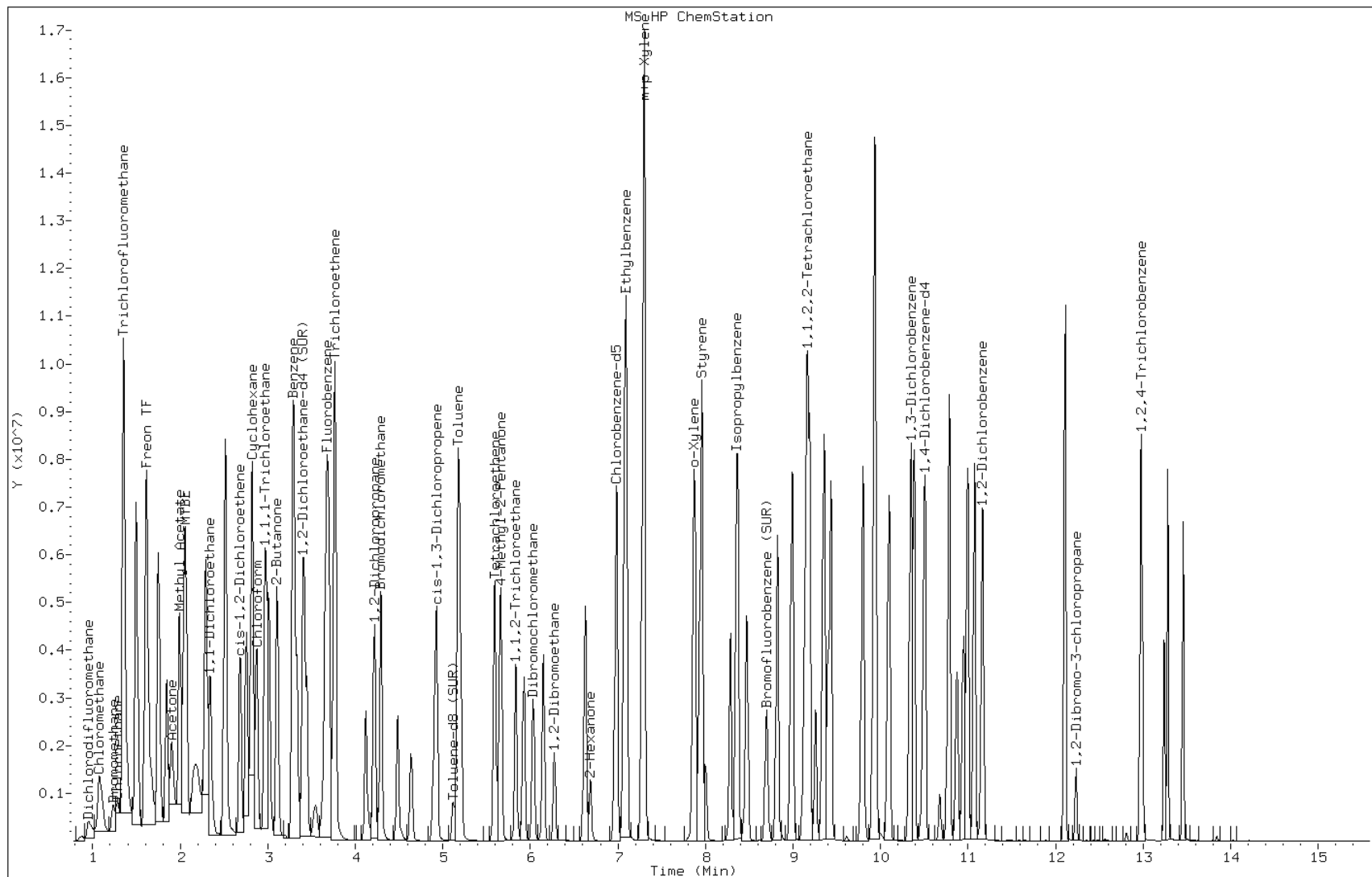
Date: 23-NOV-2012 09:57

Client ID:

Instrument: VOAMS5.i

Sample Info: IC-VMCAL6

Operator: GC/MS VOAMS5



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Lab Sample ID: CCVIS 460-137198/2 Calibration Date: 11/27/2012 19:37

Instrument ID: VOAMS5 Calib Start Date: 11/23/2012 06:40

GC Column: Rtx-VMS ID: 0.18 (mm) Calib End Date: 11/23/2012 09:57

Lab File ID: e10350.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	0.2187	0.1727	0.1000	15.8	20.0	-21.1	25.0
Vinyl chloride	Ave	0.2537	0.2557	0.1000	20.2	20.0	0.8	25.0
Chloromethane	Ave	0.2942	0.3021	0.1000	20.5	20.0	2.7	25.0
Bromomethane	Ave	0.1807	0.1645	0.1000	18.2	20.0	-9.0	25.0
Chloroethane	Ave	0.1742	0.1509	0.1000	17.3	20.0	-13.3	25.0
Trichlorofluoromethane	Ave	0.4558	0.3629	0.1000	15.9	20.0	-20.4	25.0
1,1-Dichloroethene	Ave	0.1908	0.1999	0.1000	21.0	20.0	4.8	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2523	0.1946	0.1000	15.4	20.0	-22.9	25.0
Carbon disulfide	Ave	0.7832	0.7092	0.1000	18.1	20.0	-9.4	25.0
Methylene Chloride	Ave	0.3148	0.3464	0.1000	22.0	20.0	10.0	25.0
Acetone	LinF	0.0211	0.0260*	0.1000	27.5	20.0	37.4*	25.0
trans-1,2-Dichloroethene	Ave	0.2484	0.2625	0.1000	21.1	20.0	5.7	25.0
Methyl acetate	LinF	0.0447	0.0450*	0.1000	24.6	20.0	22.9	25.0
Methyl tert-butyl ether	Ave	0.8369	0.8435	0.1000	20.2	20.0	0.8	25.0
1,1-Dichloroethane	Ave	0.4914	0.5368	0.1000	21.8	20.0	9.2	25.0
cis-1,2-Dichloroethene	Ave	0.2507	0.2752	0.1000	22.0	20.0	9.8	25.0
Cyclohexane	Ave	0.3950	0.3111	0.1000	15.8	20.0	-21.2	25.0
Chloroform	Ave	0.4444	0.4797	0.1000	21.6	20.0	7.9	25.0
Carbon tetrachloride	Ave	0.3913	0.3955	0.1000	20.2	20.0	1.1	25.0
1,1,1-Trichloroethane	Ave	0.4294	0.4498	0.1000	21.0	20.0	4.8	25.0
2-Butanone (MEK)	LinF	0.0332	0.0418*	0.1000	23.1	20.0	15.3	25.0
Benzene	Ave	1.162	1.196	0.1000	20.6	20.0	2.9	25.0
1,2-Dichloroethane	Ave	0.3878	0.4049	0.1000	20.9	20.0	4.4	25.0
Methylcyclohexane	Ave	0.3618	0.2361	0.1000	13.1	20.0	-34.7*	25.0
Trichloroethene	Ave	0.2587	0.2669	0.1000	20.6	20.0	3.2	25.0
1,2-Dichloropropane	Ave	0.2351	0.2702	0.1000	23.0	20.0	14.9	25.0
Dichlorobromomethane	Ave	0.3521	0.3745	0.1000	21.3	20.0	6.3	25.0
cis-1,3-Dichloropropene	Ave	0.5227	0.5240	0.1000	20.0	20.0	0.2	25.0
Toluene	Ave	1.311	1.293	0.1000	19.7	20.0	-1.4	25.0
Tetrachloroethene	Ave	0.3655	0.3414	0.1000	18.7	20.0	-6.6	25.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2491	0.2740	0.1000	22.0	20.0	10.0	25.0
trans-1,3-Dichloropropene	Ave	0.4911	0.4810	0.1000	19.6	20.0	-2.1	25.0
1,1,2-Trichloroethane	Ave	0.2025	0.2146	0.1000	21.2	20.0	6.0	25.0
Chlorodibromomethane	Ave	0.3338	0.3119	0.1000	18.7	20.0	-6.6	25.0
1,2-Dibromoethane	Ave	0.2509	0.2521	0.1000	20.1	20.0	0.5	25.0
2-Hexanone	Ave	0.1849	0.1954	0.1000	21.1	20.0	5.7	25.0
Chlorobenzene	Ave	0.8686	0.8461	0.1000	19.5	20.0	-2.6	25.0
Ethylbenzene	Ave	0.4560	0.4418	0.1000	19.4	20.0	-3.1	25.0
m-Xylene & p-Xylene	Ave	0.5690	0.5443	0.1000	38.3	40.0	-4.3	25.0
o-Xylene	Ave	0.5586	0.5283	0.1000	18.9	20.0	-5.4	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-137198/2 Calibration Date: 11/27/2012 19:37
 Instrument ID: VOAMS5 Calib Start Date: 11/23/2012 06:40
 GC Column: Rtx-VMS ID: 0.18 (mm) Calib End Date: 11/23/2012 09:57
 Lab File ID: e10350.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
Bromoform	Ave	0.2296	0.2098	0.1000	18.3	20.0	-8.6	25.0
Styrene	Ave	0.9569	0.9238	0.1000	19.3	20.0	-3.5	25.0
Isopropylbenzene	Ave	1.444	1.304	0.1000	18.1	20.0	-9.7	25.0
1,1,2,2-Tetrachloroethane	Ave	0.4914	0.4973	0.1000	20.2	20.0	1.2	25.0
1,3-Dichlorobenzene	Ave	1.274	1.184	0.1000	18.6	20.0	-7.0	25.0
1,4-Dichlorobenzene	Ave	1.322	1.209	0.1000	18.3	20.0	-8.6	25.0
1,2-Dichlorobenzene	Ave	1.199	1.112	0.1000	18.5	20.0	-7.3	25.0
1,2-Dibromo-3-Chloropropane	Ave	0.0985	0.0913*	0.1000	18.5	20.0	-7.3	25.0
1,2,4-Trichlorobenzene	LinF	0.7952	0.6166	0.1000	18.6	20.0	-7.1	25.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3521	0.3693	0.1000	52.4	50.0	4.9	25.0
Toluene-d8 (Surr)	Ave	1.191	1.174	0.1000	49.3	50.0	-1.4	25.0
4-Bromofluorobenzene	Ave	0.8566	0.8307	0.1000	48.5	50.0	-3.0	25.0

Data File: /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10350.d
 Report Date: 27-Nov-2012 21:02

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10350.d
 Lab Smp Id: CCVIS
 Inj Date : 27-NOV-2012 19:37
 Operator : GC/MS VOAMS5
 Smp Info : CCVIS
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/8260DE_09.m
 Meth Date : 27-Nov-2012 21:02 martinez
 Cal Date : 27-NOV-2012 19:37
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2

Inst ID: VOAMS5.i

Quant Type: ISTD

Cal File: e10350.d

Continuing Calibration Sample

Compound Sublist: HSLDEL.sub

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.955	0.955	(0.265)	50638	20.0000	16
3 Chloromethane	50	1.083	1.083	(0.300)	88592	20.0000	20
4 Vinyl Chloride	62	1.077	1.077	(0.299)	74998	20.0000	20
6 Bromomethane	94	1.229	1.229	(0.341)	48234	20.0000	18
5 Chloroethane	64	1.284	1.284	(0.356)	44263	20.0000	17
7 Trichlorofluoromethane	101	1.345	1.345	(0.373)	106412	20.0000	16
14 Freon TF	101	1.607	1.607	(0.446)	57074	20.0000	15
15 1,1-Dichloroethene	96	1.595	1.595	(0.442)	58635	20.0000	21
16 Acetone	58	1.937	1.937	(0.537)	7633	20.0000	27
18 Carbon Disulfide	76	1.607	1.607	(0.446)	207984	20.0000	18
27 Methyl Acetate	74	1.998	1.998	(0.554)	13198	20.0000	24
22 Methylene Chloride	49	1.894	1.894	(0.525)	101589	20.0000	22
28 MTBE	73	2.052	2.052	(0.569)	247381	20.0000	20
25 trans-1,2-Dichloroethene	96	1.979	1.979	(0.549)	76976	20.0000	21
30 1,1-Dichloroethane	63	2.333	2.333	(0.647)	157422	20.0000	22
36 cis-1,2-Dichloroethene	96	2.674	2.674	(0.741)	80716	20.0000	22

Data File: /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10350.d
 Report Date: 27-Nov-2012 21:02

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.089	3.089	(0.856)	12255	20.0000	23
42 Chloroform	83	2.863	2.863	(0.794)	140673	20.0000	22
44 Cyclohexane	56	2.802	2.802	(0.777)	91222	20.0000	16
43 1,1,1-Trichloroethane	97	2.997	2.997	(0.831)	131913	20.0000	21
45 Carbon Tetrachloride	117	2.955	2.955	(0.819)	115988	20.0000	20
48 Benzene	78	3.272	3.272	(0.471)	310090	20.0000	20
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.375	3.375	(0.936)	270756	50.0000	52
49 1,2-Dichloroethane	62	3.430	3.430	(0.951)	118731	20.0000	21
* 52 Fluorobenzene	96	3.607	3.607	(1.000)	733174	50.0000	
54 Trichloroethene	95	3.747	3.747	(1.039)	78274	20.0000	21
56 Methyl cyclohexane	83	3.735	3.735	(1.035)	69227	20.0000	13
57 1,2-Dichloropropane	63	4.198	4.198	(1.164)	79229	20.0000	23
68 Bromodichloromethane	83	4.278	4.278	(1.186)	109816	20.0000	21
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.707)	135843	20.0000	20
70 4-Methyl-2-Pentanone	43	5.619	5.619	(0.809)	71047	20.0000	22
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.736)	760849	50.0000	49
66 Toluene	91	5.156	5.156	(0.743)	335308	20.0000	20
64 trans-1,3-Dichloropropene	75	5.643	5.643	(0.813)	124687	20.0000	20
69 1,1,2-Trichloroethane	83	5.814	5.814	(0.838)	55636	20.0000	21
71 Tetrachloroethene	166	5.576	5.576	(0.803)	88518	20.0000	19
73 2-Hexanone	43	6.667	6.667	(0.960)	50664	20.0000	21
74 Dibromochloromethane	129	6.009	6.009	(0.866)	80863	20.0000	19
77 1,2-Dibromoethane	107	6.253	6.253	(0.901)	65352	20.0000	20
* 78 Chlorobenzene-d5	117	6.942	6.942	(1.000)	648135	50.0000	
79 Chlorobenzene	112	6.960	6.960	(1.003)	219349	20.0000	19
81 Ethylbenzene	106	7.051	7.051	(1.016)	114545	20.0000	19
82 m+p-Xylene	106	7.265	7.265	(1.047)	282205	40.0000	38
84 o-Xylene	106	7.844	7.844	(1.130)	136966	20.0000	19
85 Styrene	104	7.929	7.929	(1.142)	239490	20.0000	19
86 Bromoform	173	7.899	7.899	(1.138)	54402	20.0000	18
88 Isopropylbenzene	105	8.332	8.332	(1.200)	338103	20.0000	18
\$ 89 Bromofluorobenzene (SUR)	174	8.691	8.691	(0.832)	297765	50.0000	48
92 1,1,2,2-Tetrachloroethane	83	9.094	9.094	(0.870)	71297	20.0000	20
105 1,3-Dichlorobenzene	146	10.307	10.307	(0.987)	169821	20.0000	18
* 108 1,4-Dichlorobenzene-d4	152	10.447	10.447	(1.000)	358440	50.0000	
109 1,4-Dichlorobenzene	146	10.465	10.465	(1.002)	173285	20.0000	18
111 1,2-Dichlorobenzene	146	11.130	11.130	(1.065)	159366	20.0000	18
112 1,2-Dibromo-3-chloropropane	75	12.221	12.221	(1.170)	13089	20.0000	18
114 1,2,4-Trichlorobenzene	180	12.959	12.959	(1.240)	88412	20.0000	18
M 120 1,2-Dichloroethene (Total)	100				157692	40.0000	43
M 121 Xylene (Total)	100				419171	60.0000	57

Data File: e10350.d

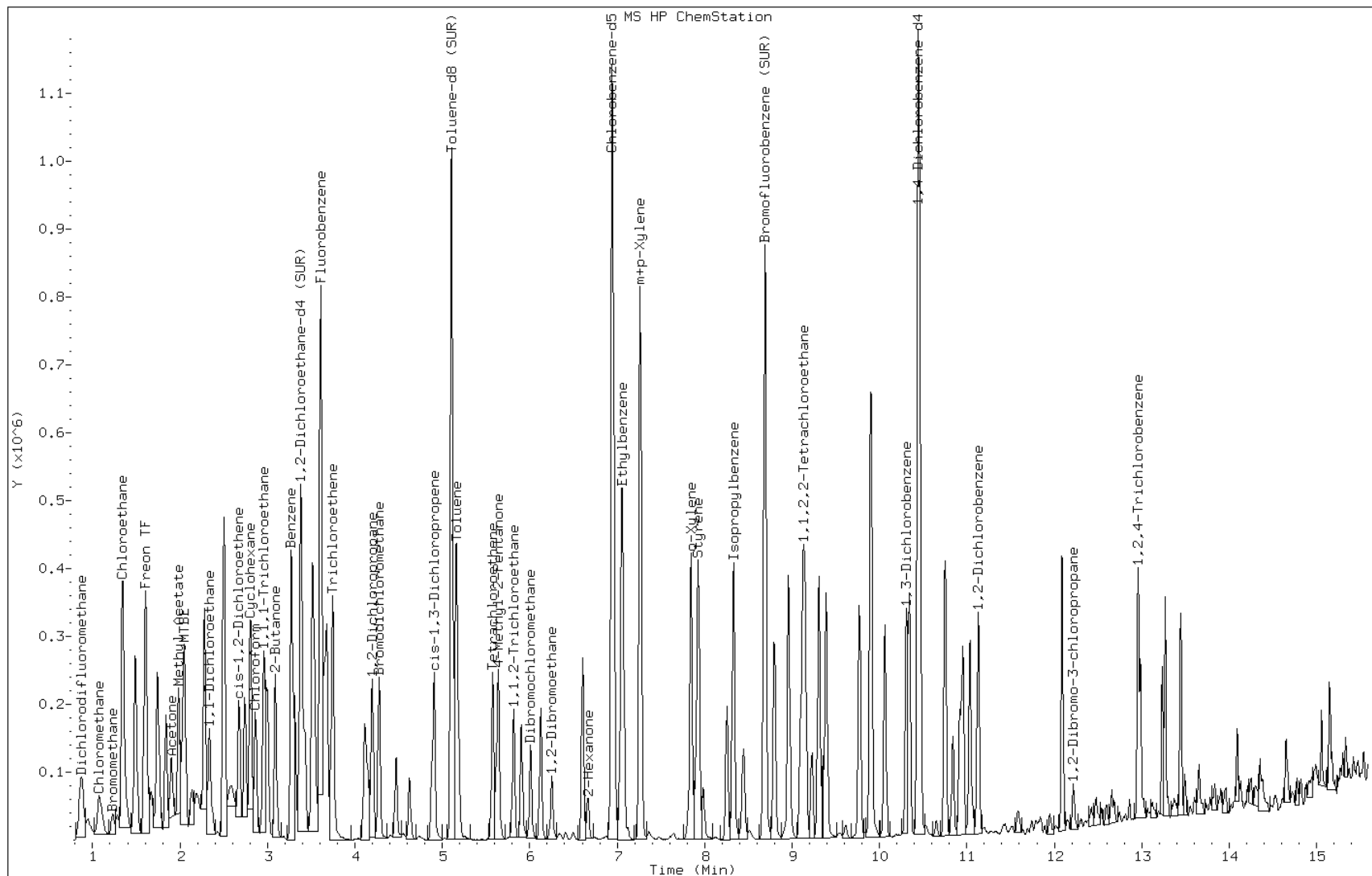
Date: 27-NOV-2012 19:37

Client ID:

Instrument: VOAMS5.i

Sample Info: CCVIS

Operator: GC/MS VOAMS5



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Lab Sample ID: CCV 460-137198/7 Calibration Date: 11/28/2012 01:13

Instrument ID: VOAMS5 Calib Start Date: 11/23/2012 06:40

GC Column: Rtx-VMS ID: 0.18 (mm) Calib End Date: 11/23/2012 09:57

Lab File ID: e10362.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	0.2187	0.1998	0.1000	18.3	20.0	-8.7	25.0
Chloromethane	Ave	0.2942	0.3367	0.1000	22.9	20.0	14.4	25.0
Vinyl chloride	Ave	0.2537	0.2821	0.1000	22.2	20.0	11.2	25.0
Bromomethane	Ave	0.1807	0.1799	0.1000	19.9	20.0	-0.4	25.0
Chloroethane	Ave	0.1742	0.1715	0.1000	19.7	20.0	-1.6	25.0
Trichlorofluoromethane	Ave	0.4558	0.4026	0.1000	17.7	20.0	-11.7	25.0
1,1-Dichloroethene	Ave	0.1908	0.2076	0.1000	21.8	20.0	8.8	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2523	0.2584	0.1000	20.5	20.0	2.4	25.0
Carbon disulfide	Ave	0.7832	0.8315	0.1000	21.2	20.0	6.2	25.0
Methylene Chloride	Ave	0.3148	0.3614	0.1000	23.0	20.0	14.8	25.0
Acetone	LinF	0.0211	0.0234*	0.1000	24.7	20.0	23.6	25.0
trans-1,2-Dichloroethene	Ave	0.2484	0.2730	0.1000	22.0	20.0	9.9	25.0
Methyl acetate	LinF	0.0447	0.0533*	0.1000	29.1	20.0	45.6*	25.0
Methyl tert-butyl ether	Ave	0.8369	0.9604	0.1000	23.0	20.0	14.8	25.0
1,1-Dichloroethane	Ave	0.4914	0.5514	0.1000	22.4	20.0	12.2	25.0
cis-1,2-Dichloroethene	Ave	0.2507	0.2738	0.1000	21.8	20.0	9.2	25.0
Cyclohexane	Ave	0.3950	0.4197	0.1000	21.3	20.0	6.3	25.0
Chloroform	Ave	0.4444	0.4904	0.1000	22.1	20.0	10.4	25.0
Carbon tetrachloride	Ave	0.3913	0.4136	0.1000	21.1	20.0	5.7	25.0
1,1,1-Trichloroethane	Ave	0.4294	0.4585	0.1000	21.4	20.0	6.8	25.0
2-Butanone (MEK)	LinF	0.0332	0.0446*	0.1000	24.6	20.0	23.1	25.0
Benzene	Ave	1.162	1.197	0.1000	20.6	20.0	3.0	25.0
1,2-Dichloroethane	Ave	0.3878	0.4274	0.1000	22.0	20.0	10.2	25.0
Methylcyclohexane	Ave	0.3618	0.3472	0.1000	19.2	20.0	-4.0	25.0
Trichloroethene	Ave	0.2587	0.2740	0.1000	21.2	20.0	5.9	25.0
1,2-Dichloropropane	Ave	0.2351	0.2798	0.1000	23.8	20.0	19.0	25.0
Dichlorobromomethane	Ave	0.3521	0.3904	0.1000	22.2	20.0	10.9	25.0
cis-1,3-Dichloropropene	Ave	0.5227	0.5356	0.1000	20.5	20.0	2.5	25.0
Toluene	Ave	1.311	1.305	0.1000	19.9	20.0	-0.5	25.0
Tetrachloroethene	Ave	0.3655	0.3524	0.1000	19.3	20.0	-3.6	25.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2491	0.3032	0.1000	24.3	20.0	21.7	25.0
trans-1,3-Dichloropropene	Ave	0.4911	0.4878	0.1000	19.9	20.0	-0.7	25.0
1,1,2-Trichloroethane	Ave	0.2025	0.2186	0.1000	21.6	20.0	7.9	25.0
Chlorodibromomethane	Ave	0.3338	0.3277	0.1000	19.6	20.0	-1.8	25.0
1,2-Dibromoethane	Ave	0.2509	0.2638	0.1000	21.0	20.0	5.1	25.0
2-Hexanone	Ave	0.1849	0.2117	0.1000	22.9	20.0	14.5	25.0
Chlorobenzene	Ave	0.8686	0.8574	0.1000	19.7	20.0	-1.3	25.0
Ethylbenzene	Ave	0.4560	0.4506	0.1000	19.8	20.0	-1.2	25.0
m-Xylene & p-Xylene	Ave	0.5690	0.5636	0.1000	39.6	40.0	-0.9	25.0
o-Xylene	Ave	0.5586	0.5512	0.1000	19.7	20.0	-1.3	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Lab Sample ID: CCV 460-137198/7 Calibration Date: 11/28/2012 01:13
 Instrument ID: VOAMS5 Calib Start Date: 11/23/2012 06:40
 GC Column: Rtx-VMS ID: 0.18 (mm) Calib End Date: 11/23/2012 09:57
 Lab File ID: e10362.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
Bromoform	Ave	0.2296	0.2260	0.1000	19.7	20.0	-1.6	25.0
Styrene	Ave	0.9569	0.9507	0.1000	19.9	20.0	-0.6	25.0
Isopropylbenzene	Ave	1.444	1.381	0.1000	19.1	20.0	-4.4	25.0
1,1,2,2-Tetrachloroethane	Ave	0.4914	0.5128	0.1000	20.9	20.0	4.4	25.0
1,3-Dichlorobenzene	Ave	1.274	1.223	0.1000	19.2	20.0	-4.0	25.0
1,4-Dichlorobenzene	Ave	1.322	1.262	0.1000	19.1	20.0	-4.5	25.0
1,2-Dichlorobenzene	Ave	1.199	1.171	0.1000	19.5	20.0	-2.4	25.0
1,2-Dibromo-3-Chloropropane	Ave	0.0985	0.1033	0.1000	21.0	20.0	4.9	25.0
1,2,4-Trichlorobenzene	LinF	0.7952	0.7290	0.1000	22.0	20.0	9.8	25.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3521	0.3764	0.1000	53.4	50.0	6.9	25.0
Toluene-d8 (Surr)	Ave	1.191	1.160	0.1000	48.7	50.0	-2.6	25.0
4-Bromofluorobenzene	Ave	0.8566	0.8125	0.1000	47.4	50.0	-5.1	25.0

Data File: /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10362.d
 Report Date: 28-Nov-2012 08:09

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10362.d
 Lab Smp Id: CCV
 Inj Date : 28-NOV-2012 01:13
 Operator : GC/MS VOAMS5
 Smp Info : CCV
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/8260DE_09.m
 Meth Date : 28-Nov-2012 08:09 desais
 Cal Date : 28-NOV-2012 01:13
 Als bottle: 13
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2

Inst ID: VOAMS5.i
 Quant Type: ISTD
 Cal File: e10362.d
 Continuing Calibration Sample
 Compound Sublist: HSLDEL.sub

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.955	0.955	(0.265)	54294	20.0000	18
3 Chloromethane	50	1.077	1.077	(0.299)	91475	20.0000	23
4 Vinyl Chloride	62	1.077	1.077	(0.299)	76644	20.0000	22
6 Bromomethane	94	1.230	1.230	(0.341)	48879	20.0000	20
5 Chloroethane	64	1.284	1.284	(0.356)	46589	20.0000	20
7 Trichlorofluoromethane	101	1.345	1.345	(0.373)	109401	20.0000	18
14 Freon TF	101	1.608	1.608	(0.446)	70201	20.0000	20
15 1,1-Dichloroethene	96	1.595	1.595	(0.442)	56406	20.0000	22
16 Acetone	58	1.937	1.937	(0.537)	6359	20.0000	25
18 Carbon Disulfide	76	1.608	1.608	(0.446)	225936	20.0000	21
27 Methyl Acetate	74	2.004	2.004	(0.556)	14488	20.0000	29
22 Methylene Chloride	49	1.900	1.900	(0.527)	98199	20.0000	23
28 MTBE	73	2.053	2.053	(0.569)	260969	20.0000	23
25 trans-1,2-Dichloroethene	96	1.986	1.986	(0.550)	74189	20.0000	22
30 1,1-Dichloroethane	63	2.339	2.339	(0.648)	149818	20.0000	22
36 cis-1,2-Dichloroethene	96	2.674	2.674	(0.741)	74391	20.0000	22

Data File: /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10362.d
 Report Date: 28-Nov-2012 08:09

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.095	3.095	(0.858)	12122	20.0000	25
42 Chloroform	83	2.863	2.863	(0.794)	133252	20.0000	22
44 Cyclohexane	56	2.809	2.809	(0.779)	114046	20.0000	21
43 1,1,1-Trichloroethane	97	2.998	2.998	(0.831)	124588	20.0000	21
45 Carbon Tetrachloride	117	2.955	2.955	(0.819)	112384	20.0000	21
48 Benzene	78	3.278	3.278	(0.472)	294038	20.0000	20
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.376	3.376	(0.936)	255681	50.0000	53
49 1,2-Dichloroethane	62	3.430	3.430	(0.951)	116126	20.0000	22
* 52 Fluorobenzene	96	3.607	3.607	(1.000)	679294	50.0000	
54 Trichloroethene	95	3.747	3.747	(1.039)	74454	20.0000	21
56 Methyl cyclohexane	83	3.741	3.741	(1.037)	94327	20.0000	19
57 1,2-Dichloropropane	63	4.199	4.199	(1.164)	76022	20.0000	24
68 Bromodichloromethane	83	4.278	4.278	(1.186)	106087	20.0000	22
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.707)	131571	20.0000	20
70 4-Methyl-2-Pentanone	43	5.619	5.619	(0.809)	74494	20.0000	24
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.736)	712458	50.0000	49
66 Toluene	91	5.162	5.162	(0.744)	320494	20.0000	20
64 trans-1,3-Dichloropropene	75	5.643	5.643	(0.813)	119827	20.0000	20
69 1,1,2-Trichloroethane	83	5.820	5.820	(0.838)	53710	20.0000	22
71 Tetrachloroethene	166	5.576	5.576	(0.803)	86581	20.0000	19
73 2-Hexanone	43	6.668	6.668	(0.960)	52001	20.0000	23
74 Dibromochloromethane	129	6.009	6.009	(0.866)	80512	20.0000	20
77 1,2-Dibromoethane	107	6.253	6.253	(0.901)	64797	20.0000	21
* 78 Chlorobenzene-d5	117	6.942	6.942	(1.000)	614179	50.0000	
79 Chlorobenzene	112	6.960	6.960	(1.003)	210633	20.0000	20
81 Ethylbenzene	106	7.052	7.052	(1.016)	110698	20.0000	20
82 m+p-Xylene	106	7.265	7.265	(1.047)	276932	40.0000	40
84 o-Xylene	106	7.844	7.844	(1.130)	135401	20.0000	20
85 Styrene	104	7.930	7.930	(1.142)	233570	20.0000	20
86 Bromoform	173	7.899	7.899	(1.138)	55515	20.0000	20
88 Isopropylbenzene	105	8.332	8.332	(1.200)	339154	20.0000	19
\$ 89 Bromofluorobenzene (SUR)	174	8.692	8.692	(0.832)	286148	50.0000	47
92 1,1,2,2-Tetrachloroethane	83	9.094	9.094	(0.870)	72230	20.0000	21
105 1,3-Dichlorobenzene	146	10.307	10.307	(0.987)	172312	20.0000	19
* 108 1,4-Dichlorobenzene-d4	152	10.447	10.447	(1.000)	352138	50.0000	
109 1,4-Dichlorobenzene	146	10.466	10.466	(1.002)	177719	20.0000	19
111 1,2-Dichlorobenzene	146	11.130	11.130	(1.065)	164925	20.0000	20
112 1,2-Dibromo-3-chloropropane	75	12.221	12.221	(1.170)	14550	20.0000	21
114 1,2,4-Trichlorobenzene	180	12.959	12.959	(1.240)	102689	20.0000	22
M 120 1,2-Dichloroethene (Total)	100				148581	40.0000	44
M 121 Xylene (Total)	100				412334	60.0000	59

Data File: e10362.d

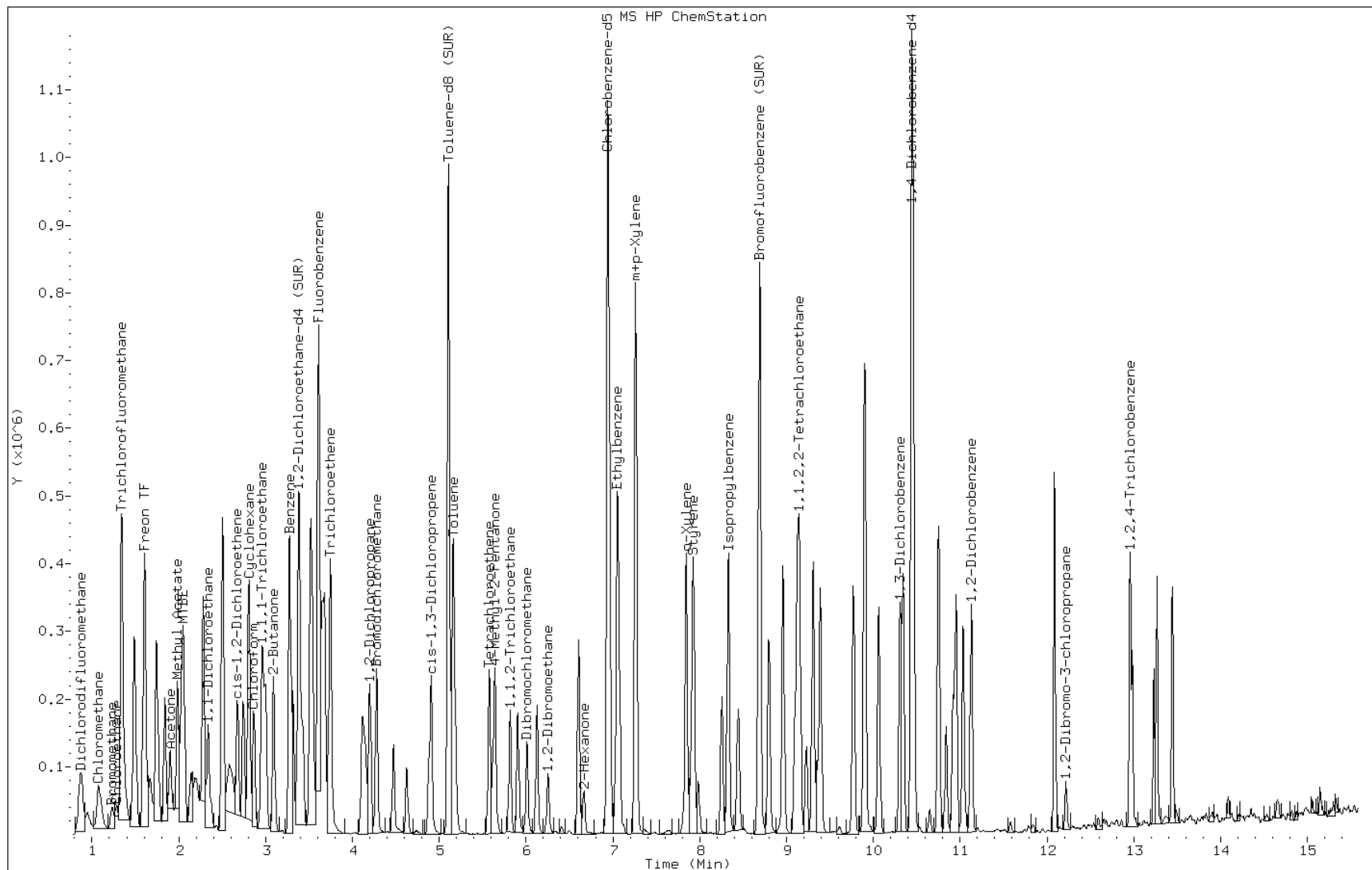
Date: 28-NOV-2012 01:13

Client ID:

Instrument: VOAMS5.i

Sample Info: CCV

Operator: GC/MS VOAMS5



Data File: /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10196.d
 Report Date: 26-Nov-2012 04:26

TestAmerica

Data file : /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10196.d
 Lab Smp Id: BFB
 Inj Date : 23-NOV-2012 06:04
 Operator : VOAMS 1 Inst ID: VOAMS5.i
 Smp Info : BFB
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/BFBDEL.m
 Meth Date : 27-Feb-2012 15:08 sylvanus Quant Type: ISTD
 Cal Date : Cal File:
 Als bottle: 2 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: WATER
 Processing Host: hpd2

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS							
RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS		TARGET RANGE	RATIO
				ON-COL	FINAL		
			(ug/L)	(ug/L)			
==	=====	=====	=====	=====	=====	=====	=====
1 BFB					CAS #: 460-00-4		
2.352	2.600 (0.000)	95	61848			0.00- 100.00	100.00
2.352	2.600 (0.000)	50	12073			15.00- 40.00	19.52
2.352	2.600 (0.000)	75	33960			30.00- 60.00	54.91
2.352	2.600 (0.000)	96	4157			5.00- 9.00	6.72
2.352	2.600 (0.000)	173	0			0.00- 2.00	0.00
2.352	2.600 (0.000)	174	60384			50.00- 100.00	97.63
2.352	2.600 (0.000)	175	4817			5.00- 9.00	7.98
2.352	2.600 (0.000)	176	59800			95.00- 101.00	99.03
2.352	2.600 (0.000)	177	3621			5.00- 9.00	6.06

Data File: e10196.d

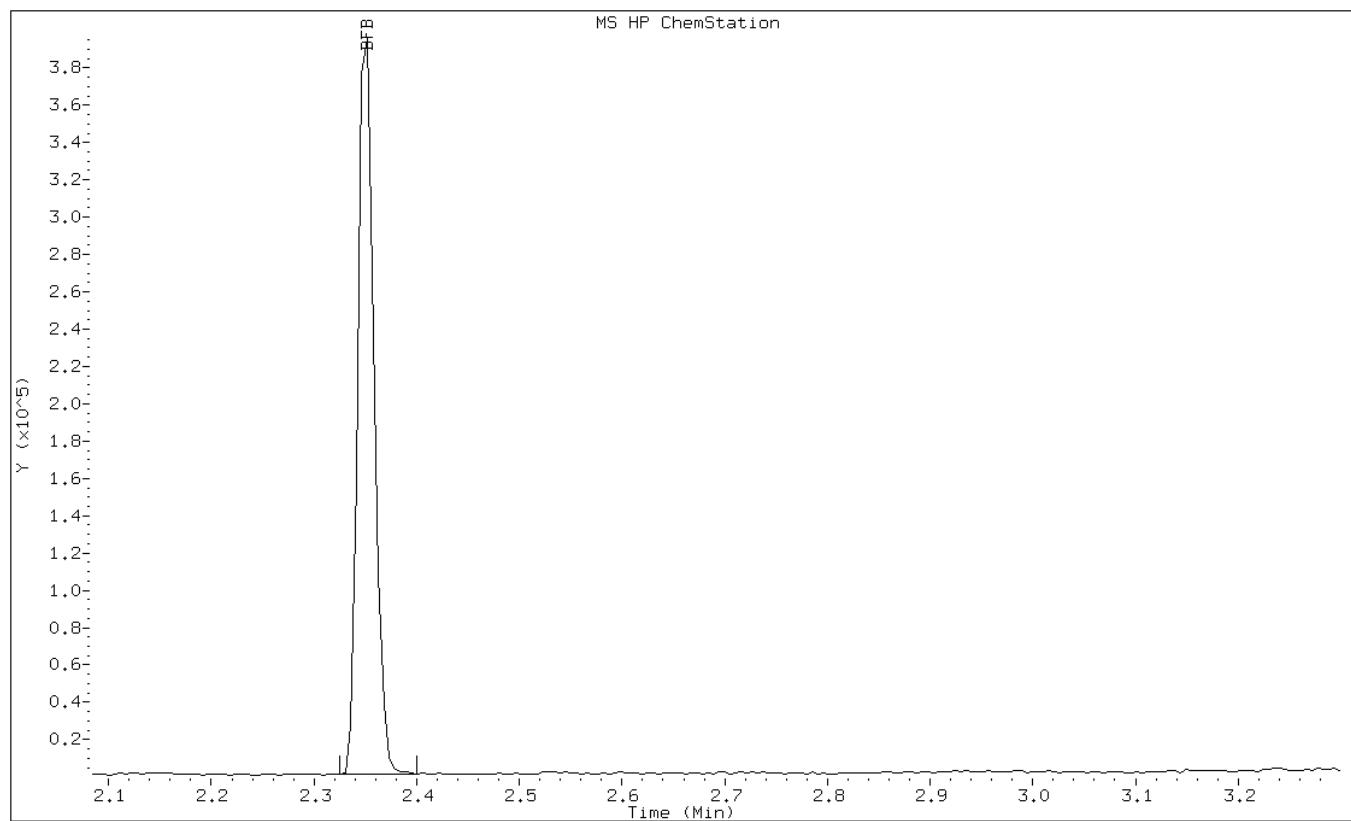
Date: 23-NOV-2012 06:04

Client ID:

Instrument: VOAMS5.i

Sample Info: BFB

Operator: VOAMS 1



Data File: e10196.d

Date: 23-NOV-2012 06:04

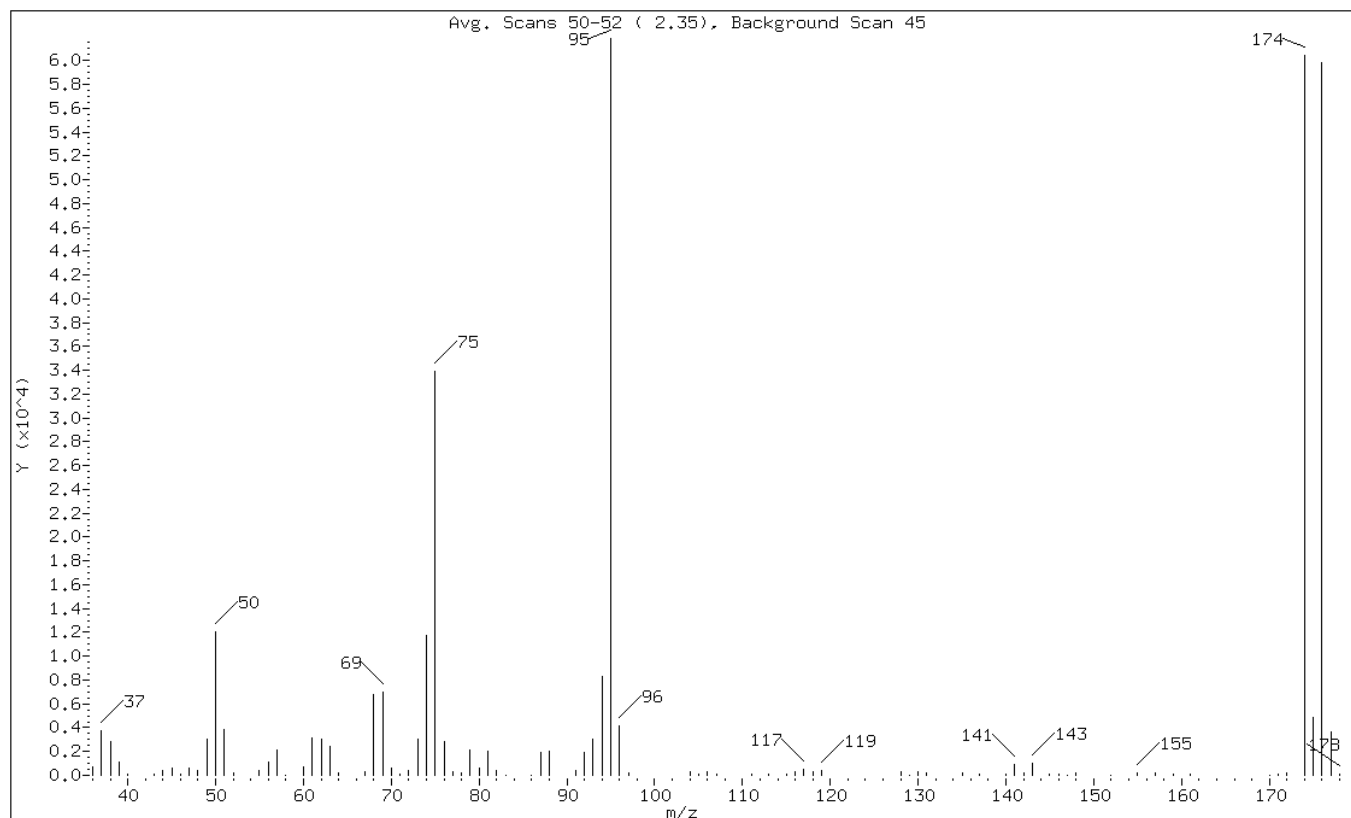
Client ID:

Instrument: VOAMS5.i

Sample Info: BFB

Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.52
75	30.00 - 60.00% of mass 95	54.91
96	5.00 - 9.00% of mass 95	6.72
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	97.63
175	5.00 - 9.00% of mass 174	7.79 (7.98)
176	95.00 - 101.00% of mass 174	96.69 (99.03)
177	5.00 - 9.00% of mass 176	5.85 (6.06)

Data File: e10196.d

Date: 23-NOV-2012 06:04

Client ID:

Instrument: VOAMS5.i

Sample Info: BFB

Operator: VOAMS 1

Data File: /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b/e10196.d
Spectrum: Avg. Scans 50-52 (2.35), Background Scan 45
Location of Maximum: 95.00
Number of points: 89

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	751	64.00	184	93.00	2987	141.00	871
37.00	3754	67.00	289	94.00	8296	142.00	184
38.00	2838	68.00	6764	95.00	61848	143.00	1013
39.00	1139	69.00	6941	96.00	4157	145.00	112
40.00	69	70.00	559	97.00	197	146.00	98
43.00	65	71.00	106	104.00	294	147.00	45
44.00	410	72.00	420	105.00	118	148.00	190
45.00	571	73.00	3026	106.00	342	152.00	40
46.00	63	74.00	11714	107.00	87	155.00	245
47.00	583	75.00	33960	111.00	91	157.00	153
48.00	421	76.00	2852	113.00	80	159.00	146
49.00	3067	77.00	321	115.00	78	161.00	90
50.00	12073	78.00	236	116.00	295	170.00	47
51.00	3836	79.00	2161	117.00	479	171.00	139
52.00	171	80.00	568	118.00	276	172.00	179
55.00	403	81.00	2024	119.00	419	174.00	60384
56.00	1112	82.00	390	128.00	336	175.00	4817
57.00	2129	83.00	49	129.00	19	176.00	59800
58.00	46	86.00	46	130.00	294	177.00	3621
60.00	735	87.00	1921	131.00	173	178.00	105
61.00	3186	88.00	2050	135.00	226		
62.00	3085	91.00	361	137.00	92		
63.00	2434	92.00	1891	140.00	78		

Data File: /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10349.d
 Report Date: 27-Nov-2012 19:22

TestAmerica

Data file : /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10349.d
 Lab Smp Id: BFB
 Inj Date : 27-NOV-2012 19:13
 Operator : VOAMS 1
 Smp Info : BFB
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/BFBDEL.m
 Meth Date : 27-Feb-2012 15:08 sylvanus
 Cal Date :
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2
 Inst ID: VOAMS5.i
 Quant Type: ISTD
 Cal File:
 QC Sample: BFB
 Compound Sublist: all.sub
 Sample Matrix: WATER

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS							
RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS		TARGET RANGE	RATIO
				ON-COL	FINAL		
			(ug/L)	(ug/L)			
==	=====	=====	=====	=====	=====	=====	=====
1	BFB					CAS #: 460-00-4	
2.320	2.600 (0.000)	95	25048			0.00- 100.00	100.00
2.320	2.600 (0.000)	50	5225			15.00- 40.00	20.86
2.320	2.600 (0.000)	75	13086			30.00- 60.00	52.24
2.320	2.600 (0.000)	96	1472			5.00- 9.00	5.88
2.320	2.600 (0.000)	173	0			0.00- 2.00	0.00
2.320	2.600 (0.000)	174	23312			50.00- 100.00	93.07
2.320	2.600 (0.000)	175	2008			5.00- 9.00	8.61
2.320	2.600 (0.000)	176	23440			95.00- 101.00	100.55
2.320	2.600 (0.000)	177	1407			5.00- 9.00	6.00

Data File: e10349.d

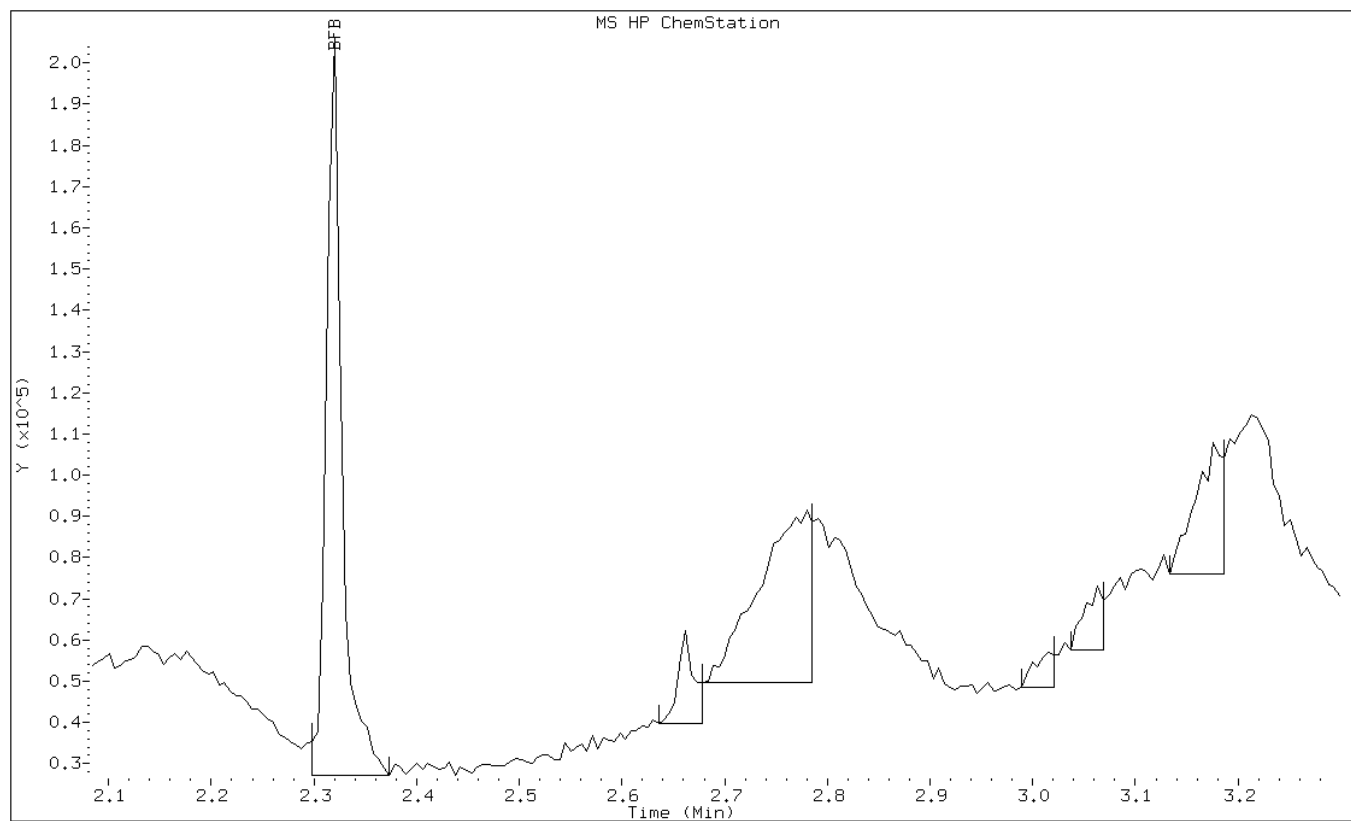
Date: 27-NOV-2012 19:13

Client ID:

Instrument: VOAMS5.i

Sample Info: BFB

Operator: VOAMS 1



Data File: e10349.d

Date: 27-NOV-2012 19:13

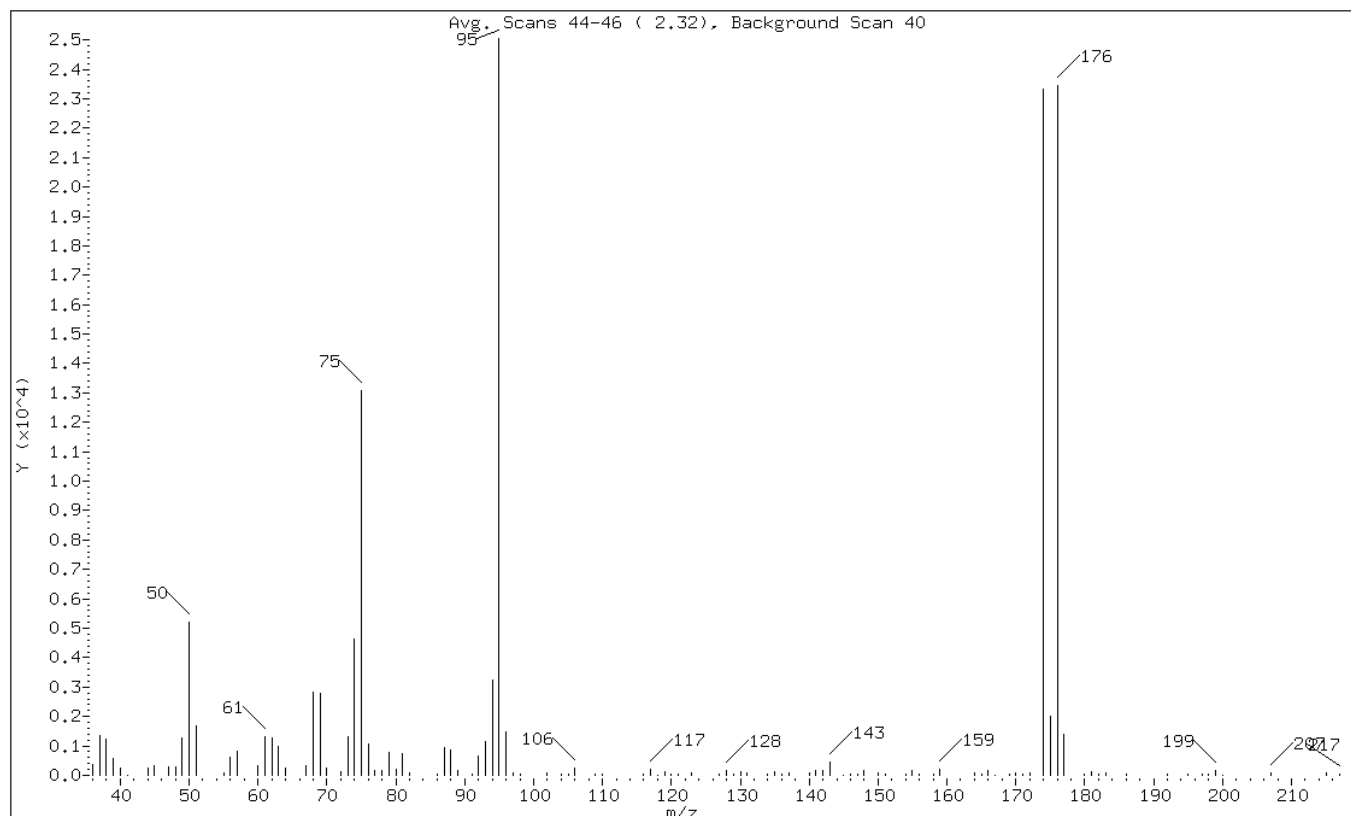
Client ID:

Instrument: VOAMS5.i

Sample Info: BFB

Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.86
75	30.00 - 60.00% of mass 95	52.24
96	5.00 - 9.00% of mass 95	5.88
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	93.07
175	5.00 - 9.00% of mass 174	8.02 (8.61)
176	95.00 - 101.00% of mass 174	93.58 (100.55)
177	5.00 - 9.00% of mass 176	5.62 (6.00)

Data File: e10349.d

Date: 27-NOV-2012 19:13

Client ID:

Instrument: VOAMS5.i

Sample Info: BFB

Operator: VOAMS 1

Data File: /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10349.d
Spectrum: Avg. Scans 44-46 (2.32), Background Scan 40
Location of Maximum: 95.00
Number of points: 111

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	377	75.00	13086	118.00	19	159.00	206
37.00	1363	76.00	1066	119.00	107	164.00	76
38.00	1221	77.00	169	120.00	34	165.00	54
39.00	555	78.00	182	121.00	34	166.00	176
40.00	245	79.00	764	123.00	80	167.00	2
41.00	12	80.00	221	127.00	49	169.00	61
44.00	265	81.00	752	128.00	162	170.00	74
45.00	322	82.00	95	129.00	39	171.00	39
47.00	295	86.00	46	130.00	124	172.00	98
48.00	275	87.00	926	131.00	68	174.00	23312
49.00	1275	88.00	874	134.00	24	175.00	2008
50.00	5225	89.00	159	135.00	108	176.00	23440
51.00	1682	91.00	34	136.00	34	177.00	1407
55.00	68	92.00	662	137.00	73	180.00	36
56.00	598	93.00	1155	140.00	91	181.00	123
57.00	813	94.00	3252	141.00	162	182.00	34
60.00	316	95.00	25048	142.00	151	183.00	78
61.00	1314	96.00	1472	143.00	465	186.00	44
62.00	1271	97.00	69	145.00	6	192.00	34
63.00	1001	98.00	61	146.00	37	195.00	38
64.00	226	102.00	77	147.00	23	197.00	34
67.00	339	104.00	45	148.00	148	198.00	41
68.00	2834	105.00	54	150.00	72	199.00	174
69.00	2778	106.00	262	151.00	23	200.00	15
70.00	244	109.00	30	154.00	36	207.00	87
72.00	135	110.00	50	155.00	175	215.00	79
73.00	1308	116.00	33	156.00	46	217.00	43
74.00	4620	117.00	207	158.00	42		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-137198/4

Matrix: Water Lab File ID: e10356.d

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 11/27/2012 22:42

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)

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

Analysis Batch No.: 137198 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.060	U	1.0	0.060
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.10	U	1.0	0.10
75-01-4	Vinyl chloride	0.14	U	1.0	0.14
74-83-9	Bromomethane	0.18	U	1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	0.40	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	0.21	U	1.0	0.21
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.090	U	1.0	0.090
78-87-5	1,2-Dichloropropane	0.090	U	1.0	0.090
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	1.0	0.080
67-64-1	Acetone	2.7	U	5.0	2.7
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
79-20-9	Methyl acetate	0.34	U	2.0	0.34
75-09-2	Methylene Chloride	0.18	U	1.0	0.18
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
124-48-1	Chlorodibromomethane	0.20	U	1.0	0.20
1634-04-4	Methyl tert-butyl ether	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.17	U	1.0	0.17
75-34-3	1,1-Dichloroethane	0.13	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.18	U	1.0	0.18
78-93-3	2-Butanone (MEK)	2.3	U	5.0	2.3
67-66-3	Chloroform	0.080	U	1.0	0.080
100-41-4	Ethylbenzene	0.10	U	1.0	0.10
110-82-7	Cyclohexane	0.16	U	1.0	0.16
56-23-5	Carbon tetrachloride	0.060	U	1.0	0.060
71-43-2	Benzene	0.080	U	1.0	0.080
107-06-2	1,2-Dichloroethane	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.090	U	1.0	0.090
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14
75-27-4	Dichlorobromomethane	0.12	U	1.0	0.12
10061-01-5	cis-1,3-Dichloropropene	0.18	U	1.0	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	5.0	0.99
108-88-3	Toluene	0.15	U	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	0.24	U	1.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-137198/4
 Matrix: Water Lab File ID: e10356.d
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 11/27/2012 22:42
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 137198 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	0.19	U	1.0	0.19
127-18-4	Tetrachloroethene	0.10	U	1.0	0.10
591-78-6	2-Hexanone	0.50	U	5.0	0.50
106-93-4	1,2-Dibromoethane	0.28	U	1.0	0.28
108-90-7	Chlorobenzene	0.11	U	1.0	0.11
1330-20-7	Xylenes, Total	0.36	U	3.0	0.36
100-42-5	Styrene	0.12	U	1.0	0.12
75-25-2	Bromoform	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.080	U	1.0	0.080
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.0	0.16
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
106-46-7	1,4-Dichlorobenzene	0.23	U	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	0.34	U	1.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-130
460-00-4	4-Bromofluorobenzene	98		70-130
2037-26-5	Toluene-d8 (Surr)	100		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-137198/4
Matrix: Water Lab File ID: e10356.d
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5(mL) Date Analyzed: 11/27/2012 22:42
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 137198 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

Data File: /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10356.d
 Report Date: 28-Nov-2012 10:52

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10356.d
 Lab Smp Id: MB
 Inj Date : 27-NOV-2012 22:42
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : MB
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/8260DE_09.m
 Meth Date : 28-Nov-2012 10:51 maryb Quant Type: ISTD
 Cal Date : 27-NOV-2012 19:37 Cal File: e10350.d
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	(ug/L)	FINAL
=====	=====	==	=====	=====	=====	=====	=====	=====
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.376	3.375	(0.934)	266220	50.4771		50
* 52 Fluorobenzene	96	3.613	3.607	(1.000)	714077	50.0000		
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.736)	732993	49.7859		50
* 78 Chlorobenzene-d5	117	6.942	6.942	(1.000)	627091	50.0000		
\$ 89 Bromofluorobenzene (SUR)	174	8.692	8.691	(0.832)	287312	49.0515		49
* 108 1,4-Dichlorobenzene-d4	152	10.447	10.447	(1.000)	352545	50.0000		

Data File: e10356.d

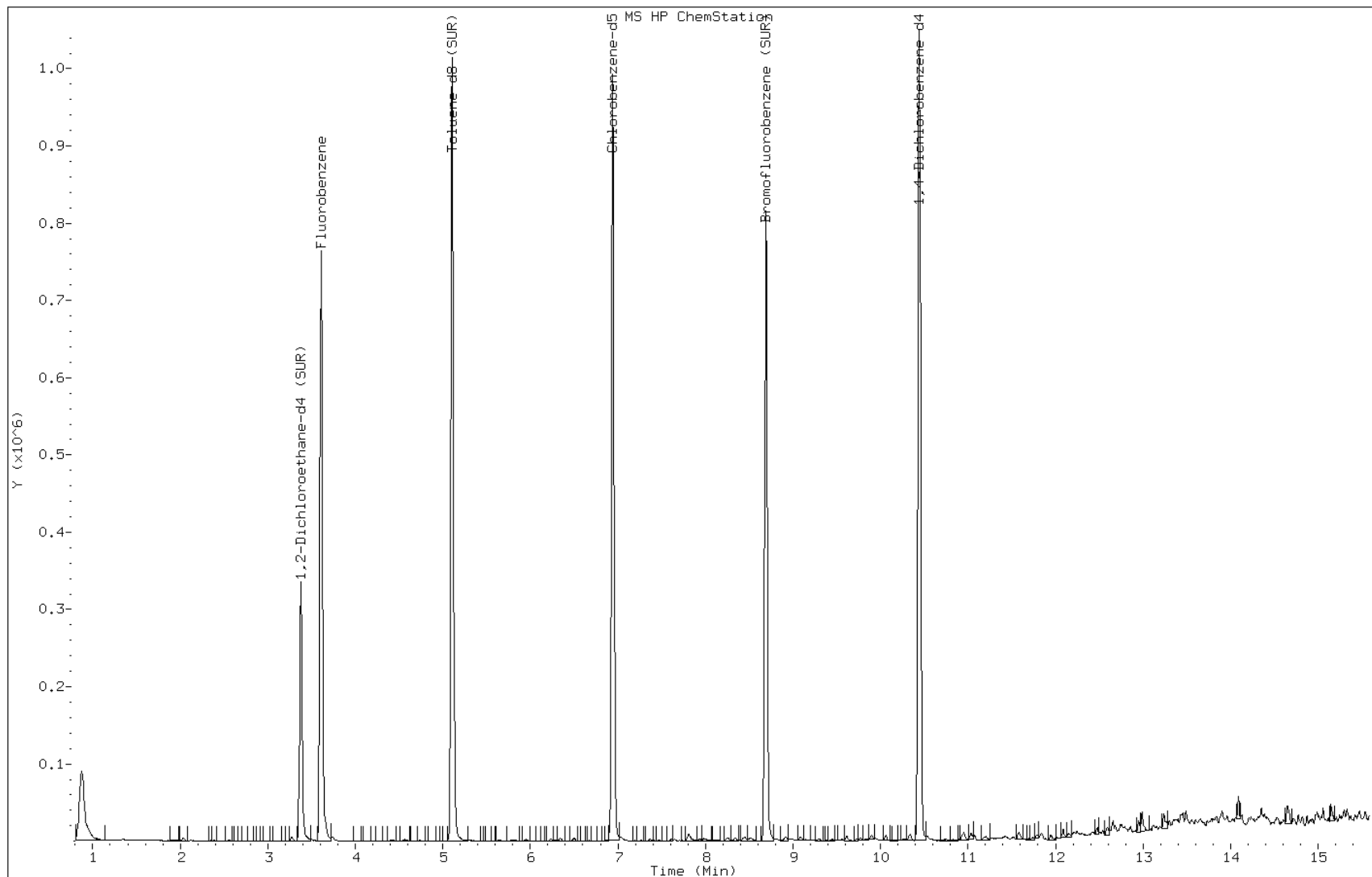
Date: 27-NOV-2012 22:42

Client ID:

Instrument: VOAMS5.i

Sample Info: MB

Operator: GC/MS VOAMS5



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-137198/3

Matrix: Water Lab File ID: e10352.d

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 11/27/2012 20:24

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)

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

Analysis Batch No.: 137198 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	17.7		1.0	0.060
75-71-8	Dichlorodifluoromethane	18.5		1.0	0.22
74-87-3	Chloromethane	18.5		1.0	0.10
75-01-4	Vinyl chloride	17.8		1.0	0.14
74-83-9	Bromomethane	17.8		1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	22.1		1.0	0.40
95-50-1	1,2-Dichlorobenzene	19.4		1.0	0.21
75-69-4	Trichlorofluoromethane	17.1		1.0	0.15
75-35-4	1,1-Dichloroethene	17.8		1.0	0.090
78-87-5	1,2-Dichloropropane	18.5		1.0	0.090
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22.5		1.0	0.080
67-64-1	Acetone	23.9		5.0	2.7
75-15-0	Carbon disulfide	19.2		1.0	0.13
79-20-9	Methyl acetate	22.2		2.0	0.34
75-09-2	Methylene Chloride	18.6		1.0	0.18
156-60-5	trans-1,2-Dichloroethene	18.1		1.0	0.13
124-48-1	Chlorodibromomethane	19.1		1.0	0.20
1634-04-4	Methyl tert-butyl ether	20.1		1.0	0.14
75-00-3	Chloroethane	17.9		1.0	0.17
75-34-3	1,1-Dichloroethane	18.1		1.0	0.13
156-59-2	cis-1,2-Dichloroethene	18.3		1.0	0.18
78-93-3	2-Butanone (MEK)	19.9		5.0	2.3
67-66-3	Chloroform	17.6		1.0	0.080
100-41-4	Ethylbenzene	18.2		1.0	0.10
110-82-7	Cyclohexane	23.3		1.0	0.16
56-23-5	Carbon tetrachloride	17.8		1.0	0.060
71-43-2	Benzene	18.0		1.0	0.080
107-06-2	1,2-Dichloroethane	18.9		1.0	0.19
79-01-6	Trichloroethene	18.8		1.0	0.090
108-87-2	Methylcyclohexane	24.4		1.0	0.14
75-27-4	Dichlorobromomethane	18.7		1.0	0.12
10061-01-5	cis-1,3-Dichloropropene	18.5		1.0	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	20.7		5.0	0.99
108-88-3	Toluene	18.2		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	18.7		1.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-137198/3
 Matrix: Water Lab File ID: e10352.d
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 11/27/2012 20:24
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 137198 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	18.6		1.0	0.19
127-18-4	Tetrachloroethene	18.3		1.0	0.10
591-78-6	2-Hexanone	21.5		5.0	0.50
106-93-4	1,2-Dibromoethane	19.6		1.0	0.28
108-90-7	Chlorobenzene	18.6		1.0	0.11
1330-20-7	Xylenes, Total	56.4		3.0	0.36
100-42-5	Styrene	18.7		1.0	0.12
75-25-2	Bromoform	19.5		1.0	0.19
98-82-8	Isopropylbenzene	19.2		1.0	0.080
79-34-5	1,1,2,2-Tetrachloroethane	19.5		1.0	0.16
541-73-1	1,3-Dichlorobenzene	19.1		1.0	0.14
106-46-7	1,4-Dichlorobenzene	19.3		1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	22.0		1.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-130
460-00-4	4-Bromofluorobenzene	98		70-130
2037-26-5	Toluene-d8 (Surr)	99		70-130

Data File: /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10352.d
 Report Date: 28-Nov-2012 00:29

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10352.d
 Lab Smp Id: LCS
 Inj Date : 27-NOV-2012 20:24
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : LCS
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/8260DE_09.m
 Meth Date : 27-Nov-2012 21:02 martinez Quant Type: ISTD
 Cal Date : 27-NOV-2012 19:37 Cal File: e10350.d
 Als bottle: 3 QC Sample: BS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	
=====	=====	==	=====	=====	=====	(ug/L)	(ug/L)	
2 Dichlorodifluoromethane	85	0.955	0.955	(0.265)	43825	18.4523	18	
3 Chloromethane	50	1.083	1.083	(0.300)	76872	18.5002	18	
4 Vinyl Chloride	62	1.077	1.077	(0.299)	62464	17.7576	18	
6 Bromomethane	94	1.236	1.229	(0.343)	40346	17.8340	18	
5 Chloroethane	64	1.291	1.284	(0.358)	37141	17.8905	18	
7 Trichlorofluoromethane	101	1.345	1.345	(0.373)	85402	17.1111	17	
14 Freon TF	101	1.614	1.607	(0.447)	60196	22.4872	22	
15 1,1-Dichloroethene	96	1.595	1.595	(0.442)	48892	17.7782	18	
16 Acetone	58	1.937	1.937	(0.537)	8565	23.9241	24	
18 Carbon Disulfide	76	1.608	1.607	(0.446)	187680	19.2394	19	
27 Methyl Acetate	74	1.998	1.998	(0.554)	13725	22.1732	22	
22 Methylene Chloride	49	1.900	1.894	(0.527)	88720	18.6199	19	
28 MTBE	73	2.059	2.052	(0.571)	233313	20.1082	20	
25 trans-1,2-Dichloroethene	96	1.986	1.979	(0.550)	65332	18.0956	18	
30 1,1-Dichloroethane	63	2.339	2.333	(0.648)	133842	18.1271	18	
36 cis-1,2-Dichloroethene	96	2.674	2.674	(0.741)	69247	18.2913	18	

Data File: /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10352.d
 Report Date: 28-Nov-2012 00:29

Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
	MASS						ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====	=====
38 2-Butanone	72		3.095	3.089	(0.858)	11414	19.8577	20
42 Chloroform	83		2.863	2.863	(0.794)	116389	17.6402	18
44 Cyclohexane	56		2.802	2.802	(0.777)	99870	23.3420	23
43 1,1,1-Trichloroethane	97		3.004	2.997	(0.833)	109408	17.6833	18
45 Carbon Tetrachloride	117		2.955	2.955	(0.819)	97065	17.8424	18
48 Benzene	78		3.278	3.272	(0.472)	267861	17.9664	18
\$ 47 1,2-Dichloroethane-d4 (SUR)	65		3.376	3.375	(0.936)	256938	50.5814	50
49 1,2-Dichloroethane	62		3.430	3.430	(0.951)	105446	18.9351	19
* 52 Fluorobenzene	96		3.607	3.607	(1.000)	687759	50.0000	
54 Trichloroethene	95		3.753	3.747	(1.041)	68959	18.7836	19
56 Methyl cyclohexane	83		3.741	3.735	(1.037)	79261	24.4110	24
57 1,2-Dichloropropane	63		4.199	4.198	(1.164)	68904	18.5424	18
68 Bromodichloromethane	83		4.278	4.278	(1.186)	96085	18.6549	19
67 cis-1,3-Dichloropropene	75		4.906	4.906	(0.707)	120841	18.5019	18
70 4-Methyl-2-Pentanone	43		5.625	5.619	(0.810)	70844	20.7395	21
\$ 65 Toluene-d8 (SUR)	98		5.107	5.107	(0.736)	724726	49.5284	50
66 Toluene	91		5.162	5.156	(0.744)	292816	18.1631	18
64 trans-1,3-Dichloropropene	75		5.643	5.643	(0.813)	112192	18.7146	19
69 1,1,2-Trichloroethane	83		5.814	5.814	(0.838)	49635	18.5556	18
71 Tetrachloroethene	166		5.576	5.576	(0.803)	77913	18.3071	18
73 2-Hexanone	43		6.668	6.667	(0.960)	52422	21.5207	22
74 Dibromochloromethane	129		6.009	6.009	(0.866)	74345	19.1225	19
77 1,2-Dibromoethane	107		6.253	6.253	(0.901)	61616	19.6098	20
* 78 Chlorobenzene-d5	117		6.942	6.942	(1.000)	623242	50.0000	
79 Chlorobenzene	112		6.960	6.960	(1.003)	196125	18.5968	18
81 Ethylbenzene	106		7.052	7.051	(1.016)	100268	18.2065	18
82 m+p-Xylene	106		7.265	7.265	(1.047)	253920	37.4284	37
84 o-Xylene	106		7.844	7.844	(1.130)	124717	18.9389	19
85 Styrene	104		7.930	7.929	(1.142)	215856	18.7463	19
86 Bromoform	173		7.899	7.899	(1.138)	50983	19.4918	19
88 Isopropylbenzene	105		8.332	8.332	(1.200)	311681	19.1735	19
\$ 89 Bromofluorobenzene (SUR)	174		8.692	8.691	(0.832)	290874	49.2465	49
92 1,1,2,2-Tetrachloroethane	83		9.094	9.094	(0.870)	69063	19.5335	20
105 1,3-Dichlorobenzene	146		10.307	10.307	(0.987)	160686	19.0806	19
* 108 1,4-Dichlorobenzene-d4	152		10.447	10.447	(1.000)	355502	50.0000	
109 1,4-Dichlorobenzene	146		10.466	10.465	(1.002)	165567	19.2672	19
111 1,2-Dichlorobenzene	146		11.130	11.130	(1.065)	153675	19.4452	19
112 1,2-Dibromo-3-chloropropane	75		12.221	12.221	(1.170)	14351	22.1096	22
114 1,2,4-Trichlorobenzene	180		12.959	12.959	(1.240)	96580	22.0284	22
M 120 1,2-Dichloroethene (Total)	100					134579	36.3869	36
M 121 Xylene (Total)	100					378638	56.3672	56

Data File: e10352.d

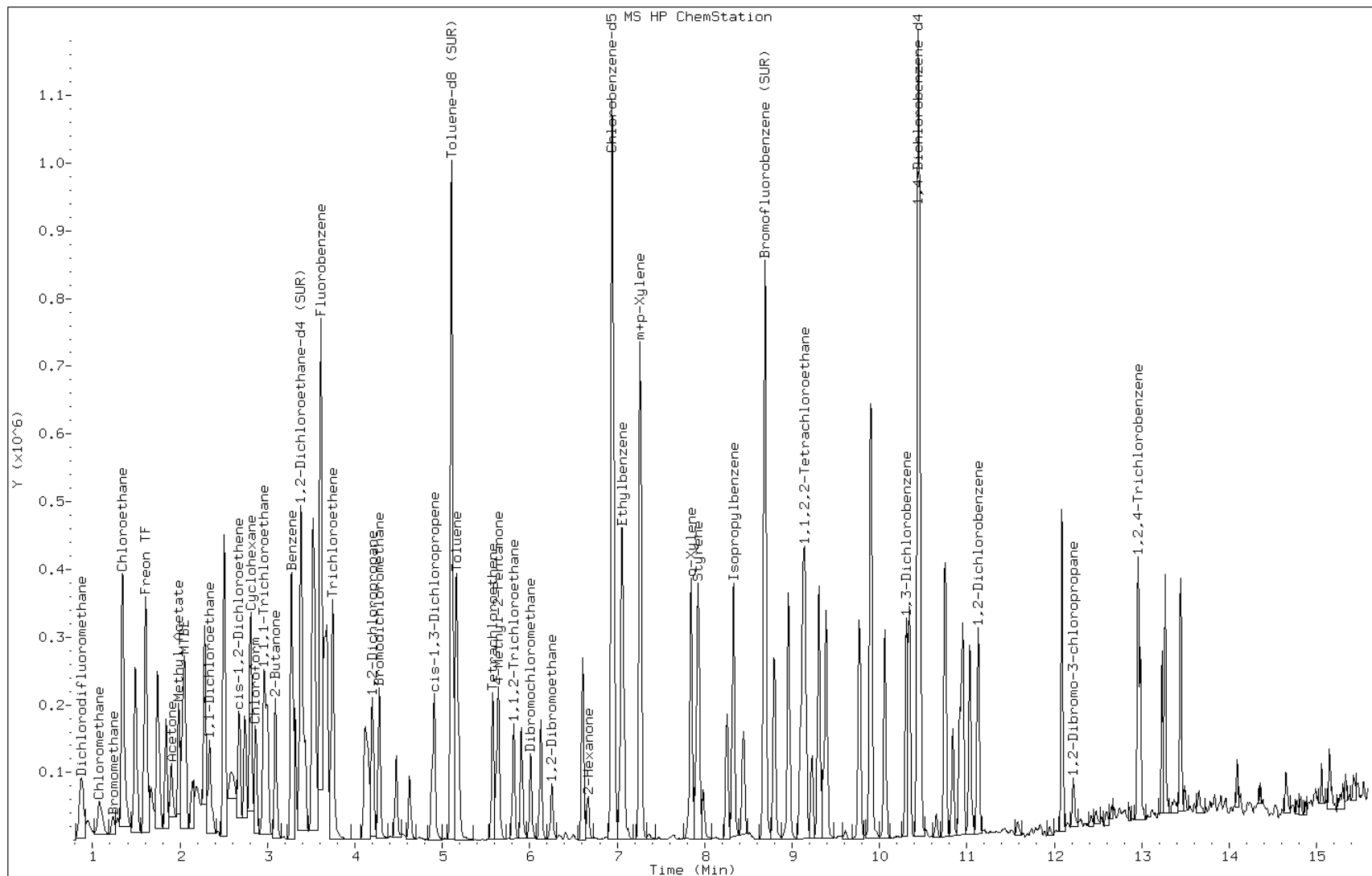
Date: 27-NOV-2012 20:24

Client ID:

Instrument: VOAMS5.i

Sample Info: LCS

Operator: GC/MS VOAMS5



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 460-137198/6

Matrix: Water Lab File ID: e10360.d

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 11/28/2012 00:27

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)

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

Analysis Batch No.: 137198 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.0		1.0	0.060
75-71-8	Dichlorodifluoromethane	20.2		1.0	0.22
74-87-3	Chloromethane	19.5		1.0	0.10
75-01-4	Vinyl chloride	19.6		1.0	0.14
74-83-9	Bromomethane	19.2		1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	18.9		1.0	0.40
95-50-1	1,2-Dichlorobenzene	19.1		1.0	0.21
75-69-4	Trichlorofluoromethane	20.2		1.0	0.15
75-35-4	1,1-Dichloroethene	20.7		1.0	0.090
78-87-5	1,2-Dichloropropane	20.3		1.0	0.090
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	18.7		1.0	0.080
67-64-1	Acetone	19.3		5.0	2.7
75-15-0	Carbon disulfide	19.6		1.0	0.13
79-20-9	Methyl acetate	16.9		2.0	0.34
75-09-2	Methylene Chloride	20.0		1.0	0.18
156-60-5	trans-1,2-Dichloroethene	19.5		1.0	0.13
124-48-1	Chlorodibromomethane	20.1		1.0	0.20
1634-04-4	Methyl tert-butyl ether	19.2		1.0	0.14
75-00-3	Chloroethane	19.6		1.0	0.17
75-34-3	1,1-Dichloroethane	19.6		1.0	0.13
156-59-2	cis-1,2-Dichloroethene	20.4		1.0	0.18
78-93-3	2-Butanone (MEK)	18.5		5.0	2.3
67-66-3	Chloroform	20.3		1.0	0.080
100-41-4	Ethylbenzene	19.8		1.0	0.10
110-82-7	Cyclohexane	19.5		1.0	0.16
56-23-5	Carbon tetrachloride	19.0		1.0	0.060
71-43-2	Benzene	20.0		1.0	0.080
107-06-2	1,2-Dichloroethane	19.7		1.0	0.19
79-01-6	Trichloroethene	19.9		1.0	0.090
108-87-2	Methylcyclohexane	19.3		1.0	0.14
75-27-4	Dichlorobromomethane	20.2		1.0	0.12
10061-01-5	cis-1,3-Dichloropropene	20.0		1.0	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	19.3		5.0	0.99
108-88-3	Toluene	20.1		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	20.7		1.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 460-137198/6
 Matrix: Water Lab File ID: e10360.d
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 11/28/2012 00:27
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 137198 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	20.1		1.0	0.19
127-18-4	Tetrachloroethene	20.2		1.0	0.10
591-78-6	2-Hexanone	19.0		5.0	0.50
106-93-4	1,2-Dibromoethane	19.8		1.0	0.28
108-90-7	Chlorobenzene	20.1		1.0	0.11
1330-20-7	Xylenes, Total	59.5		3.0	0.36
100-42-5	Styrene	19.8		1.0	0.12
75-25-2	Bromoform	19.4		1.0	0.19
98-82-8	Isopropylbenzene	19.7		1.0	0.080
79-34-5	1,1,2,2-Tetrachloroethane	19.9		1.0	0.16
541-73-1	1,3-Dichlorobenzene	19.3		1.0	0.14
106-46-7	1,4-Dichlorobenzene	19.5		1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	18.5		1.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-130
460-00-4	4-Bromofluorobenzene	100		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130

Data File: /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10360.d
 Report Date: 28-Nov-2012 09:09

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10360.d
 Lab Smp Id: LCSD
 Inj Date : 28-NOV-2012 00:27
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : LCSD
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/8260DE_09.m
 Meth Date : 28-Nov-2012 08:09 desais Quant Type: ISTD
 Cal Date : 27-NOV-2012 19:37 Cal File: e10350.d
 Als bottle: 11 QC Sample: METHSPIKE
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.949	0.955	(0.263)	57155	20.2065	20
3 Chloromethane	50	1.077	1.077	(0.299)	92928	19.5001	20
4 Vinyl Chloride	62	1.077	1.077	(0.299)	78453	19.6484	20
6 Bromomethane	94	1.230	1.230	(0.341)	49007	19.2452	19
5 Chloroethane	64	1.285	1.284	(0.356)	47677	19.6433	20
7 Trichlorofluoromethane	101	1.346	1.345	(0.373)	114908	20.1615	20
14 Freon TF	101	1.608	1.608	(0.446)	68569	18.7489	19
15 1,1-Dichloroethene	96	1.595	1.595	(0.442)	60767	20.6794	21
16 Acetone	58	1.943	1.937	(0.539)	6395	19.3020	19
18 Carbon Disulfide	76	1.608	1.608	(0.446)	230241	19.5611	20
27 Methyl Acetate	74	2.004	2.004	(0.556)	12754	16.8977	17
22 Methylene Chloride	49	1.900	1.900	(0.527)	102241	19.9854	20
28 MTBE	73	2.053	2.053	(0.569)	260583	19.1669	19
25 trans-1,2-Dichloroethene	96	1.986	1.986	(0.550)	75280	19.4775	19
30 1,1-Dichloroethane	63	2.339	2.339	(0.648)	152783	19.5751	20
36 cis-1,2-Dichloroethene	96	2.675	2.674	(0.741)	78983	20.3801	20

Data File: /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b/e10360.d
 Report Date: 28-Nov-2012 09:09

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
38 2-Butanone	72		3.095	3.095	(0.858)		11703	18.5315	18
42 Chloroform	83		2.864	2.863	(0.794)		140764	20.2774	20
44 Cyclohexane	56		2.809	2.809	(0.779)		115986	19.5218	20
43 1,1,1-Trichloroethane	97		2.998	2.998	(0.831)		129597	19.9670	20
45 Carbon Tetrachloride	117		2.955	2.955	(0.819)		111378	19.0234	19
48 Benzene	78		3.278	3.278	(0.472)		300939	19.9940	20
\$ 47 1,2-Dichloroethane-d4 (SUR)	65		3.376	3.376	(0.936)		269094	50.5057	50
49 1,2-Dichloroethane	62		3.430	3.430	(0.951)		119429	19.7413	20
* 52 Fluorobenzene	96		3.607	3.607	(1.000)		707770	50.0000	
54 Trichloroethene	95		3.748	3.747	(1.039)		77230	19.9109	20
56 Methyl cyclohexane	83		3.741	3.741	(1.037)		94953	19.3227	19
57 1,2-Dichloropropane	63		4.199	4.199	(1.164)		80514	20.3295	20
68 Bromodichloromethane	83		4.278	4.278	(1.186)		111451	20.1659	20
67 cis-1,3-Dichloropropene	75		4.906	4.906	(0.707)		134723	20.0035	20
70 4-Methyl-2-Pentanone	43		5.625	5.619	(0.810)		73750	19.3404	19
\$ 65 Toluene-d8 (SUR)	98		5.107	5.107	(0.736)		740618	50.7693	51
66 Toluene	91		5.162	5.162	(0.744)		329643	20.0932	20
64 trans-1,3-Dichloropropene	75		5.643	5.643	(0.813)		126752	20.6645	21
69 1,1,2-Trichloroethane	83		5.814	5.820	(0.838)		55339	20.1278	20
71 Tetrachloroethene	166		5.576	5.576	(0.803)		89613	20.2196	20
73 2-Hexanone	43		6.668	6.668	(0.960)		50613	19.0140	19
74 Dibromochloromethane	129		6.009	6.009	(0.866)		82710	20.0689	20
77 1,2-Dibromoethane	107		6.253	6.253	(0.901)		65548	19.7619	20
* 78 Chlorobenzene-d5	117		6.942	6.942	(1.000)		628780	50.0000	
79 Chlorobenzene	112		6.960	6.960	(1.003)		216679	20.0963	20
81 Ethylbenzene	106		7.052	7.052	(1.016)		112294	19.8171	20
82 m+p-Xylene	106		7.265	7.265	(1.047)		281595	39.7289	40
84 o-Xylene	106		7.844	7.844	(1.130)		136837	19.7427	20
85 Styrene	104		7.930	7.930	(1.142)		237013	19.8236	20
86 Bromoform	173		7.899	7.899	(1.138)		55072	19.3796	19
88 Isopropylbenzene	105		8.332	8.332	(1.200)		341442	19.6674	20
\$ 89 Bromofluorobenzene (SUR)	174		8.692	8.692	(0.832)		293088	50.0520	50
92 1,1,2,2-Tetrachloroethane	83		9.094	9.094	(0.870)		73486	19.8866	20
105 1,3-Dichlorobenzene	146		10.307	10.307	(0.987)		170497	19.3408	19
* 108 1,4-Dichlorobenzene-d4	152		10.447	10.447	(1.000)		360304	50.0000	
109 1,4-Dichlorobenzene	146		10.466	10.466	(1.002)		177276	19.4980	19
111 1,2-Dichlorobenzene	146		11.130	11.130	(1.065)		160948	19.0753	19
112 1,2-Dibromo-3-chloropropane	75		12.221	12.221	(1.170)		14041	18.8619	19
114 1,2,4-Trichlorobenzene	180		12.959	12.959	(1.240)		97372	18.5345	18
M 120 1,2-Dichloroethene (Total)	100						154263	39.8576	40
M 121 Xylene (Total)	100						418432	59.4717	59

Data File: e10360.d

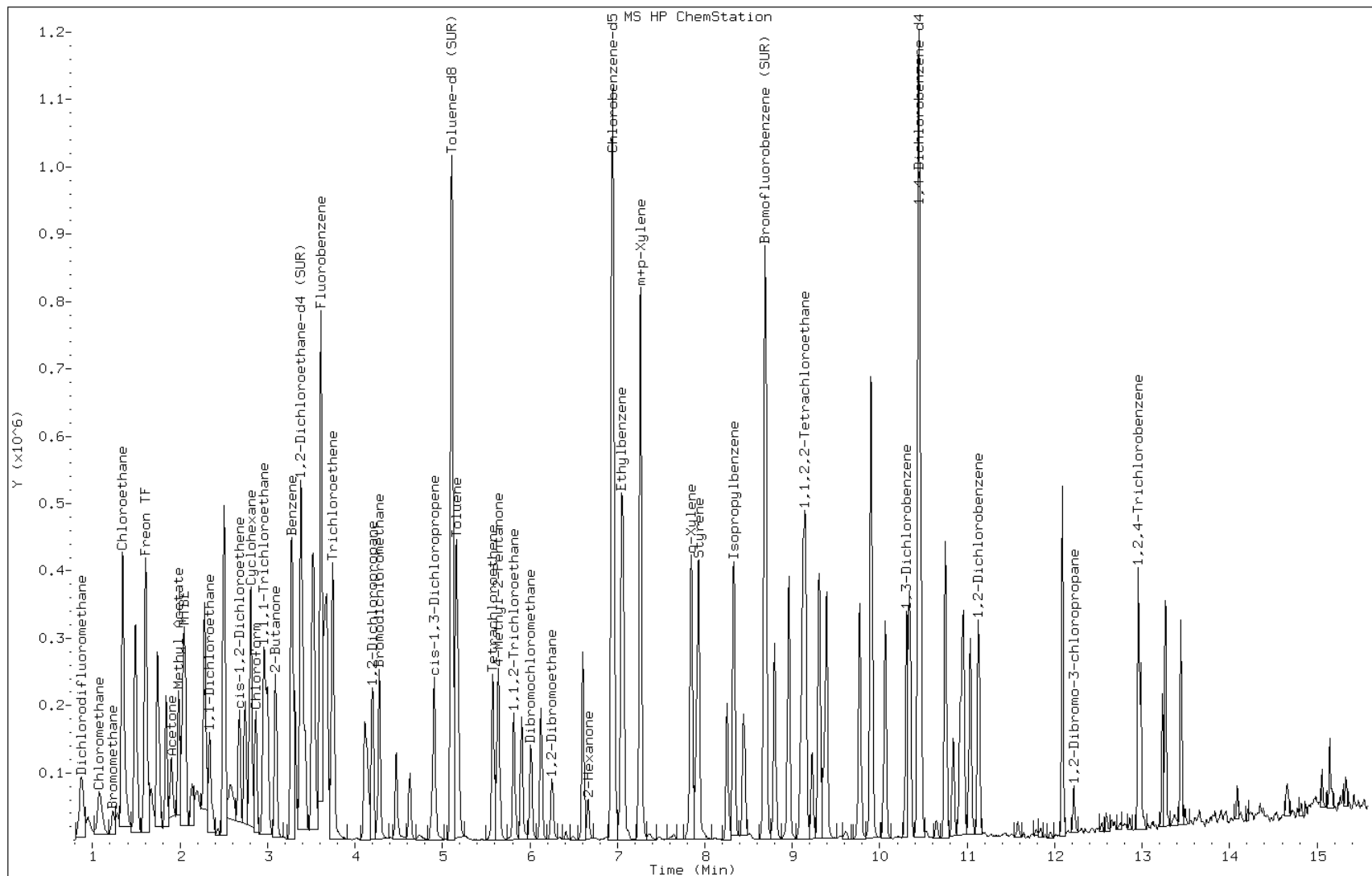
Date: 28-NOV-2012 00:27

Client ID:

Instrument: VOAMS5.i

Sample Info: LCSD

Operator: GC/MS VOAMS5



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: VOAMS5 Start Date: 11/23/2012 06:04Analysis Batch Number: 136876 End Date: 11/23/2012 09:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-136876/1		11/23/2012 06:04	1	e10196.d	Rtx-VMS 0.18 (mm)
ICIS 460-136876/2		11/23/2012 06:40	1	e10198.d	Rtx-VMS 0.18 (mm)
IC 460-136876/3		11/23/2012 08:02	1	e10200.d	Rtx-VMS 0.18 (mm)
IC 460-136876/4		11/23/2012 08:25	1	e10201.d	Rtx-VMS 0.18 (mm)
IC 460-136876/5		11/23/2012 09:11	1	e10203.d	Rtx-VMS 0.18 (mm)
IC 460-136876/6		11/23/2012 09:34	1	e10204.d	Rtx-VMS 0.18 (mm)
IC 460-136876/7		11/23/2012 09:57	1	e10205.d	Rtx-VMS 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: VOAMS5 Start Date: 11/27/2012 19:13Analysis Batch Number: 137198 End Date: 11/28/2012 01:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-137198/1		11/27/2012 19:13	1	e10349.d	Rtx-VMS 0.18 (mm)
CCVIS 460-137198/2		11/27/2012 19:37	1	e10350.d	Rtx-VMS 0.18 (mm)
LCS 460-137198/3		11/27/2012 20:24	1	e10352.d	Rtx-VMS 0.18 (mm)
MB 460-137198/4		11/27/2012 22:42	1	e10356.d	Rtx-VMS 0.18 (mm)
460-47276-2	WG-17338-111612-MW37- CG-269	11/28/2012 00:03	1	e10359.d	Rtx-VMS 0.18 (mm)
LCSD 460-137198/6		11/28/2012 00:27	1	e10360.d	Rtx-VMS 0.18 (mm)
CCV 460-137198/7		11/28/2012 01:13	1	e10362.d	Rtx-VMS 0.18 (mm)

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS5.i
Analytical Batch: /chem/VOAMS5.i/8260DE/11-23-12/23nov12.b

Date Generated: 11/26/2012
Page 1

136896

Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD LOT	COMMENTS
11/23/12	0604 e10196.d	2	BFB		0	0	1	all			G
11/23/12	0640 e10198.d	2	ICIS-VMCAL3		5	0	1	HSLDEL		1805674 SURR 500: 8260 HIGH	C
11/23/12	0802 e10200.d	4	IC-VMCAL2		5	0	1	HSLDEL		SURR 250: 1805635 SURR 500: 1846303	C
11/23/12	0825 e10201.d	5	IC-VMCAL1		5	0	1	HSLDEL		1818049 SURR 500: 1818025	C
11/23/12	0911 e10203.d	7	IC-VMCAL4		5	0	1	HSLDEL		1818022 SURR 500: 1818020	C
11/23/12	0934 e10204.d	8	IC-VMCAL5		5	0	1	HSLDEL		1846304 SURR 500: 1818195	C
11/23/12	0957 e10205.d	9	IC-VMCAL6		5	0	1	HSLDEL		1818023 SURR 500: 1818021	C

Signed: [Signature] Read and Understood by: [Signature]

Date: 11/26/12 Date: 11/26/12

1818026
1818029
1818030

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS5.i
Analytical Batch: /chem/VOAMS5.i/8260DE/11-23-12/27nov12a.b

Date Generated: 11/28/2012
Page 1

Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD LOT	COMMENTS
11/27/12 1913	e10349.d	2	BFB		0	0	1	all			
11/27/12 1937	e10350.d	1	CCVIS		5	0	1	HSLDEL			8260 HIGH 150574 SUPR 500: G
11/27/12 2001	e10351.d	2	LCS		5	0	1	HSLDEL			8260 IS: 150574 SUPR 500: G
11/27/12 2024	e10352.d	3	LCS		5	0	1	HSLDEL			SUPR 250: 1818075 GAS 500: 185976 MIX 1 500: 1818079 MIX 2 500: 1818075 MIX 3 1818072 AC/AC 1818070 GAS SP: 185977 8260 SP: 1818197 MIX 3 SP: 1818073 AC/AC SP: 1818071 MISC: B4B 185975 MISC 1818074 1818076 1818079 G
11/27/12 2242	e10356.d	7	MB		5	0	1	HSLDEL			G
11/28/12 0003	e10359.d	10	460-47276-A-2	WG-17338-111612-MW3	5	0	1	HSLDEL			* see note
11/28/12 0027	e10360.d	11	LCSD		5	0	1	HSLDEL			G
11/28/12 0050	e10361.d	12	CCV		5	0	1	HSLDEL			G
11/28/12 0113	e10362.d	13	CCV		5	0	1	HSLDEL			NOT used

Signed: Paula Neri for Eddie
Read and Understood by: Paula Neri

Date: 11/28/12

Date: 11/28/12

* note: TIC @ 15.148 min. GC c10 - deleted.

137198

Method 8270 DEL

Semivolatile Organics (GC/MS) by
Method 8270 (Delaware)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): Rtx-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
WG-17338-111612-MW 35-CG-268	460-47276-1	53	36	90	90	89	87
WG-17338-111612-MW 37-CG-269	460-47276-2	51	33	89	90	90	87
	MB 460-136417/1-A	54	38	91	89	93	88
	LCS 460-136417/2-A	51	34	88	86	88	87
	LCSD 460-136417/3-A	52	37	90	89	93	90

	<u>QC LIMITS</u>
2FP = 2-Fluorophenol (Surr)	10-65
PHL = Phenol-d5 (Surr)	10-48
NBZ = Nitrobenzene-d5 (Surr)	56-112
FBP = 2-Fluorobiphenyl	53-108
TBP = 2,4,6-Tribromophenol (Surr)	46-122
TPH = Terphenyl-d14 (Surr)	50-122

Column to be used to flag recovery values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: z14491.d
 Lab ID: LCS 460-136417/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	100	89.6	90	66-112	
Phenol	100	40.1	40	12-44	
2,4,6-Trichlorophenol	100	94.6	95	67-111	
Bis(2-chloroethyl)ether	100	90.9	91	62-108	
2,4-Dichlorophenol	100	94.7	95	64-107	
2-Chlorophenol	100	89.0	89	53-101	
2,4-Dinitrotoluene	100	89.3	89	65-113	
2,2'-oxybis[1-chloropropane]	100	95.9	96	68-107	
Acetophenone	100	93.3	93	68-109	
2-Methylnaphthalene	100	90.2	90	66-102	
4-Methylphenol	100	76.2	76	30-75	*
2-Methylphenol	100	81.0	81	40-90	
2-Nitroaniline	100	89.7	90	73-116	
Hexachloroethane	100	84.9	85	50-99	
Nitrobenzene	100	90.2	90	66-106	
4-Chloro-3-methylphenol	100	93.0	93	57-106	
Isophorone	100	86.7	87	68-108	
2-Nitrophenol	100	90.0	90	65-107	
4-Chlorophenyl phenyl ether	100	90.0	90	68-105	
2,4-Dimethylphenol	100	87.9	88	55-100	
4-Nitroaniline	100	92.4	92	49-119	
4-Nitrophenol	100	47.3	47	10-44	*
Bis(2-chloroethoxy)methane	100	91.4	91	69-108	
Atrazine	100	73.9	74	56-116	
Naphthalene	100	89.2	89	63-101	
Benzaldehyde	100	128	128	52-150	
4-Chloroaniline	100	88.7	89	58-105	
Benzo[a]pyrene	100	89.5	89	58-101	
Hexachlorobutadiene	100	84.3	84	52-99	
Benzo[k]fluoranthene	100	85.4	85	66-114	
Caprolactam	100	26.1	26	10-30	
Carbazole	100	91.8	92	67-110	
Hexachlorocyclopentadiene	100	75.9	76	40-105	
Dibenz(a,h)anthracene	100	91.2	91	67-124	
2,4,5-Trichlorophenol	100	93.0	93	67-114	
Dimethyl phthalate	100	92.9	93	69-111	
2-Chloronaphthalene	100	90.5	90	65-107	
Fluoranthene	100	90.1	90	68-108	
Fluorene	100	91.0	91	68-105	
2,6-Dinitrotoluene	100	88.4	88	68-114	
Acenaphthylene	100	91.2	91	67-107	
3-Nitroaniline	100	93.8	94	59-108	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: z14491.d
 Lab ID: LCS 460-136417/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
N-Nitrosodi-n-propylamine	100	98.1	98	70-109	
Acenaphthene	100	90.1	90	66-108	
2,4-Dinitrophenol	100	82.0	82	19-113	
Dibenzofuran	100	90.7	91	68-105	
Diethyl phthalate	100	90.1	90	66-109	
4,6-Dinitro-2-methylphenol	100	87.7	88	58-115	
N-Nitrosodiphenylamine	100	97.0	97	71-121	
4-Bromophenyl phenyl ether	100	90.9	91	66-110	
Hexachlorobenzene	100	88.1	88	65-107	
Pentachlorophenol	100	90.5	91	55-116	
Phenanthrene	100	90.9	91	68-110	
Anthracene	100	87.5	88	68-108	
Di-n-butyl phthalate	100	88.5	88	68-111	
Pyrene	100	87.5	88	61-110	
Butyl benzyl phthalate	100	86.7	87	66-115	
3,3'-Dichlorobenzidine	100	84.7	85	69-129	
Benzo[a]anthracene	100	89.9	90	65-106	
Chrysene	100	89.5	90	68-112	
Bis(2-ethylhexyl) phthalate	100	86.6	87	66-114	
Di-n-octyl phthalate	100	83.9	84	51-115	
Benzo[b]fluoranthene	100	86.6	87	65-111	
Indeno[1,2,3-cd]pyrene	100	67.2	67	68-121	*
Benzo[g,h,i]perylene	100	89.0	89	65-134	

Column to be used to flag recovery and RPD values

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: z14493.d
Lab ID: LCSD 460-136417/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1'-Biphenyl	100	90.2	90	1	30	66-112	
Phenol	100	41.7	42	4	30	12-44	
2,4,6-Trichlorophenol	100	96.8	97	2	30	67-111	
Bis(2-chloroethyl)ether	100	89.6	90	1	30	62-108	
2,4-Dichlorophenol	100	98.8	99	4	30	64-107	
2-Chlorophenol	100	88.8	89	0	30	53-101	
2,4-Dinitrotoluene	100	93.7	94	5	30	65-113	
2,2'-oxybis[1-chloropropane]	100	91.8	92	4	30	68-107	
Acetophenone	100	93.0	93	0	30	68-109	
2-Methylnaphthalene	100	91.9	92	2	30	66-102	
4-Methylphenol	100	78.5	78	3	30	30-75	*
2-Methylphenol	100	81.5	81	1	30	40-90	
2-Nitroaniline	100	108	108	19	30	73-116	
Hexachloroethane	100	85.2	85	0	30	50-99	
Nitrobenzene	100	89.4	89	1	30	66-106	
4-Chloro-3-methylphenol	100	97.3	97	4	30	57-106	
Isophorone	100	87.2	87	1	30	68-108	
2-Nitrophenol	100	92.8	93	3	30	65-107	
4-Chlorophenyl phenyl ether	100	92.2	92	2	30	68-105	
2,4-Dimethylphenol	100	92.2	92	5	30	55-100	
4-Nitroaniline	100	97.1	97	5	30	49-119	
4-Nitrophenol	100	52.1	52	10	30	10-44	*
Bis(2-chloroethoxy)methane	100	92.9	93	2	30	69-108	
Atrazine	100	73.2	73	1	30	56-116	
Naphthalene	100	89.8	90	1	30	63-101	
Benzaldehyde	100	126	126	1	30	52-150	
4-Chloroaniline	100	83.3	83	6	30	58-105	
Benzo[a]pyrene	100	93.0	93	4	30	58-101	
Hexachlorobutadiene	100	86.1	86	2	30	52-99	
Benzo[k]fluoranthene	100	88.2	88	3	30	66-114	
Caprolactam	100	25.8	26	1	30	10-30	
Carbazole	100	95.2	95	4	30	67-110	
Hexachlorocyclopentadiene	100	80.4	80	6	30	40-105	
Dibenz(a,h)anthracene	100	91.6	92	0	30	67-124	
2,4,5-Trichlorophenol	100	97.4	97	5	30	67-114	
Dimethyl phthalate	100	94.9	95	2	30	69-111	
2-Chloronaphthalene	100	91.8	92	1	30	65-107	
Fluoranthene	100	94.4	94	5	30	68-108	
Fluorene	100	92.4	92	2	30	68-105	
2,6-Dinitrotoluene	100	91.7	92	4	30	68-114	
Acenaphthylene	100	92.6	93	1	30	67-107	
3-Nitroaniline	100	95.1	95	1	30	59-108	

Column to be used to flag recovery and RPD values

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: z14493.d
Lab ID: LCSD 460-136417/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
N-Nitrosodi-n-propylamine	100	96.5	96	2	30	70-109	
Acenaphthene	100	91.5	91	1	30	66-108	
2,4-Dinitrophenol	100	93.3	93	13	30	19-113	
Dibenzofuran	100	92.8	93	2	30	68-105	
Diethyl phthalate	100	93.9	94	4	30	66-109	
4,6-Dinitro-2-methylphenol	100	94.7	95	8	30	58-115	
N-Nitrosodiphenylamine	100	98.9	99	2	30	71-121	
4-Bromophenyl phenyl ether	100	91.6	92	1	30	66-110	
Hexachlorobenzene	100	89.8	90	2	30	65-107	
Pentachlorophenol	100	96.7	97	7	30	55-116	
Phenanthrene	100	93.7	94	3	30	68-110	
Anthracene	100	90.5	91	3	30	68-108	
Di-n-butyl phthalate	100	94.6	95	7	30	68-111	
Pyrene	100	88.3	88	1	30	61-110	
Butyl benzyl phthalate	100	90.7	91	5	30	66-115	
3,3'-Dichlorobenzidine	100	88.4	88	4	30	69-129	
Benzo[a]anthracene	100	92.4	92	3	30	65-106	
Chrysene	100	92.0	92	3	30	68-112	
Bis(2-ethylhexyl) phthalate	100	91.0	91	5	30	66-114	
Di-n-octyl phthalate	100	87.4	87	4	30	51-115	
Benzo[b]fluoranthene	100	87.6	88	1	30	65-111	
Indeno[1,2,3-cd]pyrene	100	69.1	69	3	30	68-121	
Benzo[g,h,i]perylene	100	89.6	90	1	30	65-134	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Lab File ID: z14490.d Lab Sample ID: MB 460-136417/1-A
Matrix: Water Date Extracted: 11/20/2012 16:11
Instrument ID: BNAMS11 Date Analyzed: 11/23/2012 13:52
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-136417/2-A	z14491.d	11/23/2012 14:13
	LCSD 460-136417/3-A	z14493.d	11/23/2012 14:56
WG-17338-111612-MW35-CG-268	460-47276-1	z14494.d	11/23/2012 15:17
WG-17338-111612-MW37-CG-269	460-47276-2	z14495.d	11/23/2012 15:38

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Lab File ID: z14234.d DFTPP Injection Date: 11/13/2012
Instrument ID: BNAMS11 DFTPP Injection Time: 01:02
Analysis Batch No.: 135597

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	49.8
68	Less than 2.0 % of mass 69	0.7 (1.4) 1
69	Mass 69 relative abundance	48.2
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	54.2
197	Less than 1.0 % of mass 198	0.7
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.8
275	10.0 - 30.0 % of mass 198	25.1
365	Greater than 1.0 % of mass 198	3.4
441	Present but less than mass 443	9.2 (74.6) 1
442	Greater than 40.0 % of mass 198	64.6
443	17.0 - 23.0 % of mass 442	12.4 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-135597/2	z14235.d	11/13/2012	01:18
	IC 460-135597/3	z14236.d	11/13/2012	01:50
	IC 460-135597/4	z14237.d	11/13/2012	02:14
	IC 460-135597/5	z14238.d	11/13/2012	02:39
	IC 460-135597/6	z14239.d	11/13/2012	03:03

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Lab File ID: z14488.d DFTPP Injection Date: 11/23/2012
Instrument ID: BNAMS11 DFTPP Injection Time: 12:52
Analysis Batch No.: 136933

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	48.5
68	Less than 2.0 % of mass 69	0.8 (1.8) 1
69	Mass 69 relative abundance	45.9
70	Less than 2.0 % of mass 69	0.3 (0.7) 1
127	40.0 - 60.0 % of mass 198	52.7
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.4
275	10.0 - 30.0 % of mass 198	26.1
365	Greater than 1.0 % of mass 198	3.9
441	Present but less than mass 443	10.4 (74.0) 1
442	Greater than 40.0 % of mass 198	73.0
443	17.0 - 23.0 % of mass 442	14.0 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-136933/2	z14489.d	11/23/2012	13:09
	MB 460-136417/1-A	z14490.d	11/23/2012	13:52
	LCS 460-136417/2-A	z14491.d	11/23/2012	14:13
	LCSD 460-136417/3-A	z14493.d	11/23/2012	14:56
WG-17338-111612-MW35-CG-268	460-47276-1	z14494.d	11/23/2012	15:17
WG-17338-111612-MW37-CG-269	460-47276-2	z14495.d	11/23/2012	15:38
	CCV 460-136934/1	z14496.d	11/23/2012	16:00

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Sample No.: CCVIS 460-136933/2 Date Analyzed: 11/23/2012 13:09
 Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm)
 Lab File ID (Standard): z14489.d Heated Purge: (Y/N) N
 Calibration ID: 18682

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		224658	3.68	804925	4.98	372614	6.73
UPPER LIMIT		449316	4.18	1609850	5.48	745228	7.23
LOWER LIMIT		112329	3.18	402463	4.48	186307	6.23
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-136417/1-A		243290	3.68	906338	4.97	433638	6.73
LCS 460-136417/2-A		210210	3.68	773688	4.98	361351	6.73
LCSD 460-136417/3-A		233016	3.68	838010	4.98	390120	6.73
460-47276-1	WG-17338-111612-MW35-CG-268	226949	3.68	834643	4.98	397022	6.73
460-47276-2	WG-17338-111612-MW37-CG-269	213809	3.68	780029	4.97	367851	6.73

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Sample No.: CCVIS 460-136933/2 Date Analyzed: 11/23/2012 13:09
 Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm)
 Lab File ID (Standard): z14489.d Heated Purge: (Y/N) N
 Calibration ID: 18682

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		445427	8.18	219416	10.81	157004	12.56
UPPER LIMIT		890854	8.68	438832	11.31	314008	13.06
LOWER LIMIT		222714	7.68	109708	10.31	78502	12.06
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-136417/1-A		559712	8.18	304721	10.81	226067	12.56
LCS 460-136417/2-A		432306	8.18	222780	10.81	171435	12.56
LCSD 460-136417/3-A		473315	8.18	257364	10.81	199584	12.56
460-47276-1	WG-17338-111612-MW35-CG-268	494200	8.18	262023	10.81	187662	12.55
460-47276-2	WG-17338-111612-MW37-CG-269	479543	8.18	259013	10.81	185018	12.55

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Client Sample ID: WG-17338-111612-MW35-CG-2 Lab Sample ID: 460-47276-1

Matrix: Water Lab File ID: z14494.d

Analysis Method: 8270C Date Collected: 11/16/2012 14:20

Extract. Method: 3510C Date Extracted: 11/20/2012 16:11

Sample wt/vol: 960 (mL) Date Analyzed: 11/23/2012 15:17

Con. Extract Vol.: 2 (mL) Dilution Factor: 1

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

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

Analysis Batch No.: 136933 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2.9	U	10	2.9
108-95-2	Phenol	0.84	U	10	0.84
88-06-2	2,4,6-Trichlorophenol	2.5	U	10	2.5
111-44-4	Bis(2-chloroethyl) ether	0.29	U	1.0	0.29
120-83-2	2,4-Dichlorophenol	2.7	U	10	2.7
95-57-8	2-Chlorophenol	2.3	U	10	2.3
121-14-2	2,4-Dinitrotoluene	0.49	U	2.1	0.49
108-60-1	2,2'-oxybis[1-chloropropane]	2.1	U	10	2.1
98-86-2	Acetophenone	2.8	U	10	2.8
91-57-6	2-Methylnaphthalene	3.1	U	10	3.1
106-44-5	4-Methylphenol	1.7	U *	10	1.7
95-48-7	2-Methylphenol	1.9	U	10	1.9
88-74-4	2-Nitroaniline	5.1	U	21	5.1
67-72-1	Hexachloroethane	0.26	U	1.0	0.26
98-95-3	Nitrobenzene	0.31	U	1.0	0.31
59-50-7	4-Chloro-3-methylphenol	2.6	U	10	2.6
78-59-1	Isophorone	2.8	U	10	2.8
88-75-5	2-Nitrophenol	2.5	U	10	2.5
7005-72-3	4-Chlorophenyl phenyl ether	2.6	U	10	2.6
105-67-9	2,4-Dimethylphenol	3.5	U	10	3.5
100-01-6	4-Nitroaniline	6.0	U	21	6.0
100-02-7	4-Nitrophenol	7.0	U *	31	7.0
111-91-1	Bis(2-chloroethoxy)methane	2.7	U	10	2.7
1912-24-9	Atrazine	3.1	U	10	3.1
91-20-3	Naphthalene	2.8	U	10	2.8
100-52-7	Benzaldehyde	2.1	U	10	2.1
106-47-8	4-Chloroaniline	2.1	U	10	2.1
87-68-3	Hexachlorobutadiene	0.59	U	2.1	0.59
207-08-9	Benzo[k]fluoranthene	0.27	U	1.0	0.27
105-60-2	Caprolactam	2.6	U	10	2.6
86-74-8	Carbazole	3.3	U	10	3.3
77-47-4	Hexachlorocyclopentadiene	1.8	U	10	1.8
53-70-3	Dibenz(a,h)anthracene	0.094	U	1.0	0.094
95-95-4	2,4,5-Trichlorophenol	2.7	U	10	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Client Sample ID: WG-17338-111612-MW35-CG-2 Lab Sample ID: 460-47276-1
 Matrix: Water Lab File ID: z14494.d
 Analysis Method: 8270C Date Collected: 11/16/2012 14:20
 Extract. Method: 3510C Date Extracted: 11/20/2012 16:11
 Sample wt/vol: 960 (mL) Date Analyzed: 11/23/2012 15:17
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136933 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
131-11-3	Dimethyl phthalate	2.9	U	10	2.9
91-58-7	2-Chloronaphthalene	2.8	U	10	2.8
206-44-0	Fluoranthene	3.3	U	10	3.3
86-73-7	Fluorene	2.9	U	10	2.9
606-20-2	2,6-Dinitrotoluene	0.64	U	2.1	0.64
208-96-8	Acenaphthylene	2.8	U	10	2.8
99-09-2	3-Nitroaniline	5.2	U	21	5.2
621-64-7	N-Nitrosodi-n-propylamine	0.26	U	1.0	0.26
83-32-9	Acenaphthene	2.8	U	10	2.8
51-28-5	2,4-Dinitrophenol	5.6	U	31	5.6
132-64-9	Dibenzofuran	2.9	U	10	2.9
84-66-2	Diethyl phthalate	3.0	U	10	3.0
534-52-1	4,6-Dinitro-2-methylphenol	4.9	U	31	4.9
86-30-6	N-Nitrosodiphenylamine	3.0	U	10	3.0
101-55-3	4-Bromophenyl phenyl ether	2.6	U	10	2.6
85-01-8	Phenanthrene	3.2	U	10	3.2
120-12-7	Anthracene	2.9	U	10	2.9
84-74-2	Di-n-butyl phthalate	3.0	U	10	3.0
129-00-0	Pyrene	3.0	U	10	3.0
85-68-7	Butyl benzyl phthalate	2.6	U	10	2.6
91-94-1	3,3'-Dichlorobenzidine	5.1	U	21	5.1
218-01-9	Chrysene	3.2	U	10	3.2
117-81-7	Bis(2-ethylhexyl) phthalate	2.1	U	10	2.1
117-84-0	Di-n-octyl phthalate	1.6	U	10	1.6
193-39-5	Indeno[1,2,3-cd]pyrene	0.16	U *	1.0	0.16
191-24-2	Benzo[g,h,i]perylene	2.1	U	10	2.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Client Sample ID: WG-17338-111612-MW35-CG-2 Lab Sample ID: 460-47276-1
Matrix: Water Lab File ID: z14494.d
Analysis Method: 8270C Date Collected: 11/16/2012 14:20
Extract. Method: 3510C Date Extracted: 11/20/2012 16:11
Sample wt/vol: 960 (mL) Date Analyzed: 11/23/2012 15:17
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 136933 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	89		46-122
321-60-8	2-Fluorobiphenyl	90		53-108
367-12-4	2-Fluorophenol (Surr)	53		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	90		56-112
4165-62-2	Phenol-d5 (Surr)	36		10-48
1718-51-0	Terphenyl-d14 (Surr)	87		50-122

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Client Sample ID: WG-17338-111612-MW35-CG-2 Lab Sample ID: 460-47276-1
Matrix: Water Lab File ID: z14494.d
Analysis Method: 8270C Date Collected: 11/16/2012 14:20
Extract. Method: 3510C Date Extracted: 11/20/2012 16:11
Sample wt/vol: 960 (mL) Date Analyzed: 11/23/2012 15:17
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 136933 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

Data File: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14494.d
 Report Date: 26-Nov-2012 11:39

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14494.d
 Lab Smp Id: 460-47276-A-1-A Client Smp ID: WG-17338-111612-MW3
 Inj Date : 23-NOV-2012 15:17
 Operator : BNAMS 4 Inst ID: BNAMS11.i
 Smp Info : 460-47276-A-1-A
 Misc Info : 460-47276-A-1-A
 Comment :
 Method : /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/8270Cdel_08.m
 Meth Date : 24-Nov-2012 13:47 ranav Quant Type: ISTD
 Cal Date : 23-NOV-2012 16:00 Cal File: z14496.d
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allh20.sub
 Target Version: 3.50
 Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	960.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ug/ml)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====	
\$ 16 2-Fluorophenol (SUR)	112	2.432	2.438	(0.661)	204166	26.4560	55	
\$ 17 Phenol-d5 (SUR)	99	3.338	3.361	(0.907)	160137	17.9176	37	
* 79 1,4-Dichlorobenzene-d4	152	3.679	3.685	(1.000)	226949	40.0000		
\$ 76 Nitrobenzene-d5 (SUR)	82	4.249	4.261	(0.854)	382366	45.0314	94	
* 80 Naphthalene-d8	136	4.979	4.985	(1.000)	834643	40.0000		
\$ 77 2-Fluorobiphenyl (SUR)	172	6.079	6.079	(0.904)	594205	45.0201	94	
* 82 Acenaphthene-d10	164	6.726	6.732	(1.000)	397022	40.0000		
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.502	7.508	(1.115)	64212	44.3324	92	
* 83 Phenanthrene-d10	188	8.178	8.184	(1.000)	494200	40.0000		
\$ 78 Terphenyl-d14	244	9.755	9.755	(0.902)	335992	43.2759	90	
* 81 Chrysene-d12	240	10.814	10.814	(1.000)	262023	40.0000		
* 84 Perylene-d12	264	12.555	12.555	(1.000)	187662	40.0000		

Data File: z14494.d

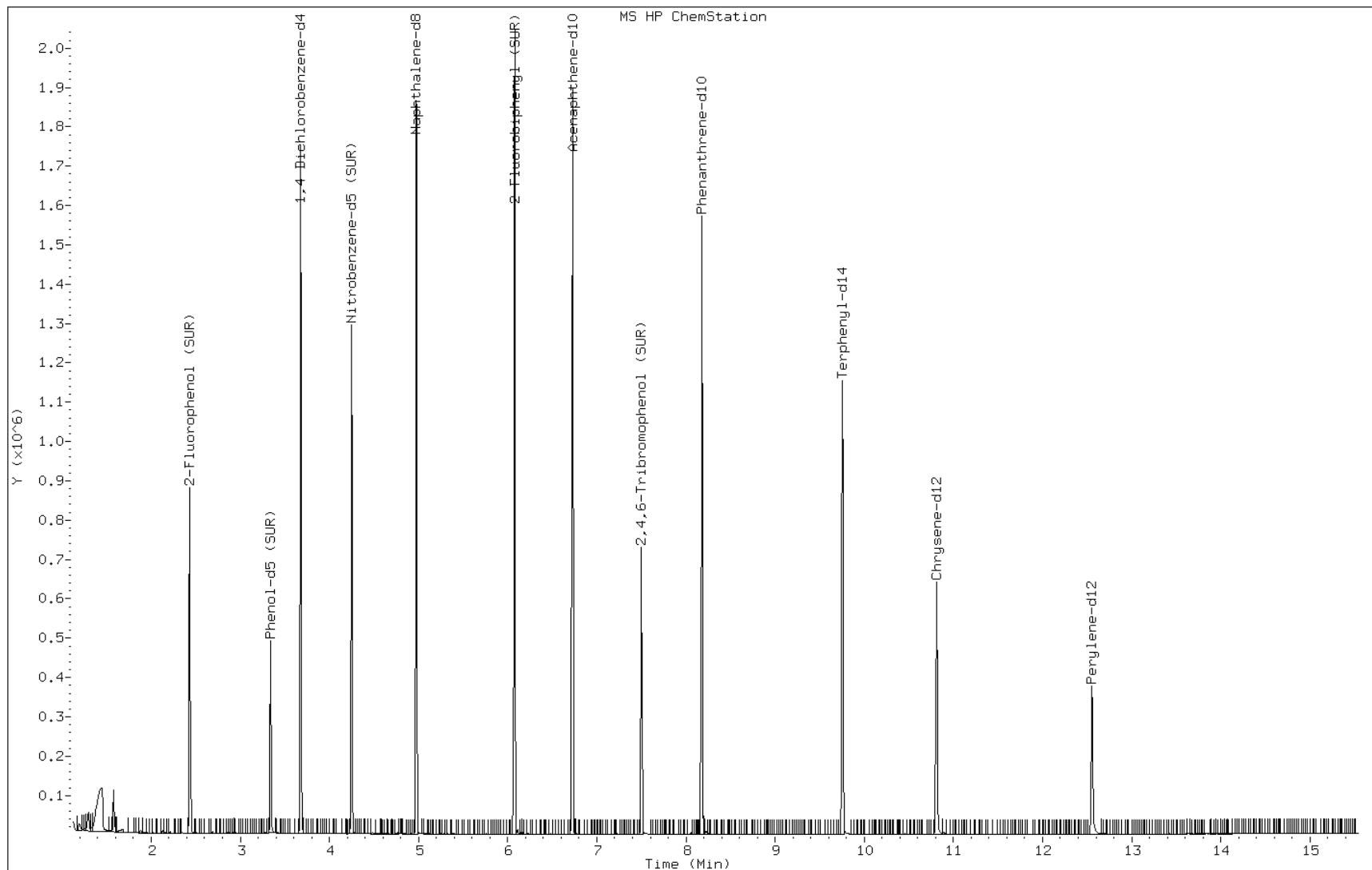
Date: 23-NOV-2012 15:17

Client ID: WG-17338-111612-MW3

Instrument: BNAMS11.i

Sample Info: 460-47276-A-1-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Client Sample ID: WG-17338-111612-MW37-CG-2 Lab Sample ID: 460-47276-2

Matrix: Water Lab File ID: z14495.d

Analysis Method: 8270C Date Collected: 11/16/2012 13:30

Extract. Method: 3510C Date Extracted: 11/20/2012 16:11

Sample wt/vol: 970 (mL) Date Analyzed: 11/23/2012 15:38

Con. Extract Vol.: 2 (mL) Dilution Factor: 1

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

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

Analysis Batch No.: 136933 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2.9	U	10	2.9
108-95-2	Phenol	0.84	U	10	0.84
88-06-2	2,4,6-Trichlorophenol	2.5	U	10	2.5
111-44-4	Bis(2-chloroethyl) ether	0.29	U	1.0	0.29
120-83-2	2,4-Dichlorophenol	2.7	U	10	2.7
95-57-8	2-Chlorophenol	2.3	U	10	2.3
121-14-2	2,4-Dinitrotoluene	0.48	U	2.1	0.48
108-60-1	2,2'-oxybis[1-chloropropane]	2.1	U	10	2.1
98-86-2	Acetophenone	2.8	U	10	2.8
91-57-6	2-Methylnaphthalene	3.1	U	10	3.1
106-44-5	4-Methylphenol	1.6	U *	10	1.6
95-48-7	2-Methylphenol	1.9	U	10	1.9
88-74-4	2-Nitroaniline	5.1	U	21	5.1
67-72-1	Hexachloroethane	0.26	U	1.0	0.26
98-95-3	Nitrobenzene	0.31	U	1.0	0.31
59-50-7	4-Chloro-3-methylphenol	2.6	U	10	2.6
78-59-1	Isophorone	2.8	U	10	2.8
88-75-5	2-Nitrophenol	2.5	U	10	2.5
7005-72-3	4-Chlorophenyl phenyl ether	2.6	U	10	2.6
105-67-9	2,4-Dimethylphenol	3.5	U	10	3.5
100-01-6	4-Nitroaniline	6.0	U	21	6.0
100-02-7	4-Nitrophenol	6.9	U *	31	6.9
111-91-1	Bis(2-chloroethoxy)methane	2.7	U	10	2.7
1912-24-9	Atrazine	3.1	U	10	3.1
91-20-3	Naphthalene	4.8	J	10	2.8
100-52-7	Benzaldehyde	2.1	U	10	2.1
106-47-8	4-Chloroaniline	2.1	U	10	2.1
87-68-3	Hexachlorobutadiene	0.59	U	2.1	0.59
207-08-9	Benzo[k]fluoranthene	0.27	U	1.0	0.27
105-60-2	Caprolactam	2.6	U	10	2.6
86-74-8	Carbazole	3.3	U	10	3.3
77-47-4	Hexachlorocyclopentadiene	1.8	U	10	1.8
53-70-3	Dibenz(a,h)anthracene	0.093	U	1.0	0.093
95-95-4	2,4,5-Trichlorophenol	2.7	U	10	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Client Sample ID: WG-17338-111612-MW37-CG-2 Lab Sample ID: 460-47276-2
 Matrix: Water Lab File ID: z14495.d
 Analysis Method: 8270C Date Collected: 11/16/2012 13:30
 Extract. Method: 3510C Date Extracted: 11/20/2012 16:11
 Sample wt/vol: 970 (mL) Date Analyzed: 11/23/2012 15:38
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136933 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
131-11-3	Dimethyl phthalate	2.9	U	10	2.9
91-58-7	2-Chloronaphthalene	2.8	U	10	2.8
206-44-0	Fluoranthene	3.3	U	10	3.3
86-73-7	Fluorene	2.9	U	10	2.9
606-20-2	2,6-Dinitrotoluene	0.63	U	2.1	0.63
208-96-8	Acenaphthylene	2.8	U	10	2.8
99-09-2	3-Nitroaniline	5.2	U	21	5.2
621-64-7	N-Nitrosodi-n-propylamine	0.26	U	1.0	0.26
83-32-9	Acenaphthene	2.8	U	10	2.8
51-28-5	2,4-Dinitrophenol	5.6	U	31	5.6
132-64-9	Dibenzofuran	2.9	U	10	2.9
84-66-2	Diethyl phthalate	3.0	U	10	3.0
534-52-1	4,6-Dinitro-2-methylphenol	4.8	U	31	4.8
86-30-6	N-Nitrosodiphenylamine	3.0	U	10	3.0
101-55-3	4-Bromophenyl phenyl ether	2.6	U	10	2.6
85-01-8	Phenanthrene	3.2	U	10	3.2
120-12-7	Anthracene	2.9	U	10	2.9
84-74-2	Di-n-butyl phthalate	3.0	U	10	3.0
129-00-0	Pyrene	3.0	U	10	3.0
85-68-7	Butyl benzyl phthalate	2.6	U	10	2.6
91-94-1	3,3'-Dichlorobenzidine	5.1	U	21	5.1
218-01-9	Chrysene	3.2	U	10	3.2
117-81-7	Bis(2-ethylhexyl) phthalate	2.1	U	10	2.1
117-84-0	Di-n-octyl phthalate	1.5	U	10	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	0.15	U *	1.0	0.15
191-24-2	Benzo[g,h,i]perylene	2.1	U	10	2.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Client Sample ID: WG-17338-111612-MW37-CG-2 Lab Sample ID: 460-47276-2
Matrix: Water Lab File ID: z14495.d
Analysis Method: 8270C Date Collected: 11/16/2012 13:30
Extract. Method: 3510C Date Extracted: 11/20/2012 16:11
Sample wt/vol: 970 (mL) Date Analyzed: 11/23/2012 15:38
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 136933 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	90		46-122
321-60-8	2-Fluorobiphenyl	90		53-108
367-12-4	2-Fluorophenol (Surr)	51		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	89		56-112
4165-62-2	Phenol-d5 (Surr)	33		10-48
1718-51-0	Terphenyl-d14 (Surr)	87		50-122

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Client Sample ID: WG-17338-111612-MW37-CG-2 Lab Sample ID: 460-47276-2
Matrix: Water Lab File ID: z14495.d
Analysis Method: 8270C Date Collected: 11/16/2012 13:30
Extract. Method: 3510C Date Extracted: 11/20/2012 16:11
Sample wt/vol: 970 (mL) Date Analyzed: 11/23/2012 15:38
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 136933 Units: ug/L
Number TICs Found: 2 TIC Result Total: 76

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown Alcohol	1.33	42	J
597-96-6	3-Hexanol, 3-methyl-	2.17	34	J N

Data File: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14495.d
 Report Date: 26-Nov-2012 11:40

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14495.d
 Lab Smp Id: 460-47276-G-2-A Client Smp ID: WG-17338-111612-MW3
 Inj Date : 23-NOV-2012 15:38
 Operator : BNAMS 4 Inst ID: BNAMS11.i
 Smp Info : 460-47276-G-2-A
 Misc Info : 460-47276-G-2-A
 Comment :
 Method : /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/8270Cdel_08.m
 Meth Date : 24-Nov-2012 13:47 ranav Quant Type: ISTD
 Cal Date : 23-NOV-2012 16:00 Cal File: z14496.d
 Als bottle: 8
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allh20.sub
 Target Version: 3.50
 Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	970.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
								(ug/ml)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 16 2-Fluorophenol (SUR)	112		2.432	2.438	(0.661)		186008	25.5844	53
\$ 17 Phenol-d5 (SUR)	99		3.338	3.361	(0.907)		140233	16.6548	34
* 79 1,4-Dichlorobenzene-d4	152		3.679	3.685	(1.000)		213809	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)	82		4.249	4.261	(0.855)		351631	44.3112	91
* 80 Naphthalene-d8	136		4.973	4.985	(1.000)		780029	40.0000	
31 Naphthalene	128		4.996	5.002	(1.005)		47539	2.33028	4.8(a)
34 2-Methylnaphthalene	142		5.696	5.702	(1.145)		2245	0.18317	0.38(a)
120 1-Methylnaphthalene	142		5.791	5.796	(1.164)		2213	0.17888	0.37(a)
\$ 77 2-Fluorobiphenyl (SUR)	172		6.073	6.079	(0.903)		548956	44.8901	92
* 82 Acenaphthene-d10	164		6.726	6.732	(1.000)		367851	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)	330		7.502	7.508	(1.115)		60637	45.1841	93
* 83 Phenanthrene-d10	188		8.179	8.184	(1.000)		479543	40.0000	
\$ 78 Terphenyl-d14	244		9.755	9.755	(0.903)		334872	43.6329	90
* 81 Chrysene-d12	240		10.808	10.814	(1.000)		259013	40.0000	
* 84 Perylene-d12	264		12.555	12.555	(1.000)		185018	40.0000	

Data File: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14495.d
Report Date: 26-Nov-2012 11:40

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: z14495.d

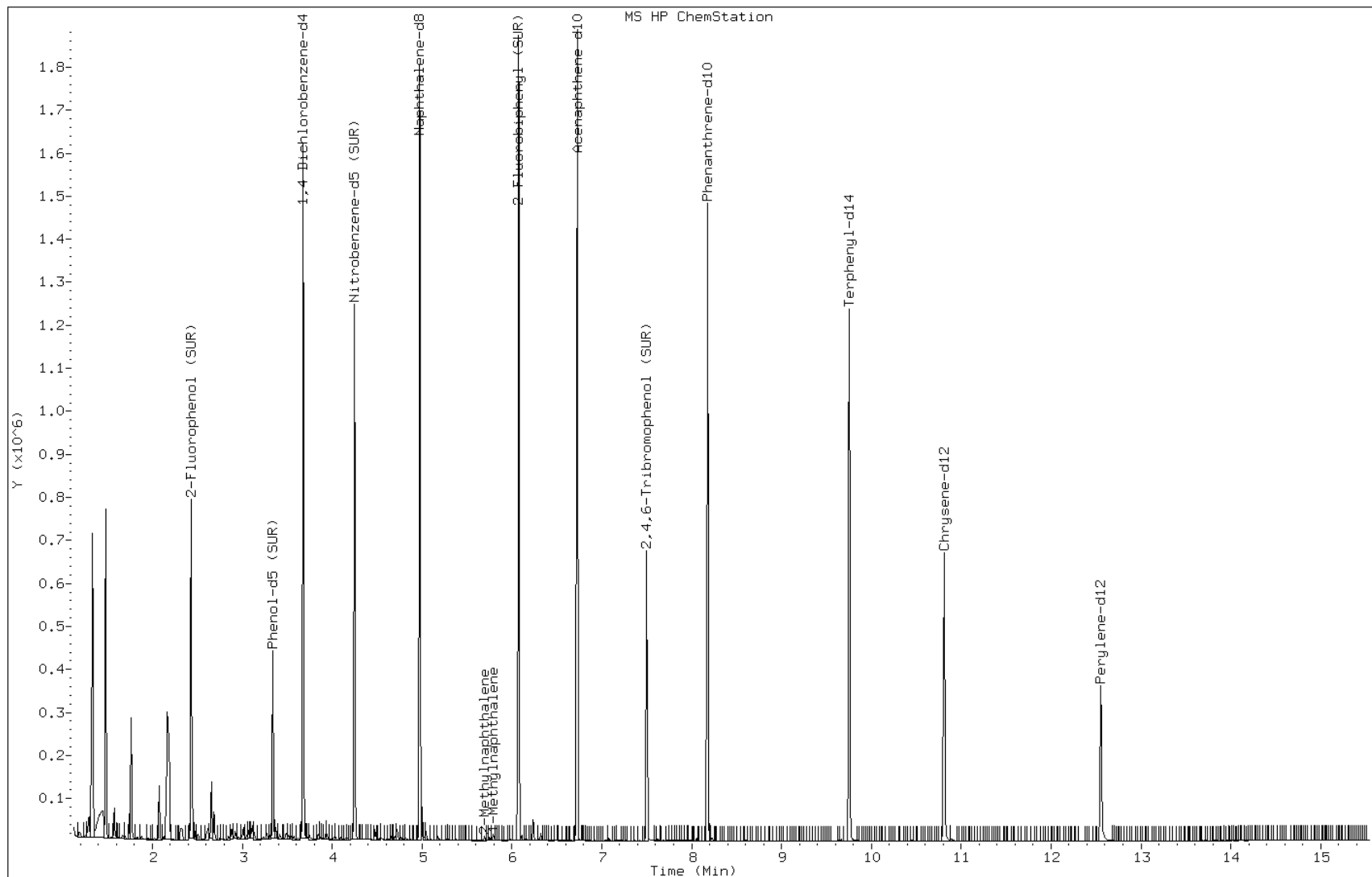
Date: 23-NOV-2012 15:38

Client ID: WG-17338-111612-MW3

Instrument: BNAMS11.i

Sample Info: 460-47276-G-2-A

Operator: BNAMS 4



Data File: z14495.d

Date: 23-NOV-2012 15:38

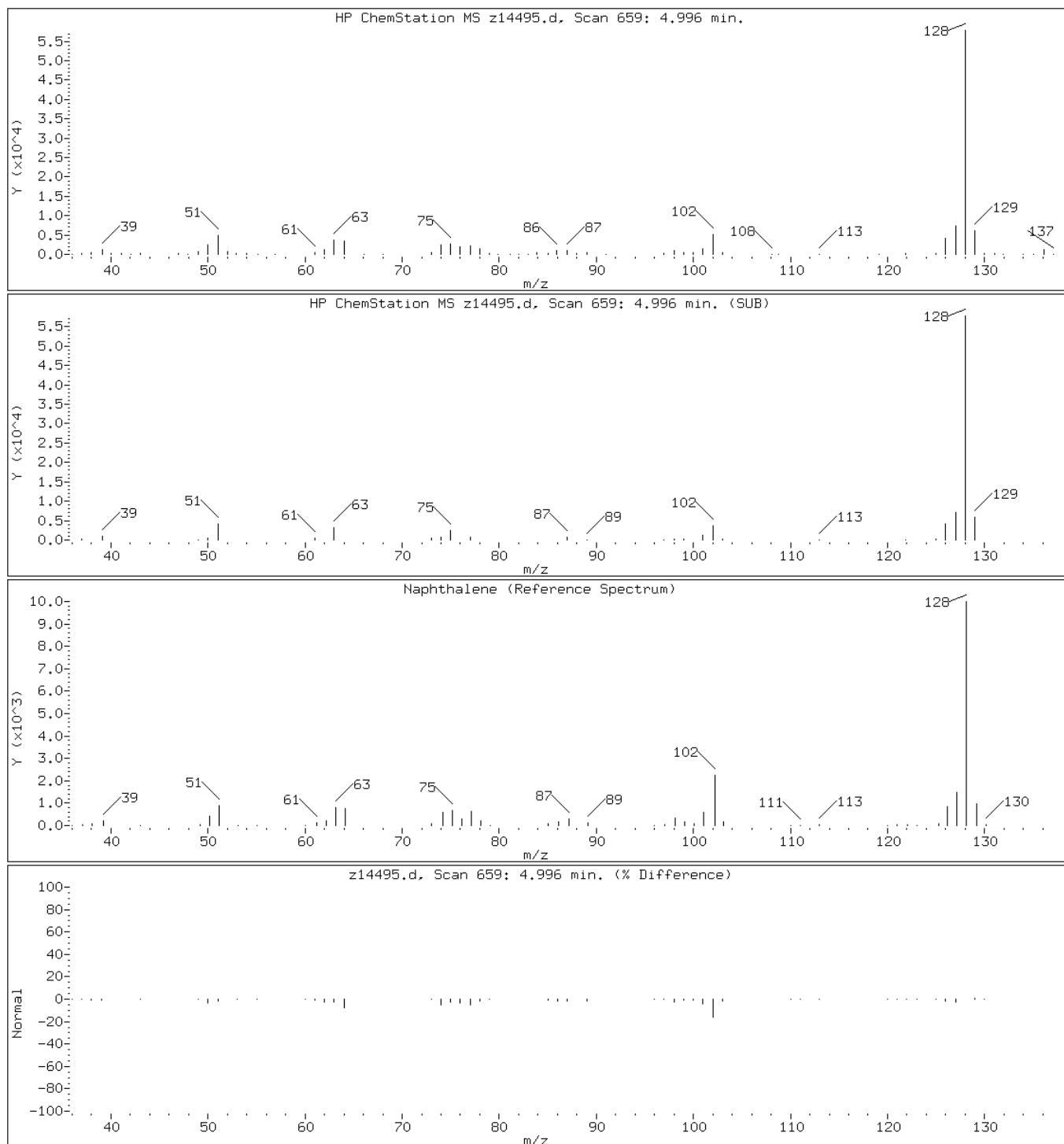
Client ID: WG-17338-111612-MW3

Instrument: BNAMS11.i

Sample Info: 460-47276-G-2-A

Operator: BNAMS 4

31 Naphthalene



Data File: z14495.d

Date: 23-NOV-2012 15:38

Client ID: WG-17338-111612-MW3

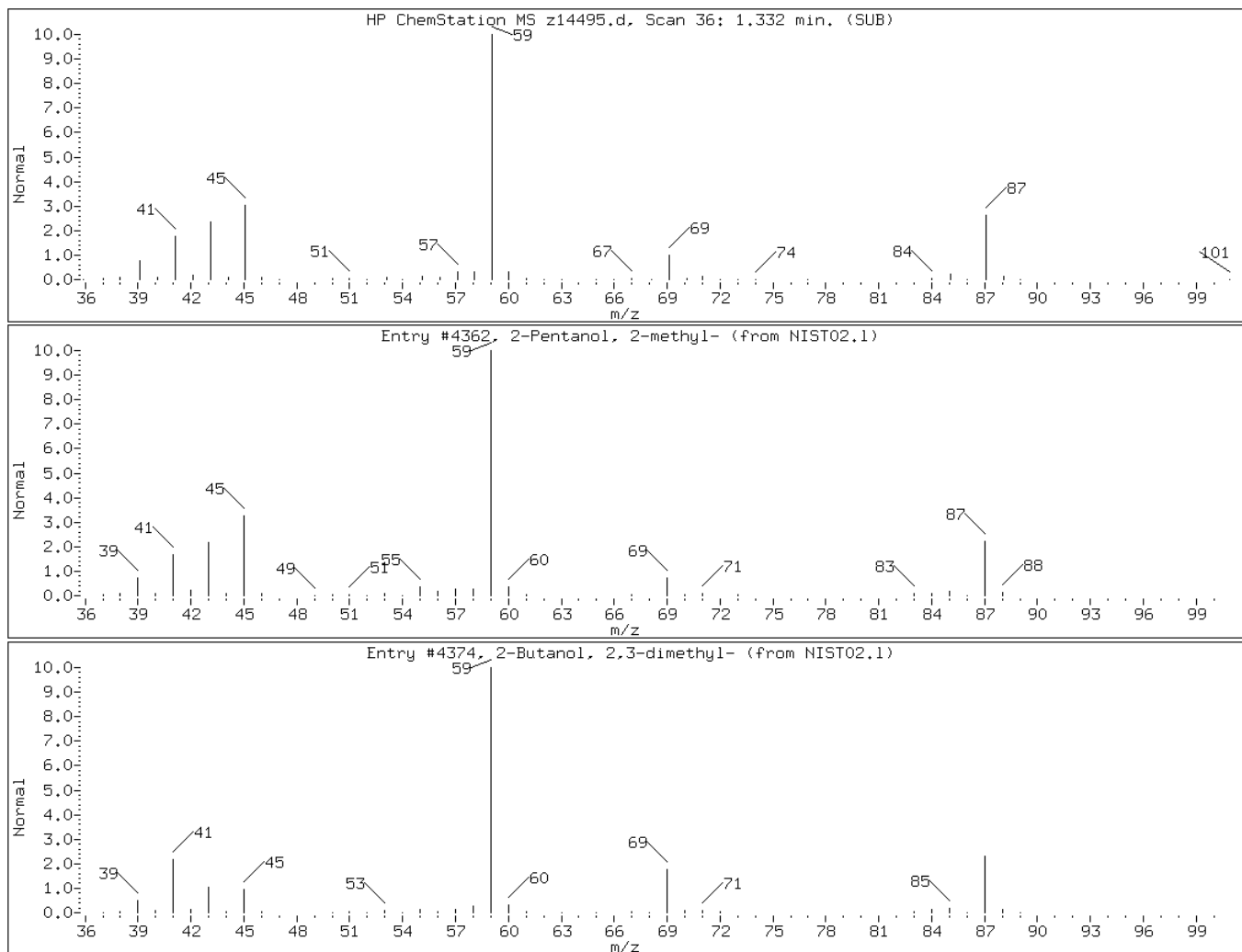
Instrument: BNAMS11.i

Sample Info: 460-47276-G-2-A

Operator: BNAMS 4

Retention Time: 1.33

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alcohol						
2-Pentanol, 2-methyl-	590-36-3	NIST02.1	4362	83	C6H14O	102
2-Butanol, 2,3-dimethyl-	594-60-5	NIST02.1	4374	64	C6H14O	102



Data File: z14495.d

Date: 23-NOV-2012 15:38

Client ID: WG-17338-111612-MW3

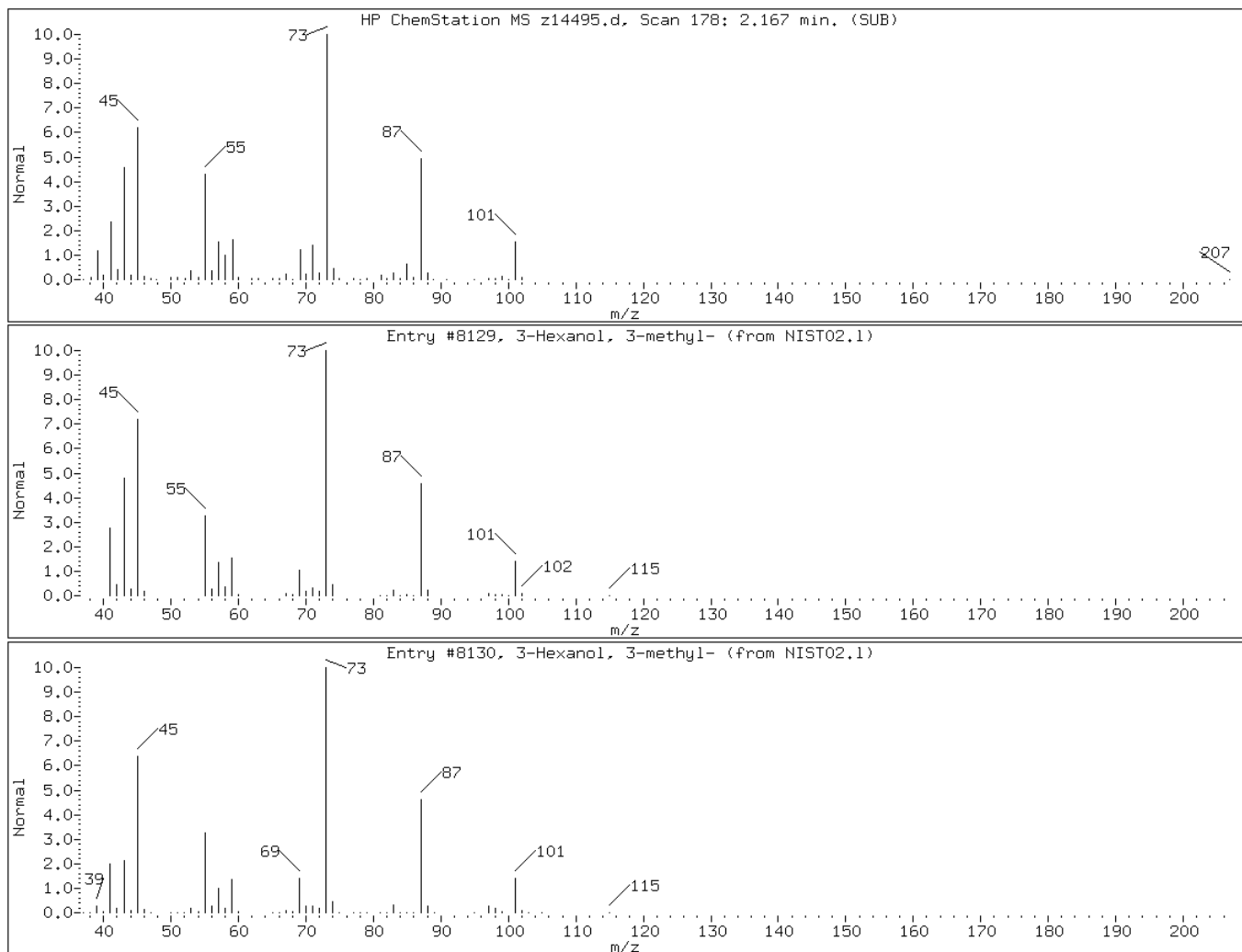
Instrument: BNAMS11.i

Sample Info: 460-47276-G-2-A

Operator: BNAMS 4

Retention Time: 2.17

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Hexanol, 3-methyl- Unknown-2	597-96-6	NIST02.1	8129	80	C7H16O	116
3-Hexanol, 3-methyl-	597-96-6	NIST02.1	8130	72	C7H16O	116



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

Lab Name: TestAmerica Edison Job No.: 460-47276-1 Analy Batch No.: 135597

SDG No.: _____

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2012 01:18 Calibration End Date: 11/13/2012 03:03 Calibration ID: 18682

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-135597/6	z14239.d
Level 2	IC 460-135597/5	z14238.d
Level 3	ICIS 460-135597/2	z14235.d
Level 4	IC 460-135597/4	z14237.d
Level 5	IC 460-135597/3	z14236.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	LVL 4	LVL 5		B	M1	M2								
o-Toluidine	0	0	0	0	0	Ave					0.0500			30.0			
1,4-Dioxane	0.6652	0.6603	0.6368	0.6549	0.7179	Ave		0.6670			0.0500	4.6		30.0			
N-Nitrosodimethylamine	0.9530	0.9587	0.9520	0.9287	0.9914	Ave		0.9567			0.0500	2.4		30.0			
Pyridine	1.7318	1.6841	1.5745	1.5876	1.7033	Ave		1.6563			0.0500	4.3		30.0			
2,3,7,8-TCDD	++++	++++	0.1704	++++	++++	Ave		0.1704			0.0500			30.0			
Benzaldehyde	1.0180	0.7814	0.4641	0.3076	0.2130	Ave		0.5568			0.0500	60.4	*	30.0			
Aniline	2.2672	2.1235	2.1457	1.8794	1.3352	Ave		1.9502			0.0500	19.0		30.0			
Phenol	2.1238	1.9875	1.8976	1.7064	1.7259	Ave		1.8882			0.0500	9.4		30.0			
Bis(2-chloroethyl)ether	1.6054	1.4991	1.5185	1.4748	2.0994	Ave		1.6394			0.0500	16.0		30.0			
2-Chlorophenol	1.5949	1.5387	1.5068	1.4008	1.3595	Ave		1.4801			0.0500	6.6		30.0			
n-Decane	2.0267	1.8092	1.5388	1.4423	1.3213	Ave		1.6276			0.0500	17.6		30.0			
1,3-Dichlorobenzene	1.7577	1.7157	1.6823	1.5920	1.6337	Ave		1.6763			0.0500	3.9		30.0			
1,4-Dichlorobenzene	1.7773	1.7082	1.6374	1.5732	1.5935	Ave		1.6579			0.0500	5.1		30.0			
Benzyl alcohol	0.8509	0.8776	0.8005	0.7849	0.7937	Ave		0.8215			0.0500	4.9		30.0			
1,2-Dichlorobenzene	1.6598	1.6005	1.5307	1.4415	1.4625	Ave		1.5390			0.0500	6.0		30.0			
2,2'-oxybis[1-chloropropane]	2.1814	2.0197	1.8647	1.6400	1.6212	Ave		1.8654			0.0500	13.0		30.0			
2-Methylphenol	1.2998	1.2291	1.1840	1.1099	1.0871	Ave		1.1820			0.0500	7.4		30.0			
Acetophenone	1.8370	1.8728	1.7817	1.6178	1.4630	Ave		1.7145			0.0500	10.0		30.0			
N-Nitrosodi-n-propylamine	0.9930	1.0053	0.9835	0.9250	0.8964	Ave		0.9606			0.0500	4.9		30.0			
3 & 4 Methylphenol	1.3394	1.2633	1.1851	1.0956	1.0711	Ave		1.1909			0.0500	9.5		30.0			
4-Methylphenol	1.3394	1.2633	1.1851	1.0956	1.0711	Ave		1.1909			0.0500	9.5		30.0			
Hexachloroethane	0.6349	0.6663	0.6576	0.6239	0.6107	Ave		0.6387			0.0500	3.6		30.0			
Nitrobenzene	0.5874	0.5681	0.5302	0.4786	0.4588	Ave		0.5246			0.0500	10.6		30.0			
n,n'-Dimethylaniline	2.0028	2.0666	1.9973	1.7995	1.7348	Ave		1.9202			0.0500	7.5		30.0			
Isophorone	0.6648	0.6445	0.6610	0.6210	0.6341	Ave		0.6451			0.0500	2.8		30.0			
2-Nitrophenol	0.2049	0.2112	0.2120	0.2069	0.2093	Ave		0.2089			0.0500	1.4		30.0			
2,4-Dimethylphenol	0.3388	0.3235	0.3027	0.2912	0.2879	Ave		0.3088			0.0500	7.1		30.0			
Bis(2-chloroethoxy)methane	0.4260	0.4216	0.4195	0.3929	0.3995	Ave		0.4119			0.0500	3.6		30.0			
2,4-Dichlorophenol	0.2995	0.2922	0.2727	0.2568	0.2482	Ave		0.2739			0.0500	8.1		30.0			
1,2,4-Trichlorobenzene	0.3505	0.3328	0.3161	0.3044	0.3115	Ave		0.3231			0.0500	5.7		30.0			
Naphthalene	1.1367	1.0937	1.0475	0.9785	0.9777	Ave		1.0468			0.0500	6.7		30.0			
4-Chloroaniline	0.4121	0.4041	0.3945	0.3579	0.3439	Ave		0.3825			0.0500	7.8		30.0			

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 Edison Job No.: 460-47276-1 Analy Batch No.: 135597

SDG No.: _____

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2012 01:18 Calibration End Date: 11/13/2012 03:03 Calibration ID: 18682

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	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.1962	0.1896	0.1765	0.1666	0.1732	Ave		0.1804			0.0500	6.7		30.0			
Caprolactam	0.0709	0.0811	0.0807	0.0811	0.0756	Ave		0.0779			0.0500	5.8		30.0			
4-Chloro-3-methylphenol	0.2730	0.2667	0.2664	0.2432	0.2373	Ave		0.2573			0.0500	6.2		30.0			
2-Methylnaphthalene	0.6592	0.6552	0.6369	0.5908	0.6002	Ave		0.6285			0.0500	5.0		30.0			
1-Methylnaphthalene	0.7150	0.6651	0.6441	0.6048	0.6204	Ave		0.6499			0.0500	6.6		30.0			
Hexachlorocyclopentadiene	0.2658	0.2706	0.2920	0.2967	0.3254	Ave		0.2901			0.0500	8.2		30.0			
2,4,6-Trichlorophenol	0.4027	0.3857	0.3734	0.3618	0.3656	Ave		0.3778			0.0500	4.4		30.0			
2,4,5-Trichlorophenol	0.4208	0.4011	0.3943	0.3740	0.3512	Ave		0.3883			0.0500	6.9		30.0			
1,1'-Biphenyl	1.6506	1.6346	1.5162	1.3999	1.4259	Ave		1.5254			0.0500	7.6		30.0			
2-Chloronaphthalene	1.2753	1.2432	1.1675	1.0928	1.0860	Ave		1.1729			0.0500	7.3		30.0			
Phenyl ether	0.8985	0.8689	0.8300	0.7823	0.8049	Ave		0.8369			0.0500	5.6		30.0			
2-Nitroaniline	0.4052	0.3728	0.3688	0.3506	0.3265	Ave		0.3648			0.0500	8.0		30.0			
Dimethyl phthalate	1.2239	1.2022	1.1622	1.0703	1.1044	Ave		1.1526			0.0500	5.6		30.0			
Coumarin	0.1948	0.1841	0.1842	0.1693	0.1744	Ave		0.1814			0.0500	5.4		30.0			
2,6-Dinitrotoluene	0.2531	0.2818	0.2843	0.2679	0.2777	Ave		0.2730			0.0500	4.7		30.0			
Acenaphthylene	1.9874	1.8203	1.7374	1.6242	1.6738	Ave		1.7686			0.0500	8.1		30.0			
3-Nitroaniline	0.2778	0.2806	0.2756	0.2584	0.2478	Ave		0.2680			0.0500	5.3		30.0			
Acenaphthene	1.1409	1.0980	1.0437	0.9666	0.9493	Ave		1.0397			0.0500	7.9		30.0			
2,4-Dinitrophenol	0.0846	0.1245	0.1384	0.1412	0.1543	Ave		0.1286			0.0500	20.8		30.0			
4-Nitrophenol	0.1815	0.2095	0.2113	0.1971	0.1880	Ave		0.1975			0.0500	6.6		30.0			
Dibenzofuran	1.6109	1.5399	1.4327	1.3361	1.3456	Ave		1.4530			0.0500	8.3		30.0			
2,4-Dinitrotoluene	0.3177	0.3284	0.3241	0.3013	0.3079	Ave		0.3159			0.0500	3.6		30.0			
Diethyl phthalate	1.0846	1.0997	1.1056	1.0324	1.0653	Ave		1.0775			0.0500	2.8		30.0			
Fluorene	1.2839	1.2335	1.1707	1.0754	1.0692	Ave		1.1665			0.0500	8.1		30.0			
4-Chlorophenyl phenyl ether	0.6094	0.5779	0.5284	0.4894	0.4932	Ave		0.5396			0.0500	9.8		30.0			
4-Nitroaniline	0.2184	0.2289	0.2242	0.2011	0.2309	Ave		0.2207			0.0500	5.4		30.0			
4,6-Dinitro-2-methylphenol	0.1169	0.1415	0.1504	0.1518	0.1465	Ave		0.1414			0.0500	10.1		30.0			
N-Nitrosodiphenylamine	0.6111	0.6265	0.6140	0.6028	0.6128	Ave		0.6134			0.0500	1.4		30.0			
1,2-Diphenylhydrazine	1.0388	1.2627	1.1990	1.1170	1.1978	Ave		1.1631			0.0500	7.4		30.0			
4-Bromophenyl phenyl ether	0.2594	0.2525	0.2492	0.2404	0.2449	Ave		0.2493			0.0500	2.9		30.0			
Hexachlorobenzene	0.2705	0.2673	0.2544	0.2435	0.2459	Ave		0.2563			0.0500	4.8		30.0			
Atrazine	0.1977	0.2094	0.2116	0.1984	0.2034	Ave		0.2041			0.0500	3.1		30.0			
Pentachlorophenol	0.1012	0.1239	0.1264	0.1332	0.1386	Ave		0.1247			0.0500	11.5		30.0			
Phenanthrene	1.1891	1.1606	1.1178	1.0627	1.0825	Ave		1.1226			0.0500	4.7		30.0			
Anthracene	1.1765	1.1867	1.1420	1.0766	1.0879	Ave		1.1339			0.0500	4.4		30.0			
Carbazole	0.9267	0.9112	0.8852	0.8439	0.8593	Ave		0.8853			0.0500	3.9		30.0			
Di-n-butyl phthalate	1.0138	1.1546	1.1790	1.1294	1.1429	Ave		1.1240			0.0500	5.7		30.0			
Fluoranthene	0.8870	0.9376	0.9123	0.8711	0.8712	Ave		0.8958			0.0500	3.2		30.0			
Benzidine	0.0938	0.2026	0.0601	0.0326	0.0297	Ave		0.0838			0.0500	85.1	*	30.0			
Pyrene	1.9705	1.8580	1.8090	1.7653	1.8227	Ave		1.8451			0.0500	4.2		30.0			
Butyl benzyl phthalate	0.5860	0.6951	0.7259	0.7301	0.7640	Ave		0.7002			0.0500	9.8		30.0			

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 Edison Job No.: 460-47276-1 Analy Batch No.: 135597

SDG No.: _____

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2012 01:18 Calibration End Date: 11/13/2012 03:03 Calibration ID: 18682

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	LVL 4	LVL 5		B	M1	M2								
3,3'-Dichlorobenzidine	0.3447	0.3631	0.3077	0.2926	0.2760	Ave		0.3168			0.0500	11.4		30.0			
Benzo[a]anthracene	1.4040	1.1621	1.1724	1.1543	1.1949	Ave		1.2175			0.0500	8.7		30.0			
Chrysene	1.0895	1.1673	1.1826	1.1265	1.1326	Ave		1.1397			0.0500	3.2		30.0			
Bis(2-ethylhexyl) phthalate	0.6332	0.8194	0.8984	0.9189	0.9821	Ave		0.8504			0.0500	15.8		30.0			
Di-n-octyl phthalate	0.9688	1.5016	1.6968	1.7394	1.8024	Ave		1.5418			0.0500	22.0		30.0			
Benzo[b]fluoranthene	1.1075	1.1726	1.1638	1.1909	1.2043	Ave		1.1678			0.0500	3.2		30.0			
Benzo[k]fluoranthene	1.4287	1.3203	1.3775	1.2664	1.2858	Ave		1.3358			0.0500	5.0		30.0			
Benzo[a]pyrene	0.8976	0.9283	0.9744	0.9728	0.9936	Ave		0.9534			0.0500	4.1		30.0			
Indeno[1,2,3-cd]pyrene	0.6458	0.6896	0.7379	0.7706	0.8055	Ave		0.7299			0.0500	8.7		30.0			
Dibenz(a,h)anthracene	0.6254	0.7650	0.8039	0.8117	0.8405	Ave		0.7693			0.0500	11.0		30.0			
Benzo[g,h,i]perylene	0.6653	0.7695	0.8301	0.8282	0.8521	Ave		0.7890			0.0500	9.6		30.0			
2-Fluorophenol (Surr)	1.4478	1.4968	1.4366	1.4669	1.4379	Ave		1.4572			0.0500	1.7		30.0			
Phenol-d5 (Surr)	1.7969	1.7557	1.6659	1.6380	1.5769	Ave		1.6867			0.0500	5.3		30.0			
Nitrobenzene-d5 (Surr)	0.4184	0.4139	0.4133	0.3996	0.3997	Ave		0.4090			0.0500	2.1		30.0			
2-Fluorobiphenyl	1.4922	1.3976	1.3223	1.2759	1.3432	Ave		1.3662			0.0500	6.1		30.0			
2,4,6-Tribromophenol (Surr)	0.1411	0.1486	0.1462	0.1523	0.1494	Ave		0.1475			0.0500	2.8		30.0			
Terphenyl-d14 (Surr)	1.2844	1.2294	1.2070	1.2018	1.2807	Ave		1.2406			0.0500	3.2		30.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1 Analy Batch No.: 135597

SDG No.: _____

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2012 01:18 Calibration End Date: 11/13/2012 03:03 Calibration ID: 18682

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-135597/6	z14239.d
Level 2	IC 460-135597/5	z14238.d
Level 3	ICIS 460-135597/2	z14235.d
Level 4	IC 460-135597/4	z14237.d
Level 5	IC 460-135597/3	z14236.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
o-Toluidine	DCB	Ave	0	0	0	0	0	5.00	20.0	50.0	80.0	120
1,4-Dioxane	DCB	Ave	25261	95659	232829	351285	590915	5.00	20.0	50.0	80.0	120
N-Nitrosodimethylamine	DCB	Ave	36191	138881	348086	498151	816016	5.00	20.0	50.0	80.0	120
Pyridine	DCB	Ave	65770	243975	575723	851602	1401971	5.00	20.0	50.0	80.0	120
2,3,7,8-TCDD	CRY	Ave	++++	++++	637	++++	++++	++++	++++	0.500	++++	++++
Benzaldehyde	DCB	Ave	38660	113199	169692	164995	175285	5.00	20.0	50.0	80.0	120
Aniline	DCB	Ave	86101	307624	784564	1008071	1098978	5.00	20.0	50.0	80.0	120
Phenol	DCB	Ave	80657	287923	693842	915273	1420596	5.00	20.0	50.0	80.0	120
Bis(2-chloroethyl)ether	DCB	Ave	6097	217166	555225	791085	1728018	0.500	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	60569	222911	550977	751363	1118984	5.00	20.0	50.0	80.0	120
n-Decane	DCB	Ave	76967	262091	562672	773646	1087530	5.00	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	66751	248546	615142	853947	1344703	5.00	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	67496	247466	598703	843848	1311562	5.00	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	32314	127142	292691	420998	653291	5.00	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	63033	231858	559699	773234	1203815	5.00	20.0	50.0	80.0	120
2,2'-oxybis[1-chloropropane]	DCB	Ave	82844	292591	681835	879706	1334417	5.00	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	49363	178055	432947	595326	894808	5.00	20.0	50.0	80.0	120
Acetophenone	DCB	Ave	69763	271306	651488	867784	1204176	5.00	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	3771	145631	359628	496144	737793	0.500	20.0	50.0	80.0	120
3 & 4 Methylphenol	DCB	Ave	50867	183018	433342	587696	881608	5.00	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	50867	183018	433342	587696	881608	5.00	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	2411	96529	240452	334650	502626	0.500	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	8154	297671	716540	923184	1318527	0.500	20.0	50.0	80.0	120
n,n'-Dimethylaniline	DCB	Ave	7606	299389	730312	965242	1427924	0.500	20.0	50.0	80.0	120
Isophorone	NPT	Ave	92283	337677	893275	1197794	1822327	5.00	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Ave	28442	110671	286551	399107	601506	5.00	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	47033	169495	409054	561687	827236	5.00	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	59138	220872	566898	757794	1147952	5.00	20.0	50.0	80.0	120
2,4-Dichlorophenol	NPT	Ave	41581	153075	368538	495358	713181	5.00	20.0	50.0	80.0	120
1,2,4-Trichlorobenzene	NPT	Ave	4865	174360	427172	587254	895149	0.500	20.0	50.0	80.0	120
Naphthalene	NPT	Ave	157792	573006	1415635	1887559	2809601	5.00	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	57209	211700	533140	690433	988208	5.00	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	5448	99329	238475	321447	497619	1.00	20.0	50.0	80.0	120
Caprolactam	NPT	Ave	9847	42467	109061	156445	217203	5.00	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1 Analy Batch No.: 135597

SDG No.: _____

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2012 01:18 Calibration End Date: 11/13/2012 03:03 Calibration ID: 18682

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	37895	139725	360008	469096	681938	5.00	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	91508	343258	860764	1139681	1724820	5.00	20.0	50.0	80.0	120
1-Methylnaphthalene	NPT	Ave	99252	348447	870485	1166658	1783043	5.00	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Ave	17057	65221	183052	260864	417309	5.00	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	25845	92960	234060	318112	468909	5.00	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Ave	27008	96665	247147	328857	450456	5.00	20.0	50.0	80.0	120
1,1'-Biphenyl	ANT	Ave	105936	393968	950303	1230918	1828814	5.00	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	81846	299623	731784	960884	1392916	5.00	20.0	50.0	80.0	120
Phenyl ether	ANT	Ave	57662	209421	520205	687853	1032279	5.00	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Ave	52011	89857	231144	308285	418717	10.0	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	78547	289755	728435	941096	1416452	5.00	20.0	50.0	80.0	120
Coumarin	NPT	Ave	27044	96444	248926	326650	501142	5.00	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Ave	3249	67917	178173	235595	356163	1.00	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	127551	438734	1088965	1428223	2146702	5.00	20.0	50.0	80.0	120
3-Nitroaniline	ANT	Ave	35658	67623	172733	227192	317831	10.0	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	73223	264640	654181	849954	1217489	5.00	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Ave	16284	45002	86766	124123	197875	15.0	30.0	50.0	80.0	120
4-Nitrophenol	ANT	Ave	34954	75739	132433	173328	241082	15.0	30.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	103384	371149	898017	1174867	1725804	5.00	20.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Ave	4078	79162	203112	264960	394871	1.00	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	69606	265038	692992	907800	1366304	5.00	20.0	50.0	80.0	120
Fluorene	ANT	Ave	82397	297301	733794	945587	1371353	5.00	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	39108	139279	331204	430374	632502	5.00	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Ave	28037	55180	140508	176821	296119	10.0	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Ave	27395	61843	114404	158011	223117	15.0	30.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	47732	182532	466919	627400	933207	5.00	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	PHN	Ave	81134	367933	911844	1162509	1824094	5.00	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	20264	73576	189533	250206	372951	5.00	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	2113	77889	193450	253434	374527	0.500	20.0	50.0	80.0	120
Atrazine	PHN	Ave	15442	61026	160902	206463	309798	5.00	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Ave	23705	54149	96131	138653	211064	15.0	30.0	50.0	80.0	120
Phenanthrene	PHN	Ave	92878	338174	850077	1106051	1648410	5.00	20.0	50.0	80.0	120
Anthracene	PHN	Ave	91891	345785	868464	1120457	1656660	5.00	20.0	50.0	80.0	120
Carbazole	PHN	Ave	72377	265505	673213	878301	1308604	5.00	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	79181	336434	896640	1175480	1740410	5.00	20.0	50.0	80.0	120
Fluoranthene	PHN	Ave	69281	273199	693757	906641	1326725	5.00	20.0	50.0	80.0	120
Benzidine	PHN	Ave	14646	88551	45719	33939	45273	10.0	30.0	50.0	80.0	120
Pyrene	CRY	Ave	69180	267409	676447	878522	1287993	5.00	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	20572	100045	271425	363332	539910	5.00	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Ave	24203	78388	115045	145606	195056	10.0	30.0	50.0	80.0	120
Benzo[a]anthracene	CRY	Ave	4929	167261	438403	574440	844350	0.500	20.0	50.0	80.0	120
Chrysene	CRY	Ave	38250	168004	442197	560613	800359	5.00	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	22229	117932	335943	457294	693982	5.00	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1 Analy Batch No.: 135597

SDG No.: _____

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2012 01:18 Calibration End Date: 11/13/2012 03:03 Calibration ID: 18682

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Di-n-octyl phthalate	PRY	Ave	23312	148784	443335	616337	928370	5.00	20.0	50.0	80.0	120
Benzo[b]fluoranthene	PRY	Ave	2665	116187	304093	422004	620312	0.500	20.0	50.0	80.0	120
Benzo[k]fluoranthene	PRY	Ave	3438	130822	359927	448762	662256	0.500	20.0	50.0	80.0	120
Benzo[a]pyrene	PRY	Ave	2160	91986	254605	344694	511765	0.500	20.0	50.0	80.0	120
Indeno[1,2,3-cd]pyrene	PRY	Ave	1554	68332	192791	273044	414868	0.500	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Ave	1505	75799	210046	287632	432933	0.500	20.0	50.0	80.0	120
Benzo[g,h,i]perylene	PRY	Ave	16010	76243	216891	293456	438891	5.00	20.0	50.0	80.0	120
2-Fluorophenol (Surr)	DCB	Ave	54984	216837	525297	786845	1183551	5.00	20.0	50.0	80.0	120
Phenol-d5 (Surr)	DCB	Ave	68241	254345	609130	878622	1297911	5.00	20.0	50.0	80.0	120
Nitrobenzene-d5 (Surr)	NPT	Ave	58080	216835	558530	770779	1148598	5.00	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	95767	336856	828789	1121926	1722786	5.00	20.0	50.0	80.0	120
2,4,6-Tribromophenol (Surr)	ANT	Ave	9056	35824	91660	133882	191623	5.00	20.0	50.0	80.0	120
Terphenyl-d14 (Surr)	CRY	Ave	45092	176934	451344	598104	904981	5.00	20.0	50.0	80.0	120

Curve Type Legend:

Ave = Average ISTD

Data File: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14235.d
 Report Date: 14-Nov-2012 12:07

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14235.d
 Lab Smp Id: ICIS-1785657
 Inj Date : 13-NOV-2012 01:18
 Operator : BNAMS 4
 Smp Info : ICIS-1785657
 Misc Info : 50 ppm bna 4710
 Comment :
 Method : /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/8270Cdel_08.m
 Meth Date : 14-Nov-2012 12:07 croccom
 Cal Date : 13-NOV-2012 01:18
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS11.i

Quant Type: ISTD

Cal File: z14235.d

Calibration Sample, Level: 3

Compound Sublist: all.sub

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane		88	1.303	1.303	(0.339)	232829	50.0000	48
19 N-Nitrosodimethylamine		74	1.508	1.508	(0.392)	348086	50.0000	50
71 Pyridine		79	1.526	1.526	(0.397)	575723	50.0000	48
\$ 16 2-Fluorophenol (SUR)		112	2.591	2.591	(0.674)	525297	50.0000	49
110 Benzaldehyde		77	3.391	3.391	(0.882)	169692	50.0000	42
\$ 17 Phenol-d5 (SUR)		99	3.520	3.520	(0.916)	609130	50.0000	49
73 Aniline		93	3.508	3.508	(0.913)	784564	50.0000	55
1 Phenol		94	3.532	3.532	(0.919)	693842	50.0000	50
20 bis(2-Chloroethyl)ether		93	3.585	3.585	(0.933)	555225	50.0000	46
2 2-Chlorophenol		128	3.644	3.644	(0.948)	550977	50.0000	51
113 n-decane		43	3.696	3.696	(0.962)	562672	50.0000	47
21 1,3-Dichlorobenzene		146	3.785	3.785	(0.985)	615142	50.0000	50
* 79 1,4-Dichlorobenzene-d4		152	3.844	3.844	(1.000)	292521	40.0000	
22 1,4-Dichlorobenzene		146	3.861	3.861	(1.005)	598703	50.0000	49
74 Benzyl Alcohol		108	4.002	4.002	(1.041)	292691	50.0000	49

Data File: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14235.d
Report Date: 14-Nov-2012 12:07

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	4.008	4.008	(1.043)	559699	50.0000	50
3 2-Methylphenol	108	4.138	4.138	(1.077)	432947	50.0000	50
24 bis (2-chloroisopropyl) ether	45	4.132	4.132	(1.075)	681835	50.0000	50
104 Acetophenone	105	4.267	4.267	(1.110)	651488	50.0000	52
4 4-Methylphenol	108	4.302	4.302	(1.119)	433342	50.0000	50
121 3 & 4 Methylphenol	108	4.302	4.302	(1.119)	433342	50.0000	50
25 N-Nitroso-di-n-propylamine	70	4.279	4.279	(1.113)	359628	50.0000	51
26 Hexachloroethane	117	4.349	4.349	(1.132)	240452	50.0000	51
\$ 76 Nitrobenzene-d5 (SUR)	82	4.414	4.414	(0.860)	558530	50.0000	50
27 Nitrobenzene	77	4.438	4.438	(0.865)	716540	50.0000	50
107 N,N-Dimethylaniline	120	4.438	4.438	(1.155)	730312	50.0000	52
28 Isophorone	82	4.679	4.679	(0.912)	893275	50.0000	51
5 2-Nitrophenol	139	4.749	4.749	(0.925)	286551	50.0000	51
6 2,4-Dimethylphenol	122	4.832	4.832	(0.942)	409054	50.0000	49
29 bis(2-Chloroethoxy)methane	93	4.908	4.908	(0.956)	566898	50.0000	51
7 2,4-Dichlorophenol	162	5.014	5.014	(0.977)	368538	50.0000	50
30 1,2,4-Trichlorobenzene	180	5.079	5.079	(0.990)	427172	50.0000	49
* 80 Naphthalene-d8	136	5.132	5.132	(1.000)	1081114	40.0000	
31 Naphthalene	128	5.155	5.155	(1.005)	1415635	50.0000	50
32 4-Chloroaniline	127	5.220	5.220	(1.017)	533140	50.0000	52
33 Hexachlorobutadiene	225	5.290	5.290	(1.031)	238475	50.0000	49
111 Caprolactam	113	5.614	5.614	(1.094)	109061	50.0000	52
8 4-Chloro-3-methylphenol	107	5.749	5.749	(1.120)	360008	50.0000	52
34 2-Methylnaphthalene	142	5.849	5.849	(1.140)	860764	50.0000	51
120 1-Methylnaphthalene	142	5.949	5.949	(1.159)	870485	50.0000	50
35 Hexachlorocyclopentadiene	237	6.020	6.020	(0.875)	183052	50.0000	50
9 2,4,6-Trichlorophenol	196	6.149	6.149	(0.894)	234060	50.0000	49
10 2,4,5-Trichlorophenol	196	6.196	6.196	(0.901)	247147	50.0000	51
\$ 77 2-Fluorobiphenyl (SUR)	172	6.226	6.226	(0.905)	828789	50.0000	48
102 Diphenyl	154	6.320	6.320	(0.919)	950303	50.0000	50
36 2-Chloronaphthalene	162	6.332	6.332	(0.920)	731784	50.0000	50
103 Diphenyl Ether	170	6.426	6.426	(0.934)	520205	50.0000	50
37 2-Nitroaniline	65	6.449	6.449	(0.938)	231144	50.0000	50
38 Dimethylphthalate	163	6.637	6.637	(0.965)	728435	50.0000	50
114 Coumarin	146	6.643	6.643	(1.295)	248926	50.0000	51
40 2,6-Dinitrotoluene	165	6.690	6.690	(0.973)	178173	50.0000	52
39 Acenaphthylene	152	6.737	6.737	(0.979)	1088965	50.0000	49
41 3-Nitroaniline	138	6.855	6.855	(0.997)	172733	50.0000	51
* 82 Acenaphthene-d10	164	6.879	6.879	(1.000)	501429	40.0000	
42 Acenaphthene	154	6.914	6.914	(1.005)	654181	50.0000	50
11 2,4-Dinitrophenol	184	6.961	6.961	(1.012)	86766	50.0000	54
12 4-Nitrophenol	65	7.067	7.067	(1.027)	132433	50.0000	53
43 Dibenzofuran	168	7.079	7.079	(1.029)	898017	50.0000	49
44 2,4-Dinitrotoluene	165	7.085	7.085	(1.030)	203112	50.0000	51
45 Diethylphthalate	149	7.332	7.332	(1.066)	692992	50.0000	51
47 Fluorene	166	7.414	7.414	(1.078)	733794	50.0000	50
46 4-Chlorophenyl-phenylether	204	7.426	7.426	(1.080)	331204	50.0000	49

Data File: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14235.d
 Report Date: 14-Nov-2012 12:07

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	7.455	7.455	(1.084)	140508	50.0000	51
13 4,6-Dinitro-2-methylphenol	198	7.484	7.484	(0.899)	114404	50.0000	53
49 N-Nitrosodiphenylamine	169	7.543	7.543	(0.906)	466919	50.0000	50
75 1,2-Diphenylhydrazine	77	7.579	7.579	(0.910)	911844	50.0000	52
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.655	7.655	(1.113)	91660	50.0000	50
50 4-Bromophenyl-phenylether	248	7.896	7.896	(0.948)	189533	50.0000	50
51 Hexachlorobenzene	284	7.961	7.961	(0.956)	193450	50.0000	50
112 Atrazine	200	8.084	8.084	(0.971)	160902	50.0000	52
14 Pentachlorophenol	266	8.161	8.161	(0.980)	96131	50.0000	51
* 83 Phenanthrene-d10	188	8.326	8.326	(1.000)	608386	40.0000	
52 Phenanthrene	178	8.349	8.349	(1.003)	850077	50.0000	50
53 Anthracene	178	8.402	8.402	(1.009)	868464	50.0000	50
54 Carbazole	167	8.567	8.567	(1.029)	673213	50.0000	50
55 Di-n-butylphthalate	149	8.920	8.920	(1.071)	896640	50.0000	52
56 Fluoranthene	202	9.508	9.508	(1.142)	693757	50.0000	51
58 Benzidine	184	9.649	9.649	(1.159)	45719	50.0000	36
57 Pyrene	202	9.726	9.726	(0.886)	676447	50.0000	49
\$ 78 Terphenyl-d14	244	9.890	9.890	(0.901)	451344	50.0000	49
59 Butylbenzylphthalate	149	10.384	10.384	(0.946)	271425	50.0000	52
109 2,3,7,8-TCDD (Screen)	320	10.473	10.473	(0.954)	637	0.50000	0.50
60 3,3'-Dichlorobenzidine	252	10.943	10.943	(0.997)	115045	50.0000	48
61 Benzo(a)anthracene	228	10.961	10.961	(0.999)	438403	50.0000	48
* 81 Chrysene-d12	240	10.972	10.972	(1.000)	299146	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	11.031	11.031	(1.005)	335943	50.0000	53
62 Chrysene	228	11.002	11.002	(1.003)	442197	50.0000	52
64 Di-n-octylphthalate	149	11.819	11.819	(0.928)	443335	50.0000	55
65 Benzo(b)fluoranthene	252	12.261	12.261	(0.962)	304093	50.0000	50
66 Benzo(k)fluoranthene	252	12.290	12.290	(0.964)	359927	50.0000	52
67 Benzo(a)pyrene	252	12.666	12.666	(0.994)	254605	50.0000	51
* 84 Perylene-d12	264	12.743	12.743	(1.000)	209026	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.119	14.119	(1.108)	192791	50.0000	50(M)
69 Dibenz(a,h)anthracene	278	14.149	14.149	(1.110)	210046	50.0000	52
70 Benzo(g,h,i)perylene	276	14.466	14.466	(1.135)	216891	50.0000	53

QC Flag Legend

M - Compound response manually integrated.

Data File: z14235.d

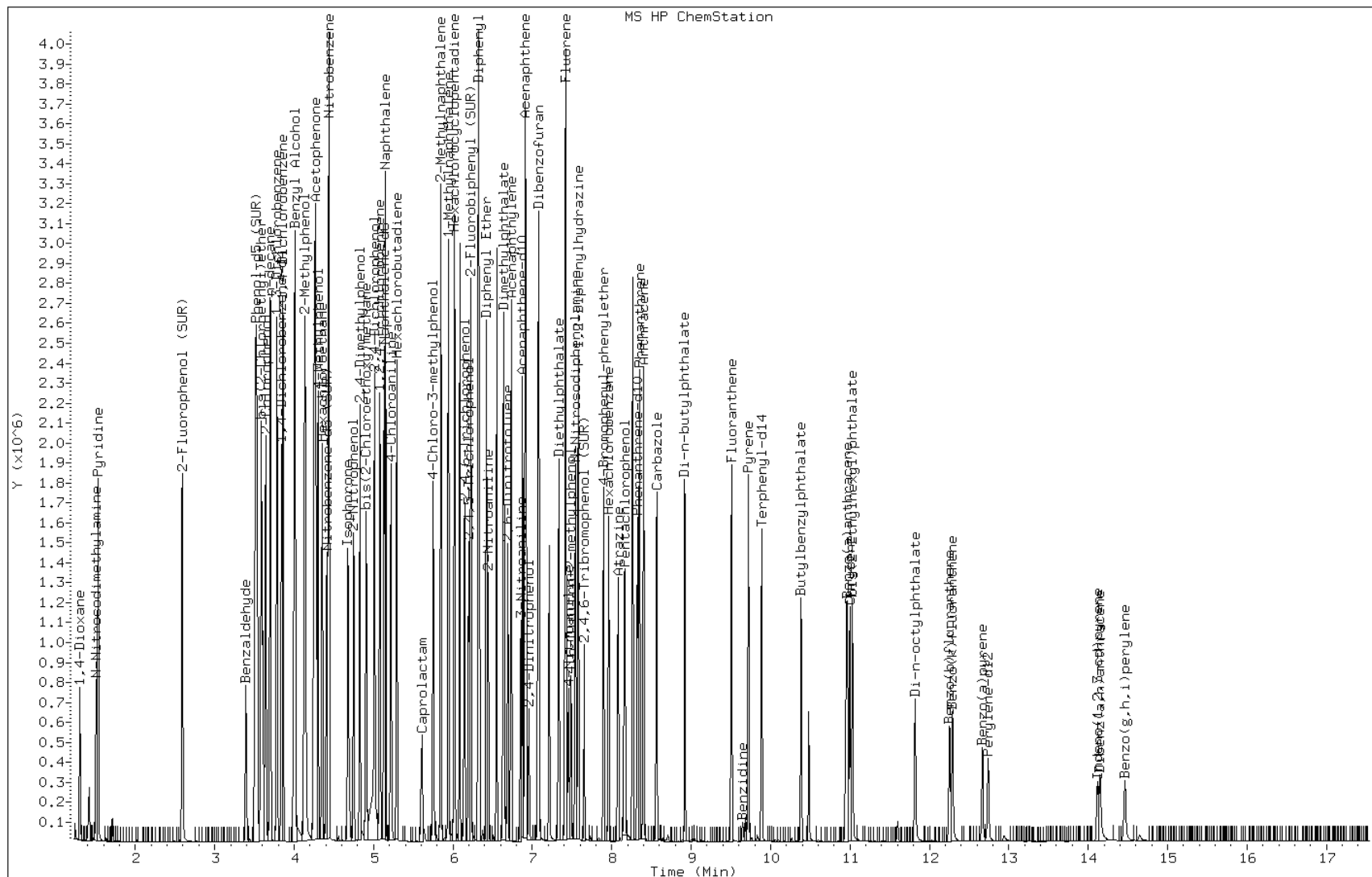
Date: 13-NOV-2012 01:18

Client ID:

Instrument: BNAMS11.i

Sample Info: ICIS-1785657

Operator: BNAMS 4

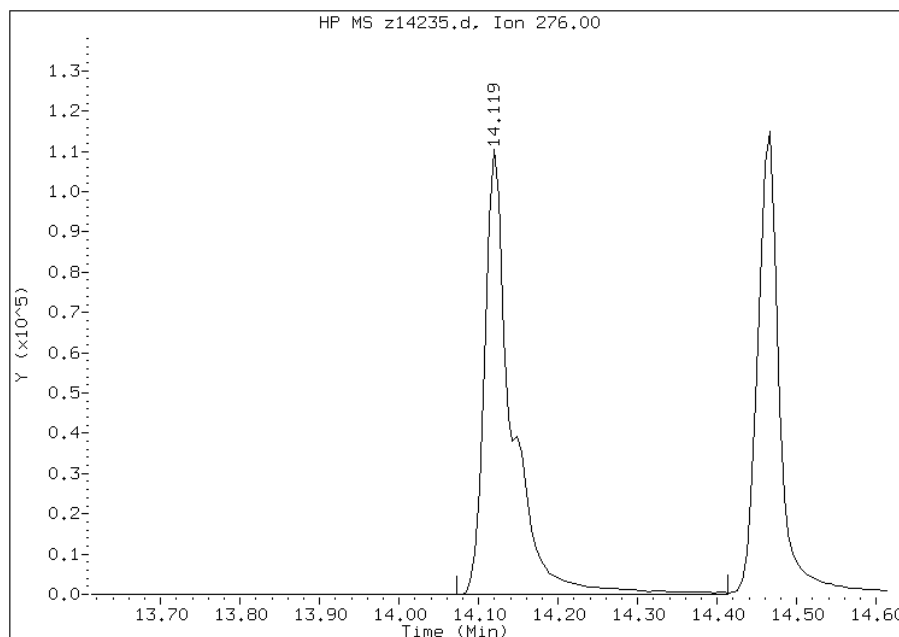


Manual Integration Report

Data File: z14235.d
Inj. Date and Time: 13-NOV-2012 01:18
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 11/14/2012

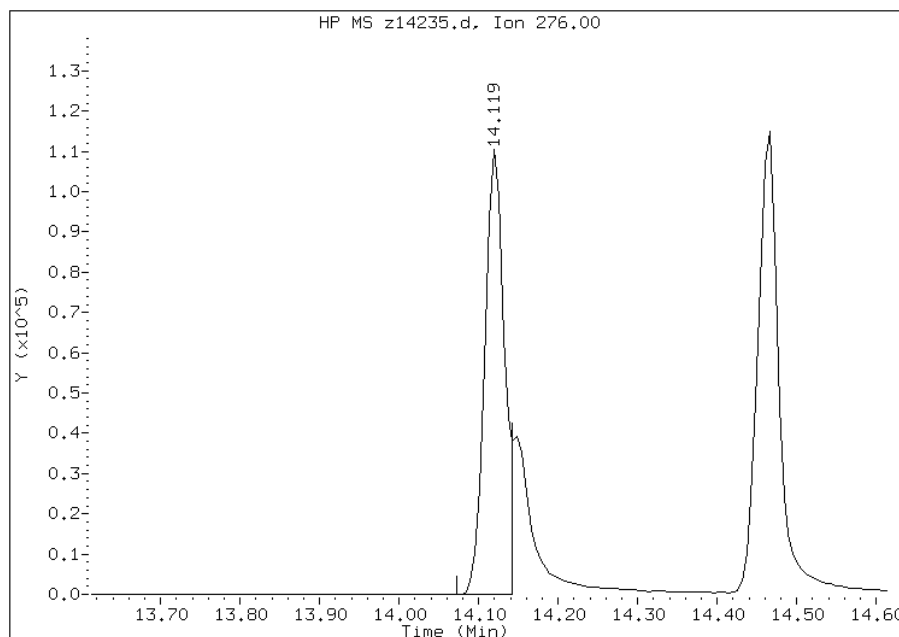
Processing Integration Results

RT: 14.12
Response: 262620
Amount: 50
Conc: 50



Manual Integration Results

RT: 14.12
Response: 192791
Amount: 51
Conc: 51



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14236.d
 Report Date: 14-Nov-2012 12:07

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14236.d
 Lab Smp Id: IC-1785661
 Inj Date : 13-NOV-2012 01:50
 Operator : BNAMS 4
 Smp Info : IC-1785661
 Misc Info : 120 ppm bna 4710
 Comment :
 Method : /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/8270Cdel_08.m
 Meth Date : 14-Nov-2012 12:07 croccom Quant Type: ISTD
 Cal Date : 13-NOV-2012 01:18 Cal File: z14235.d
 Als bottle: 3 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	=====	==	=====	=====	=====	=====	=====
106 1,4-Dioxane	88		1.420	1.420	(0.369)	590915	120.000	130(AMH)
19 N-Nitrosodimethylamine	74		1.650	1.650	(0.429)	816016	120.000	120(AM)
71 Pyridine	79		1.667	1.667	(0.433)	1401971	120.000	120(AMH)
\$ 16 2-Fluorophenol (SUR)	112		2.655	2.655	(0.690)	1183551	120.000	120
110 Benzaldehyde	77		3.414	3.414	(0.887)	175285	120.000	46
\$ 17 Phenol-d5 (SUR)	99		3.538	3.538	(0.919)	1297911	120.000	110
73 Aniline	93		3.532	3.532	(0.917)	1098978	120.000	82
1 Phenol	94		3.555	3.555	(0.924)	1420596	120.000	110(M)
20 bis(2-Chloroethyl)ether	93		3.614	3.614	(0.939)	1728018	120.000	150(A)
2 2-Chlorophenol	128		3.673	3.673	(0.954)	1118984	120.000	110
113 n-decane	43		3.708	3.708	(0.963)	1087530	120.000	97
21 1,3-Dichlorobenzene	146		3.802	3.802	(0.988)	1344703	120.000	120
* 79 1,4-Dichlorobenzene-d4	152		3.849	3.849	(1.000)	274365	40.0000	
22 1,4-Dichlorobenzene	146		3.873	3.873	(1.006)	1311562	120.000	120
74 Benzyl Alcohol	108		4.014	4.014	(1.043)	653291	120.000	120(M)

Data File: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14236.d
Report Date: 14-Nov-2012 12:07

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	4.020	4.020	(1.044)	1203815	120.000	110
3 2-Methylphenol	108	4.149	4.149	(1.078)	894808	120.000	110
24 bis (2-chloroisopropyl) ether	45	4.138	4.138	(1.075)	1334417	120.000	100
104 Acetophenone	105	4.285	4.285	(1.113)	1204176	120.000	100(M)
4 4-Methylphenol	108	4.326	4.326	(1.124)	881608	120.000	110
121 3 & 4 Methylphenol	108	4.326	4.326	(1.124)	881608	120.000	110
25 N-Nitroso-di-n-propylamine	70	4.296	4.296	(1.116)	737793	120.000	110(M)
26 Hexachloroethane	117	4.355	4.355	(1.131)	502626	120.000	110
\$ 76 Nitrobenzene-d5 (SUR)	82	4.426	4.426	(0.861)	1148598	120.000	120
27 Nitrobenzene	77	4.455	4.455	(0.867)	1318527	120.000	100
107 N,N-Dimethylaniline	120	4.455	4.455	(1.157)	1427924	120.000	110
28 Isophorone	82	4.702	4.702	(0.915)	1822327	120.000	120
5 2-Nitrophenol	139	4.761	4.761	(0.927)	601506	120.000	120(A)
6 2,4-Dimethylphenol	122	4.844	4.844	(0.943)	827236	120.000	110
29 bis(2-Chloroethoxy)methane	93	4.920	4.920	(0.958)	1147952	120.000	120
7 2,4-Dichlorophenol	162	5.026	5.026	(0.978)	713181	120.000	110
30 1,2,4-Trichlorobenzene	180	5.085	5.085	(0.990)	895149	120.000	120
* 80 Naphthalene-d8	136	5.138	5.138	(1.000)	957942	40.0000	
31 Naphthalene	128	5.161	5.161	(1.005)	2809601	120.000	110
32 4-Chloroaniline	127	5.226	5.226	(1.017)	988208	120.000	110
33 Hexachlorobutadiene	225	5.291	5.291	(1.030)	497619	120.000	120
111 Caprolactam	113	5.673	5.673	(1.104)	217203	120.000	120(H)
8 4-Chloro-3-methylphenol	107	5.761	5.761	(1.121)	681938	120.000	110
34 2-Methylnaphthalene	142	5.855	5.855	(1.140)	1724820	120.000	110
120 1-Methylnaphthalene	142	5.955	5.955	(1.159)	1783043	120.000	110
35 Hexachlorocyclopentadiene	237	6.020	6.020	(0.874)	417309	120.000	130(A)
9 2,4,6-Trichlorophenol	196	6.155	6.155	(0.894)	468909	120.000	120
10 2,4,5-Trichlorophenol	196	6.214	6.214	(0.903)	450456	120.000	110
\$ 77 2-Fluorobiphenyl (SUR)	172	6.232	6.232	(0.905)	1722786	120.000	120
102 Diphenyl	154	6.326	6.326	(0.919)	1828814	120.000	110
36 2-Chloronaphthalene	162	6.338	6.338	(0.921)	1392916	120.000	110
103 Diphenyl Ether	170	6.432	6.432	(0.934)	1032279	120.000	120
37 2-Nitroaniline	65	6.455	6.455	(0.938)	418717	120.000	110
38 Dimethylphthalate	163	6.649	6.649	(0.966)	1416452	120.000	110
114 Coumarin	146	6.661	6.661	(1.297)	501142	120.000	120
40 2,6-Dinitrotoluene	165	6.702	6.702	(0.974)	356163	120.000	120(A)
39 Acenaphthylene	152	6.743	6.743	(0.979)	2146702	120.000	110
41 3-Nitroaniline	138	6.867	6.867	(0.997)	317831	120.000	110
* 82 Acenaphthene-d10	164	6.885	6.885	(1.000)	427522	40.0000	
42 Acenaphthene	154	6.920	6.920	(1.005)	1217489	120.000	110
11 2,4-Dinitrophenol	184	6.973	6.973	(1.013)	197875	120.000	140(A)
12 4-Nitrophenol	65	7.079	7.079	(1.028)	241082	120.000	110
43 Dibenzofuran	168	7.090	7.090	(1.030)	1725804	120.000	110
44 2,4-Dinitrotoluene	165	7.096	7.096	(1.031)	394871	120.000	120
45 Diethylphthalate	149	7.343	7.343	(1.067)	1366304	120.000	120
47 Fluorene	166	7.426	7.426	(1.079)	1371353	120.000	110
46 4-Chlorophenyl-phenylether	204	7.432	7.432	(1.079)	632502	120.000	110

Data File: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14236.d
Report Date: 14-Nov-2012 12:07

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	7.479	7.479	(1.086)	296119	120.000	120(A)
13 4,6-Dinitro-2-methylphenol	198	7.502	7.502	(0.900)	223117	120.000	120(A)
49 N-Nitrosodiphenylamine	169	7.555	7.555	(0.907)	933207	120.000	120
75 1,2-Diphenylhydrazine	77	7.590	7.590	(0.911)	1824094	120.000	120(A)
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.661	7.661	(1.113)	191623	120.000	120(A)
50 4-Bromophenyl-phenylether	248	7.902	7.902	(0.948)	372951	120.000	120
51 Hexachlorobenzene	284	7.967	7.967	(0.956)	374527	120.000	120
112 Atrazine	200	8.096	8.096	(0.972)	309798	120.000	120
14 Pentachlorophenol	266	8.167	8.167	(0.980)	211064	120.000	130(A)
* 83 Phenanthrene-d10	188	8.332	8.332	(1.000)	507606	40.0000	
52 Phenanthrene	178	8.361	8.361	(1.004)	1648410	120.000	120
53 Anthracene	178	8.408	8.408	(1.009)	1656660	120.000	120
54 Carbazole	167	8.573	8.573	(1.029)	1308604	120.000	120
55 Di-n-butylphthalate	149	8.931	8.931	(1.072)	1740410	120.000	120(A)
56 Fluoranthene	202	9.514	9.514	(1.142)	1326725	120.000	120
58 Benzidine	184	9.649	9.649	(1.158)	45273	120.000	42
57 Pyrene	202	9.731	9.731	(0.886)	1287993	120.000	120
\$ 78 Terphenyl-d14	244	9.896	9.896	(0.901)	904981	120.000	120(A)
59 Butylbenzylphthalate	149	10.396	10.396	(0.947)	539910	120.000	130(A)
60 3,3'-Dichlorobenzidine	252	10.949	10.949	(0.997)	195056	120.000	100(A)
61 Benzo(a)anthracene	228	10.967	10.967	(0.999)	844350	120.000	120
* 81 Chrysene-d12	240	10.978	10.978	(1.000)	235551	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	11.037	11.037	(1.005)	693982	120.000	140(A)
62 Chrysene	228	11.014	11.014	(1.003)	800359	120.000	120
64 Di-n-octylphthalate	149	11.825	11.825	(0.928)	928370	120.000	140(A)
65 Benzo(b)fluoranthene	252	12.267	12.267	(0.963)	620312	120.000	120(A)
66 Benzo(k)fluoranthene	252	12.302	12.302	(0.965)	662256	120.000	120
67 Benzo(a)pyrene	252	12.678	12.678	(0.995)	511765	120.000	120(A)
* 84 Perylene-d12	264	12.743	12.743	(1.000)	171687	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.131	14.131	(1.109)	414868	120.000	130(AM)
69 Dibenz(a,h)anthracene	278	14.161	14.161	(1.111)	432933	120.000	130(A)
70 Benzo(g,h,i)perylene	276	14.478	14.478	(1.136)	438891	120.000	130(A)

QC Flag Legend

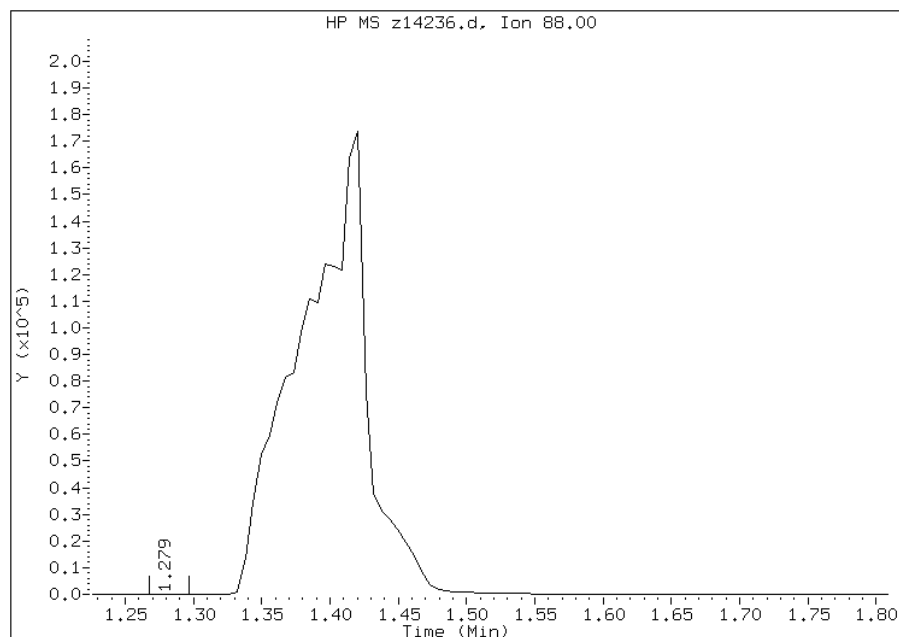
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Manual Integration Report

Data File: z14236.d
Inj. Date and Time: 13-NOV-2012 01:50
Instrument ID: BNAMS11.i
Client ID:
Compound: 106 1,4-Dioxane
CAS #: 123-91-1
Report Date: 11/14/2012

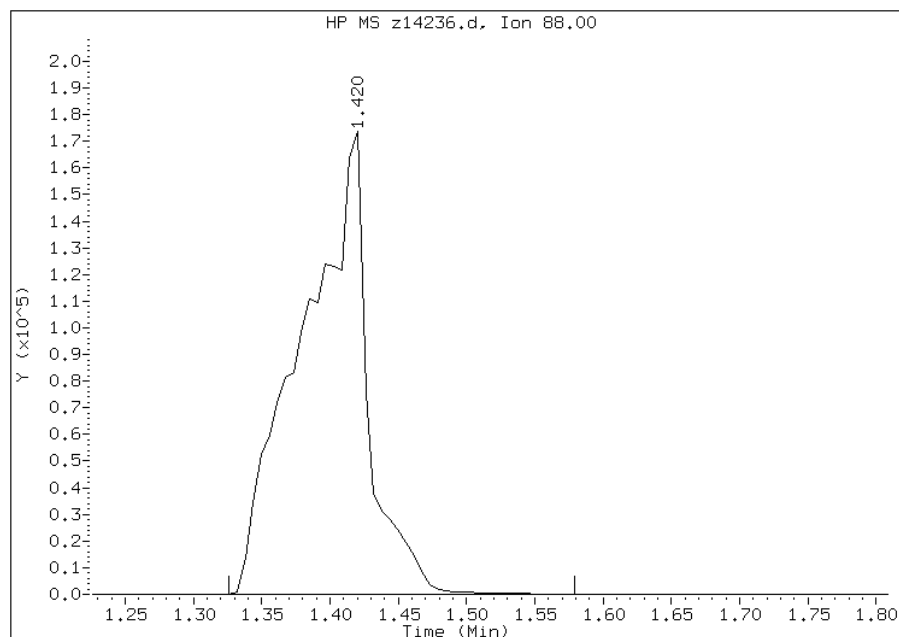
Processing Integration Results

RT: 1.28
Response: 88
Amount: 0
Conc: 0



Manual Integration Results

RT: 1.42
Response: 590915
Amount: 129
Conc: 129



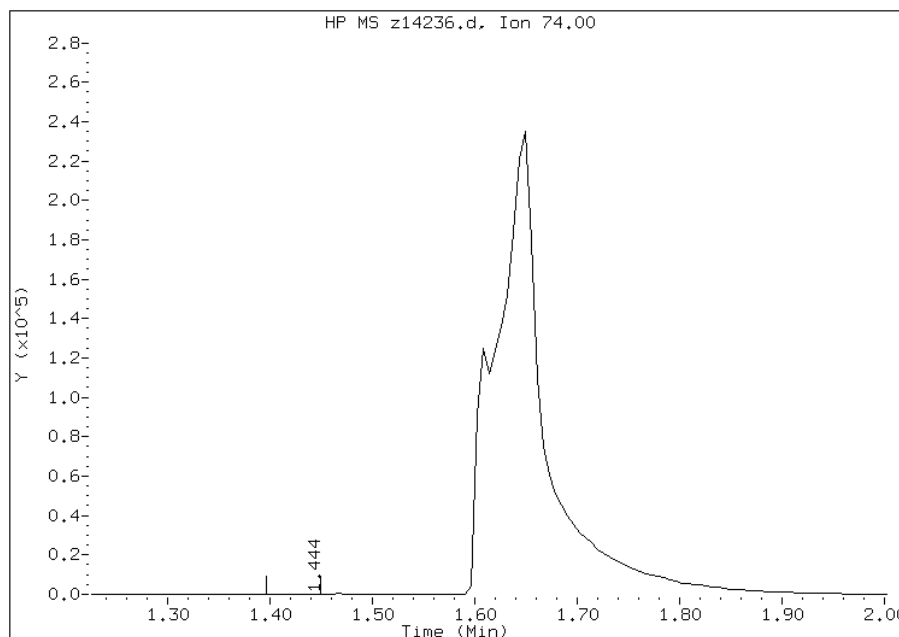
Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: z14236.d
Inj. Date and Time: 13-NOV-2012 01:50
Instrument ID: BNAMS11.i
Client ID:
Compound: 19 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 11/14/2012

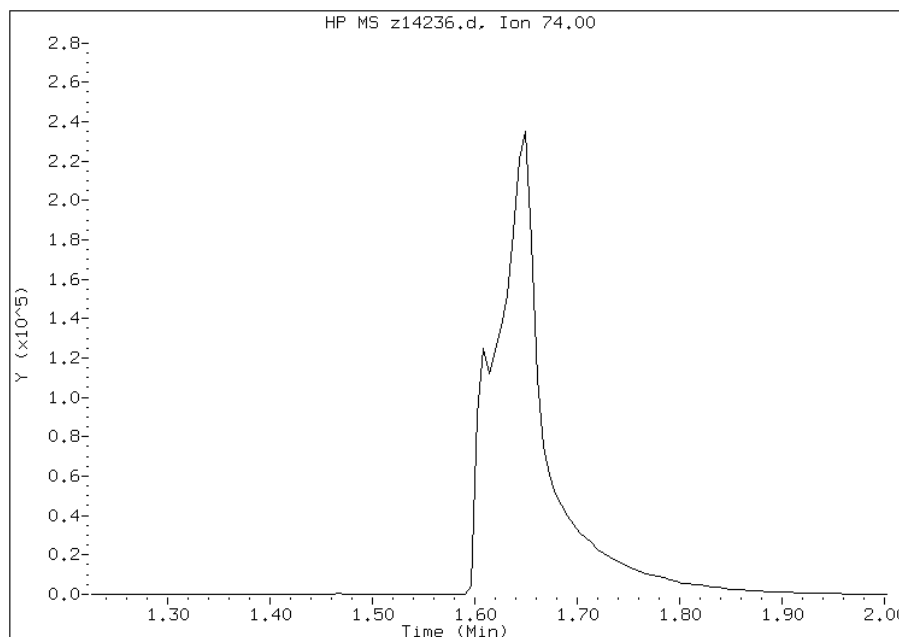
Processing Integration Results

RT: 1.44
Response: 492
Amount: 0
Conc: 0



Manual Integration Results

RT: 1.65
Response: 816016
Amount: 124
Conc: 124



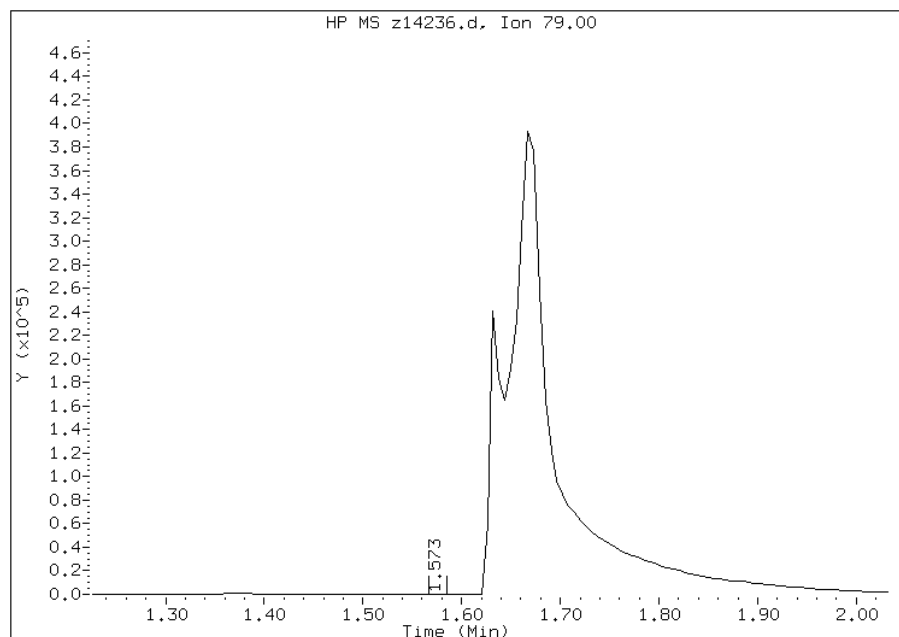
Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: z14236.d
Inj. Date and Time: 13-NOV-2012 01:50
Instrument ID: BNAMS11.i
Client ID:
Compound: 71 Pyridine
CAS #: 110-86-1
Report Date: 11/14/2012

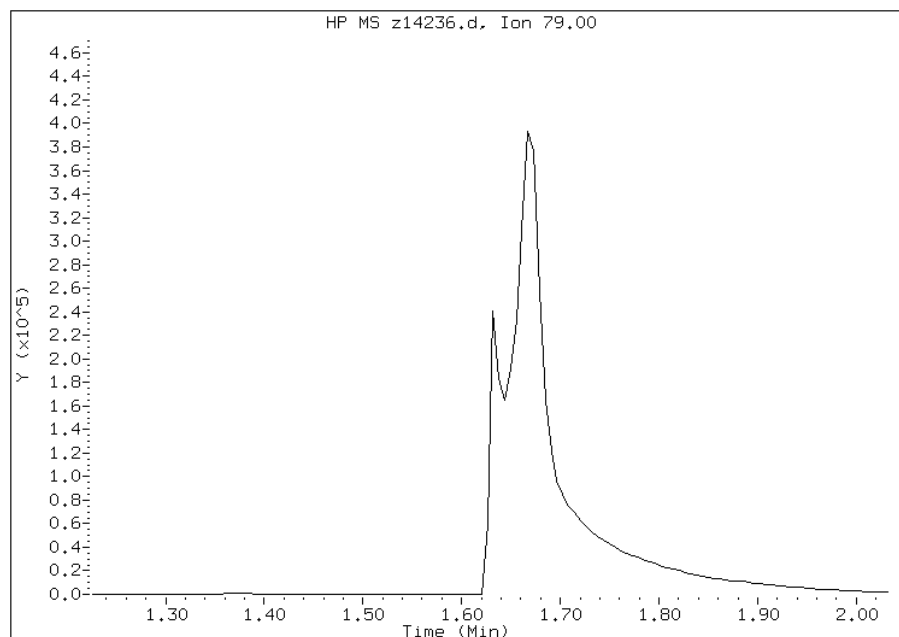
Processing Integration Results

RT: 1.57
Response: 89
Amount: 0
Conc: 0



Manual Integration Results

RT: 1.67
Response: 1401971
Amount: 123
Conc: 123



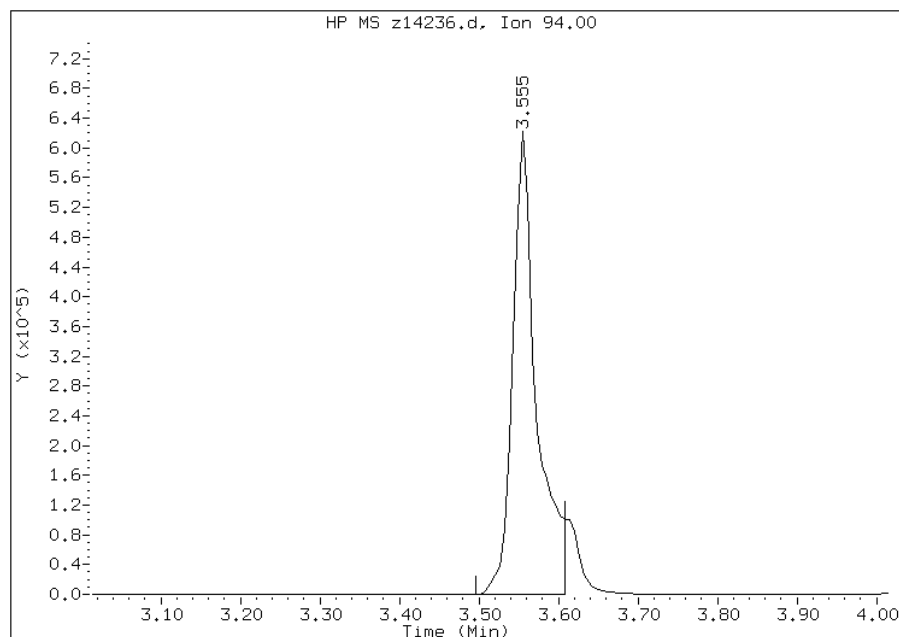
Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: z14236.d
Inj. Date and Time: 13-NOV-2012 01:50
Instrument ID: BNAMS11.i
Client ID:
Compound: 1 Phenol
CAS #: 108-95-2
Report Date: 11/14/2012

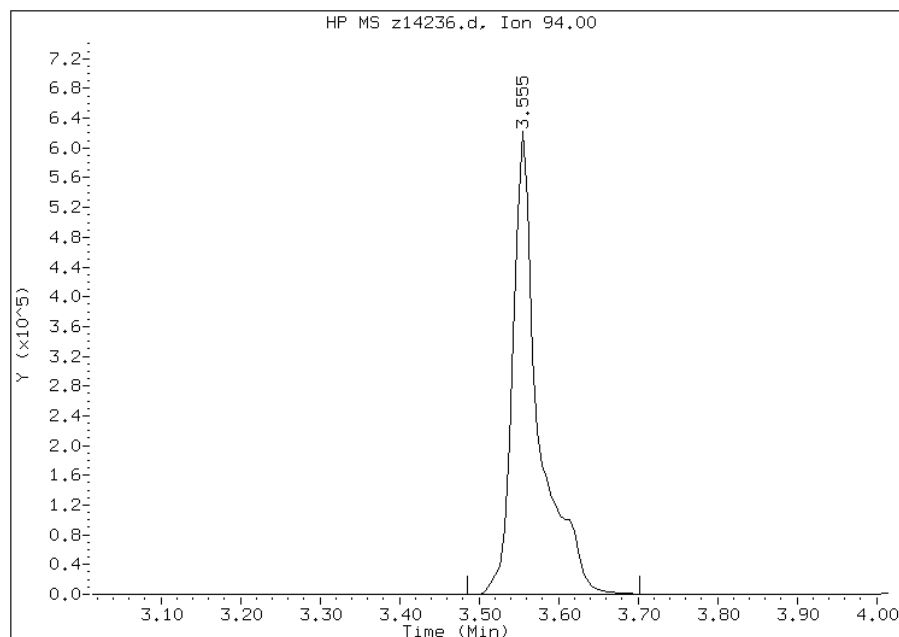
Processing Integration Results

RT: 3.56
Response: 1309630
Amount: 103
Conc: 103



Manual Integration Results

RT: 3.56
Response: 1420596
Amount: 110
Conc: 110



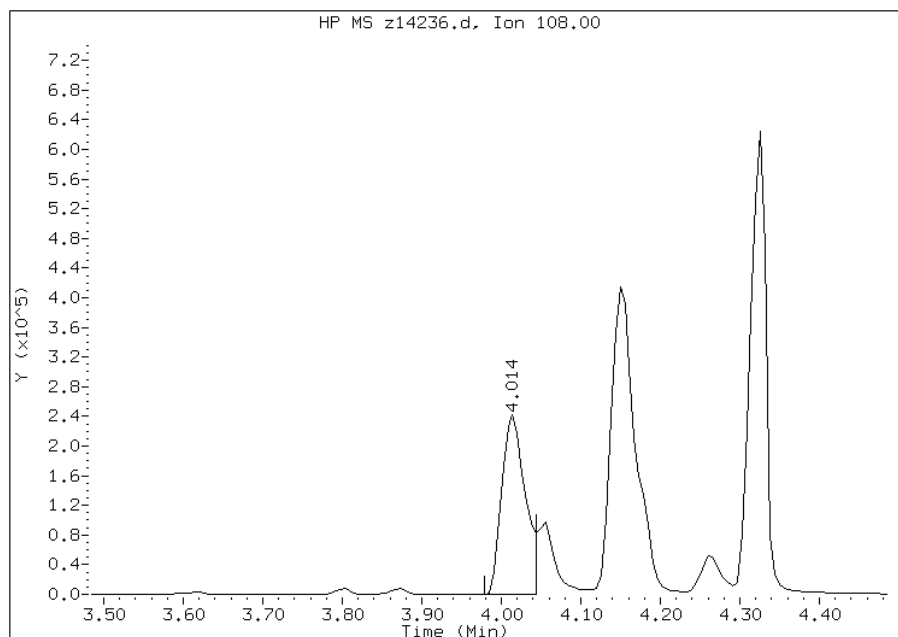
Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: z14236.d
Inj. Date and Time: 13-NOV-2012 01:50
Instrument ID: BNAMS11.i
Client ID:
Compound: 74 Benzyl Alcohol
CAS #: 100-51-6
Report Date: 11/14/2012

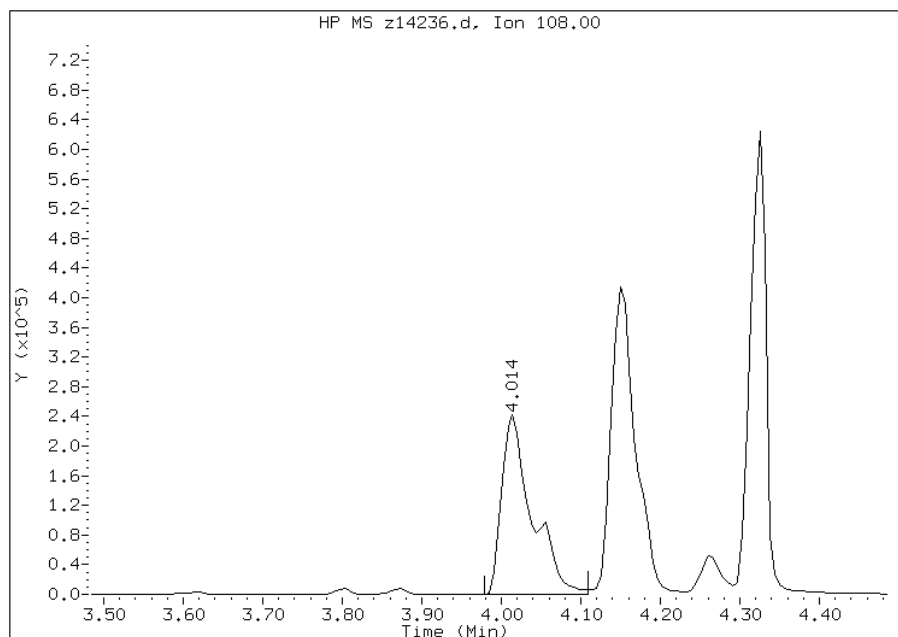
Processing Integration Results

RT: 4.01
Response: 514214
Amount: 95
Conc: 95



Manual Integration Results

RT: 4.01
Response: 653291
Amount: 116
Conc: 116



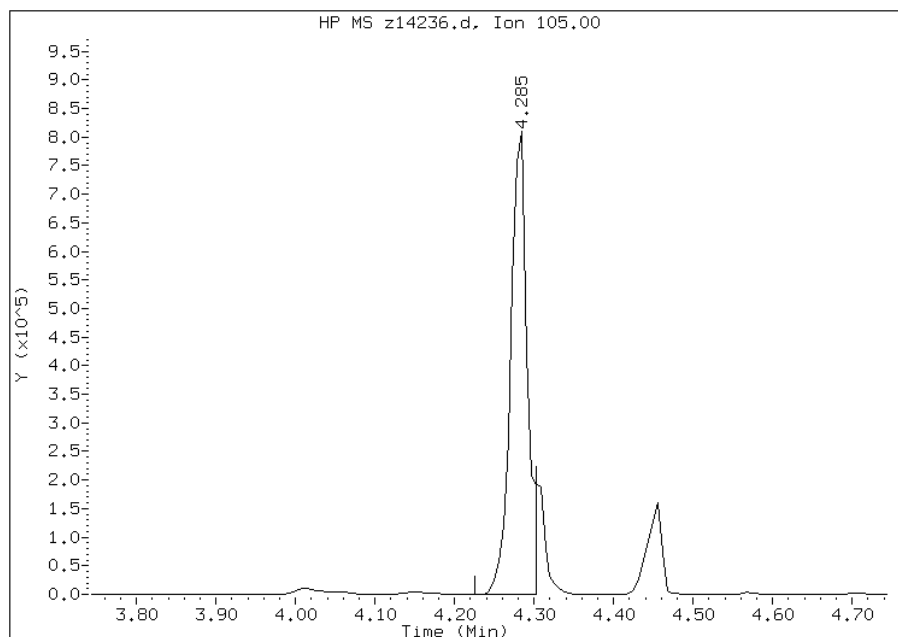
Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: z14236.d
Inj. Date and Time: 13-NOV-2012 01:50
Instrument ID: BNAMS11.i
Client ID:
Compound: 104 Acetophenone
CAS #: 98-86-2
Report Date: 11/14/2012

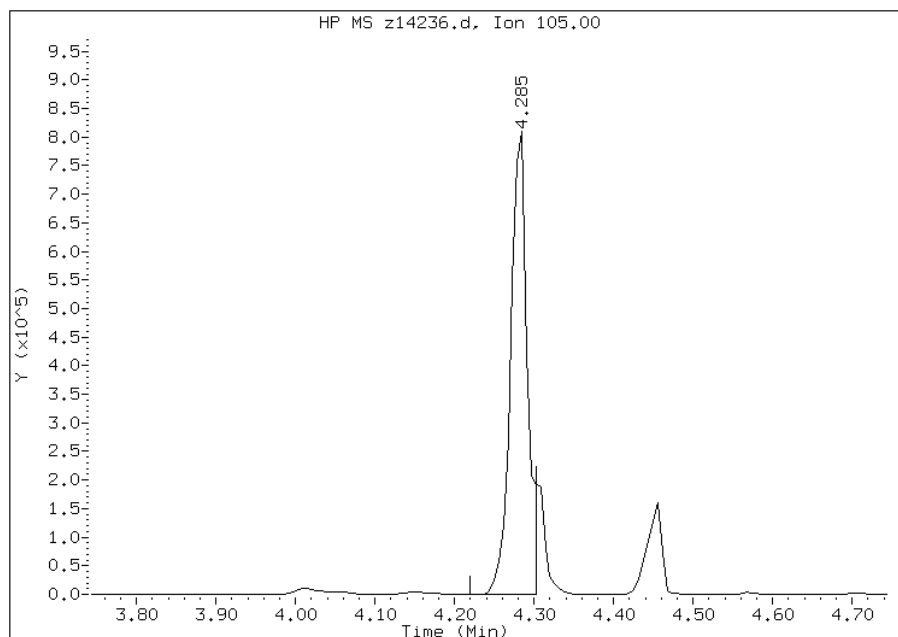
Processing Integration Results

RT: 4.28
Response: 1204009
Amount: 102
Conc: 102



Manual Integration Results

RT: 4.28
Response: 1204176
Amount: 102
Conc: 102



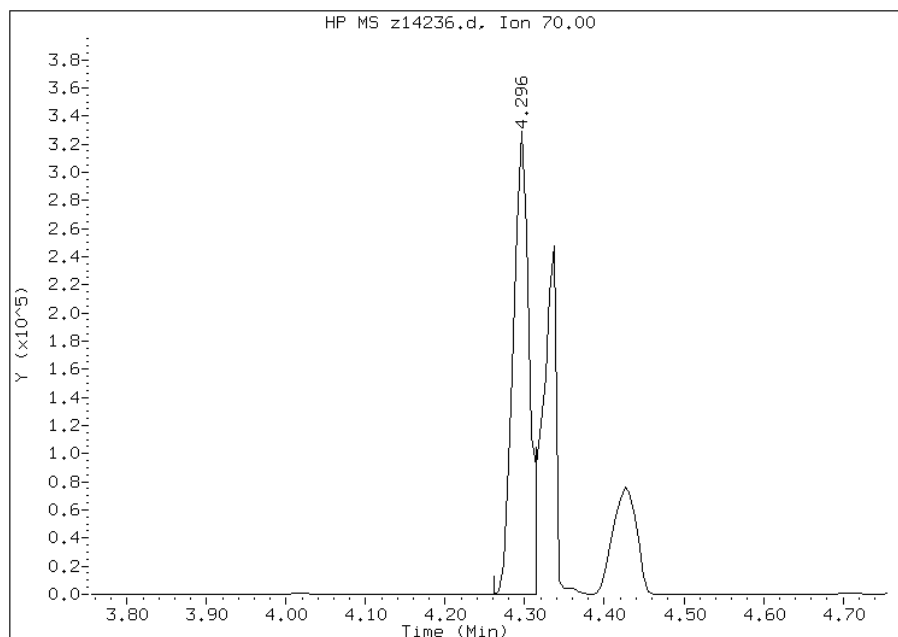
Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: z14236.d
Inj. Date and Time: 13-NOV-2012 01:50
Instrument ID: BNAMS11.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 11/14/2012

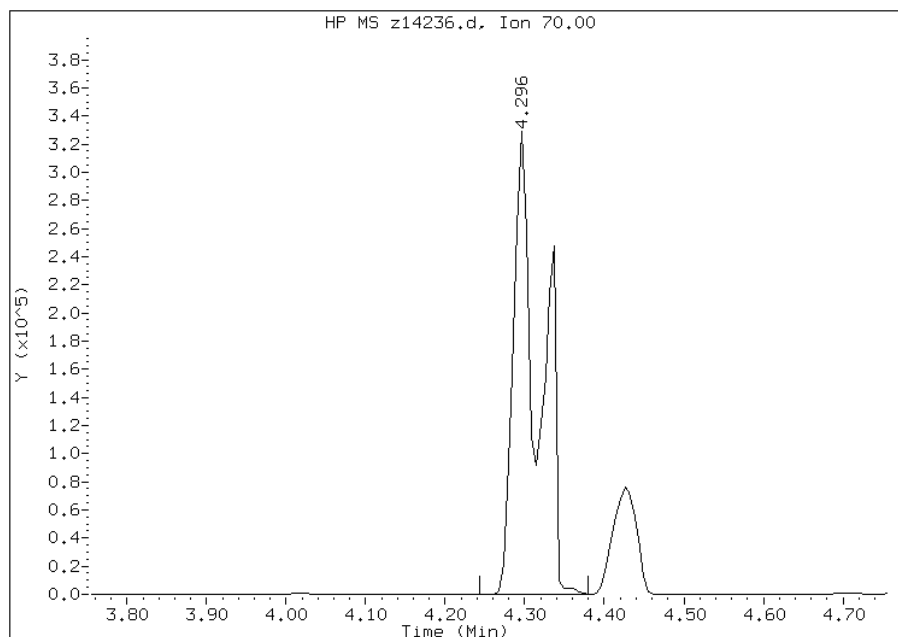
Processing Integration Results

RT: 4.30
Response: 467977
Amount: 79
Conc: 79



Manual Integration Results

RT: 4.30
Response: 737793
Amount: 112
Conc: 112



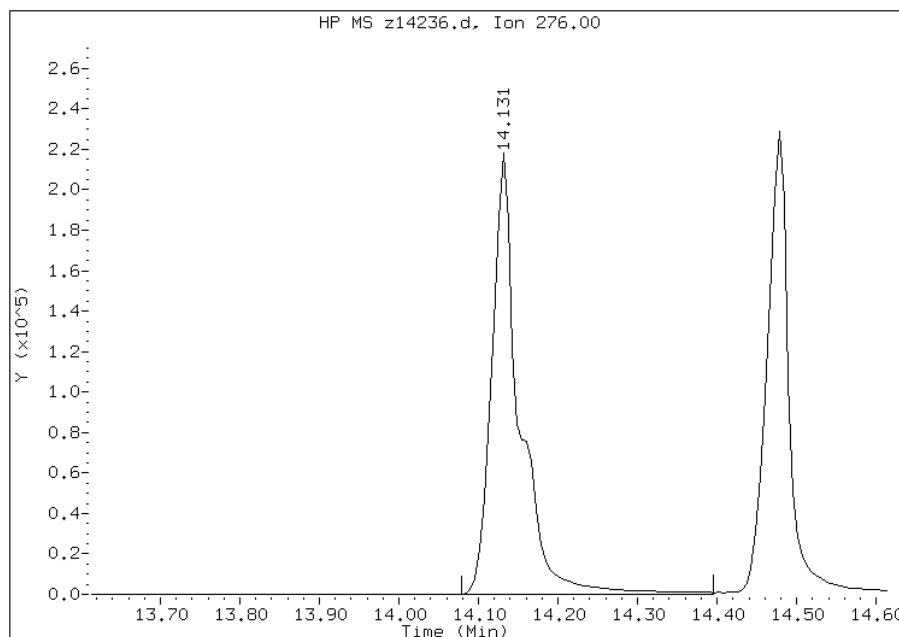
Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: z14236.d
Inj. Date and Time: 13-NOV-2012 01:50
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 11/14/2012

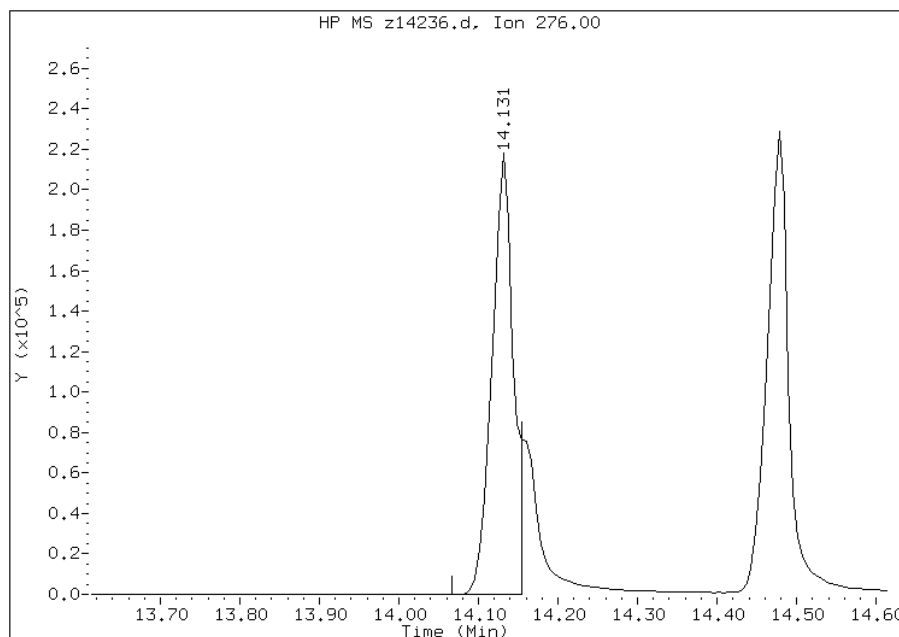
Processing Integration Results

RT: 14.13
Response: 528500
Amount: 136
Conc: 136



Manual Integration Results

RT: 14.13
Response: 414868
Amount: 132
Conc: 132



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14237.d
 Report Date: 14-Nov-2012 12:07

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14237.d
 Lab Smp Id: IC-1785662
 Inj Date : 13-NOV-2012 02:14
 Operator : BNAMS 4
 Smp Info : IC-1785662
 Misc Info : 80 ppm bna 4710
 Comment :
 Method : /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/8270Cdel_08.m
 Meth Date : 14-Nov-2012 12:07 croccom
 Cal Date : 13-NOV-2012 01:18
 Als bottle: 4
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS11.i

Quant Type: ISTD

Cal File: z14235.d

Calibration Sample, Level: 4

Compound Sublist: all.sub

Concentration Formula: Amt * DF * 1000/Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	==	=====	=====	=====	=====	=====	
106 1,4-Dioxane	88	1.355	1.355	(0.352)	351285	80.0000	78(H)	
19 N-Nitrosodimethylamine	74	1.555	1.555	(0.404)	498151	80.0000	78(H)	
71 Pyridine	79	1.579	1.579	(0.410)	851602	80.0000	77	
\$ 16 2-Fluorophenol (SUR)	112	2.620	2.620	(0.681)	786845	80.0000	80	
110 Benzaldehyde	77	3.402	3.402	(0.884)	164995	80.0000	44	
\$ 17 Phenol-d5 (SUR)	99	3.532	3.532	(0.917)	878622	80.0000	78	
73 Aniline	93	3.520	3.520	(0.914)	1008071	80.0000	77	
1 Phenol	94	3.549	3.549	(0.922)	915273	80.0000	72	
20 bis(2-Chloroethyl)ether	93	3.602	3.602	(0.936)	791085	80.0000	72	
2 2-Chlorophenol	128	3.655	3.655	(0.950)	751363	80.0000	76	
113 n-decane	43	3.702	3.702	(0.962)	773646	80.0000	71	
21 1,3-Dichlorobenzene	146	3.797	3.797	(0.986)	853947	80.0000	76	
* 79 1,4-Dichlorobenzene-d4	152	3.849	3.849	(1.000)	268196	40.0000		
22 1,4-Dichlorobenzene	146	3.867	3.867	(1.005)	843848	80.0000	76	
74 Benzyl Alcohol	108	4.008	4.008	(1.041)	420998	80.0000	76	

Data File: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14237.d
 Report Date: 14-Nov-2012 12:07

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ug/ml)	ON -COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	4.020	4.020	(1.044)	773234	80.0000	75
3 2-Methylphenol	108	4.149	4.149	(1.078)	595326	80.0000	75
24 bis (2-chloroisopropyl) ether	45	4.132	4.132	(1.073)	879706	80.0000	70
104 Acetophenone	105	4.273	4.273	(1.110)	867784	80.0000	75
4 4-Methylphenol	108	4.314	4.314	(1.121)	587696	80.0000	74
121 3 & 4 Methylphenol	108	4.314	4.314	(1.121)	587696	80.0000	74
25 N-Nitroso-di-n-propylamine	70	4.291	4.291	(1.115)	496144	80.0000	77(M)
26 Hexachloroethane	117	4.355	4.355	(1.131)	334650	80.0000	78
\$ 76 Nitrobenzene-d5 (SUR)	82	4.420	4.420	(0.860)	770779	80.0000	78
27 Nitrobenzene	77	4.444	4.444	(0.865)	923184	80.0000	73
107 N,N-Dimethylaniline	120	4.449	4.449	(1.156)	965242	80.0000	75
28 Isophorone	82	4.691	4.691	(0.913)	1197794	80.0000	77
5 2-Nitrophenol	139	4.755	4.755	(0.926)	399107	80.0000	79
6 2,4-Dimethylphenol	122	4.838	4.838	(0.942)	561687	80.0000	75
29 bis(2-Chloroethoxy)methane	93	4.914	4.914	(0.956)	757794	80.0000	76
7 2,4-Dichlorophenol	162	5.020	5.020	(0.977)	495358	80.0000	75
30 1,2,4-Trichlorobenzene	180	5.085	5.085	(0.990)	587254	80.0000	75
* 80 Naphthalene-d8	136	5.138	5.138	(1.000)	964479	40.0000	
31 Naphthalene	128	5.155	5.155	(1.003)	1887559	80.0000	75
32 4-Chloroaniline	127	5.226	5.226	(1.017)	690433	80.0000	75
33 Hexachlorobutadiene	225	5.296	5.296	(1.031)	321447	80.0000	74
111 Caprolactam	113	5.638	5.638	(1.097)	156445	80.0000	83
8 4-Chloro-3-methylphenol	107	5.755	5.755	(1.120)	469096	80.0000	76
34 2-Methylnaphthalene	142	5.855	5.855	(1.140)	1139681	80.0000	75
120 1-Methylnaphthalene	142	5.949	5.949	(1.158)	1166658	80.0000	74
35 Hexachlorocyclopentadiene	237	6.020	6.020	(0.875)	260864	80.0000	82
9 2,4,6-Trichlorophenol	196	6.149	6.149	(0.894)	318112	80.0000	76
10 2,4,5-Trichlorophenol	196	6.202	6.202	(0.902)	328857	80.0000	77
\$ 77 2-Fluorobiphenyl (SUR)	172	6.226	6.226	(0.905)	1121926	80.0000	75
102 Diphenyl	154	6.326	6.326	(0.920)	1230918	80.0000	73
36 2-Chloronaphthalene	162	6.338	6.338	(0.921)	960884	80.0000	74
103 Diphenyl Ether	170	6.426	6.426	(0.934)	687853	80.0000	75
37 2-Nitroaniline	65	6.449	6.449	(0.938)	308285	80.0000	77
38 Dimethylphthalate	163	6.643	6.643	(0.966)	941096	80.0000	74
114 Coumarin	146	6.649	6.649	(1.294)	326650	80.0000	75
40 2,6-Dinitrotoluene	165	6.696	6.696	(0.973)	235595	80.0000	78
39 Acenaphthylene	152	6.743	6.743	(0.980)	1428223	80.0000	73
41 3-Nitroaniline	138	6.861	6.861	(0.997)	227192	80.0000	77
* 82 Acenaphthene-d10	164	6.879	6.879	(1.000)	439657	40.0000	
42 Acenaphthene	154	6.914	6.914	(1.005)	849954	80.0000	74
11 2,4-Dinitrophenol	184	6.961	6.961	(1.012)	124123	80.0000	88
12 4-Nitrophenol	65	7.073	7.073	(1.028)	173328	80.0000	80
43 Dibenzofuran	168	7.085	7.085	(1.030)	1174867	80.0000	74
44 2,4-Dinitrotoluene	165	7.090	7.090	(1.031)	264960	80.0000	76
45 Diethylphthalate	149	7.337	7.337	(1.067)	907800	80.0000	77
47 Fluorene	166	7.420	7.420	(1.079)	945587	80.0000	74
46 4-Chlorophenyl-phenylether	204	7.426	7.426	(1.080)	430374	80.0000	72

Data File: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14237.d
 Report Date: 14-Nov-2012 12:07

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	7.467	7.467	(1.085)	176821	80.0000	73
13 4,6-Dinitro-2-methylphenol	198	7.490	7.490	(0.900)	158011	80.0000	86
49 N-Nitrosodiphenylamine	169	7.549	7.549	(0.907)	627400	80.0000	79
75 1,2-Diphenylhydrazine	77	7.585	7.585	(0.911)	1162509	80.0000	77
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.661	7.661	(1.114)	133882	80.0000	82
50 4-Bromophenyl-phenylether	248	7.902	7.902	(0.949)	250206	80.0000	77
51 Hexachlorobenzene	284	7.961	7.961	(0.956)	253434	80.0000	76
112 Atrazine	200	8.084	8.084	(0.971)	206463	80.0000	78
14 Pentachlorophenol	266	8.161	8.161	(0.980)	138653	80.0000	85
* 83 Phenanthrene-d10	188	8.326	8.326	(1.000)	520390	40.0000	
52 Phenanthrene	178	8.355	8.355	(1.004)	1106051	80.0000	76
53 Anthracene	178	8.402	8.402	(1.009)	1120457	80.0000	76
54 Carbazole	167	8.567	8.567	(1.029)	878301	80.0000	76
55 Di-n-butylphthalate	149	8.926	8.926	(1.072)	1175480	80.0000	80
56 Fluoranthene	202	9.508	9.508	(1.142)	906641	80.0000	78
58 Benzidine	184	9.649	9.649	(1.159)	33939	80.0000	31
57 Pyrene	202	9.726	9.726	(0.886)	878522	80.0000	76
\$ 78 Terphenyl-d14	244	9.890	9.890	(0.901)	598104	80.0000	77
59 Butylbenzylphthalate	149	10.390	10.390	(0.947)	363332	80.0000	83
60 3,3'-Dichlorobenzidine	252	10.943	10.943	(0.997)	145606	80.0000	74
61 Benzo(a)anthracene	228	10.961	10.961	(0.999)	574440	80.0000	76
* 81 Chrysene-d12	240	10.973	10.973	(1.000)	248835	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	11.031	11.031	(1.005)	457294	80.0000	86
62 Chrysene	228	11.002	11.002	(1.003)	560613	80.0000	79
64 Di-n-octylphthalate	149	11.820	11.820	(0.928)	616337	80.0000	90
65 Benzo(b)fluoranthene	252	12.261	12.261	(0.962)	422004	80.0000	82
66 Benzo(k)fluoranthene	252	12.296	12.296	(0.965)	448762	80.0000	76
67 Benzo(a)pyrene	252	12.672	12.672	(0.994)	344694	80.0000	82
* 84 Perylene-d12	264	12.743	12.743	(1.000)	177174	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.125	14.125	(1.108)	273044	80.0000	84(M)
69 Dibenz(a,h)anthracene	278	14.155	14.155	(1.111)	287632	80.0000	84
70 Benzo(g,h,i)perylene	276	14.472	14.472	(1.136)	293456	80.0000	84

QC Flag Legend

M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.

Data File: z14237.d

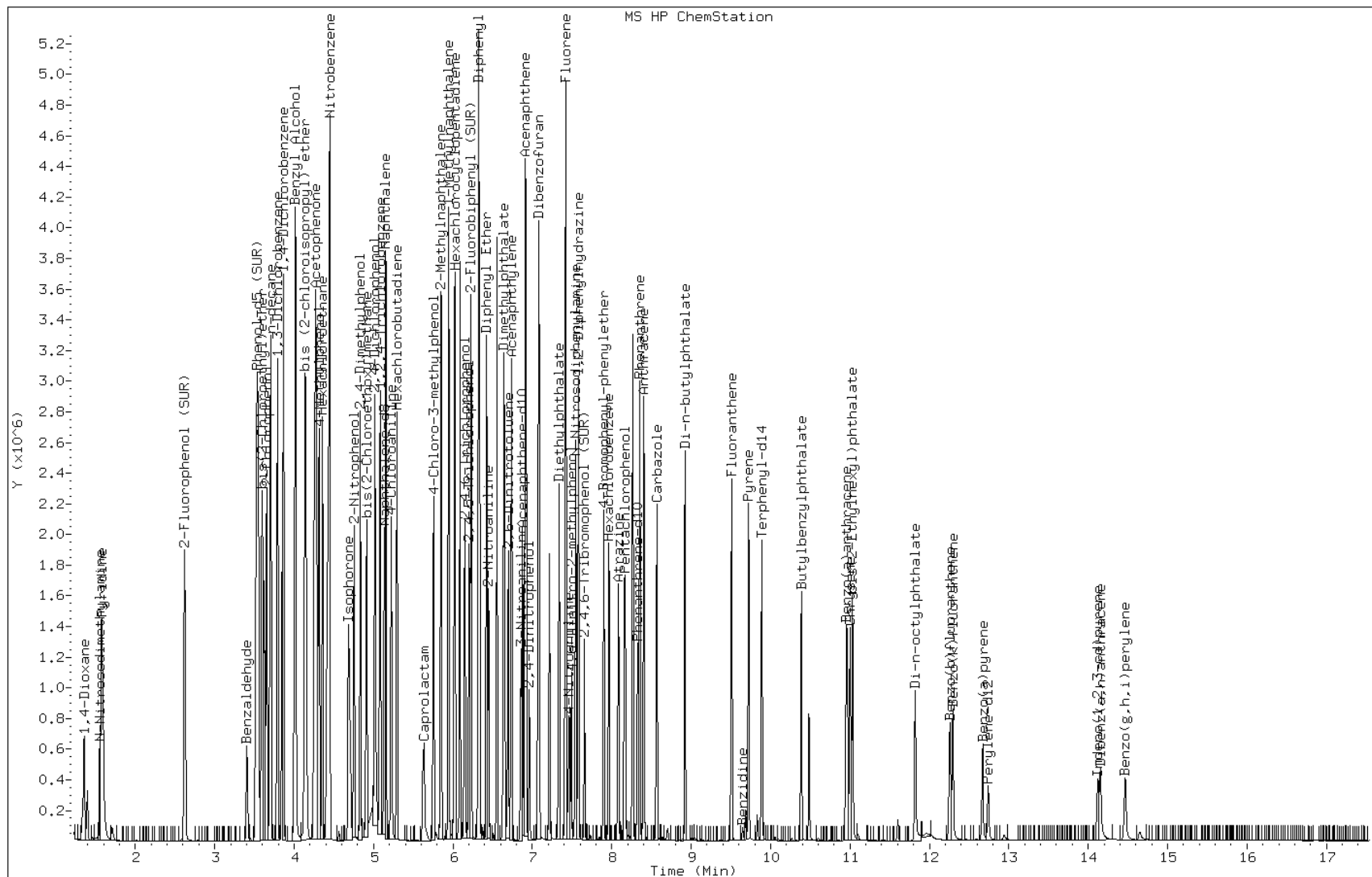
Date: 13-NOV-2012 02:14

Client ID:

Instrument: BNAMS11.i

Sample Info: IC-1785662

Operator: BNAMS 4

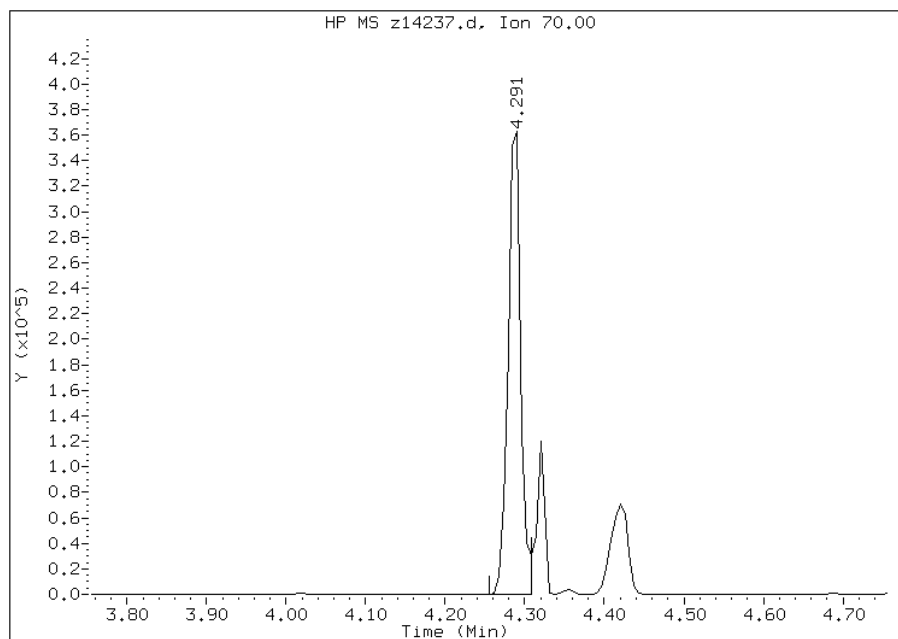


Manual Integration Report

Data File: z14237.d
Inj. Date and Time: 13-NOV-2012 02:14
Instrument ID: BNAMS11.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 11/14/2012

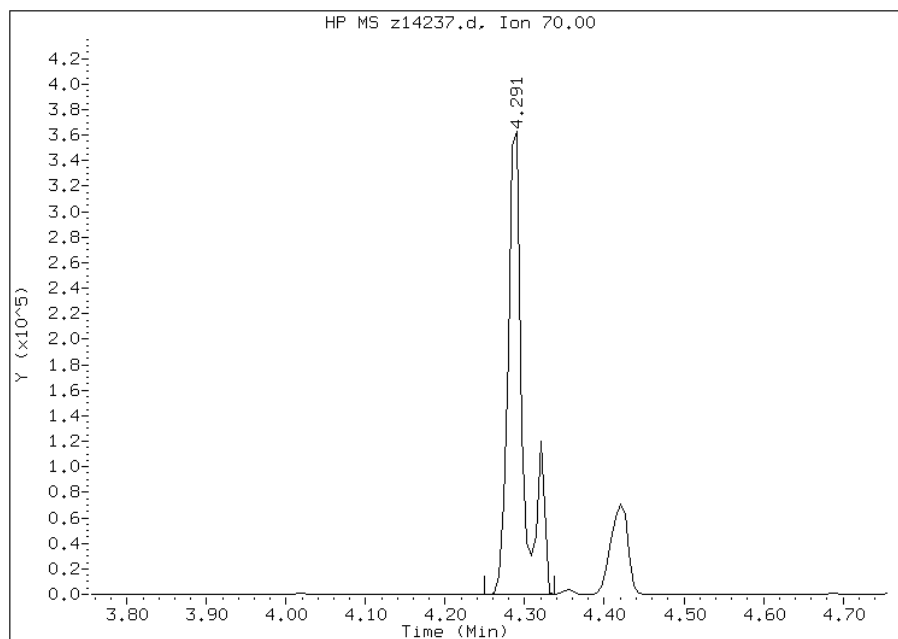
Processing Integration Results

RT: 4.29
Response: 419174
Amount: 67
Conc: 67



Manual Integration Results

RT: 4.29
Response: 496144
Amount: 77
Conc: 77



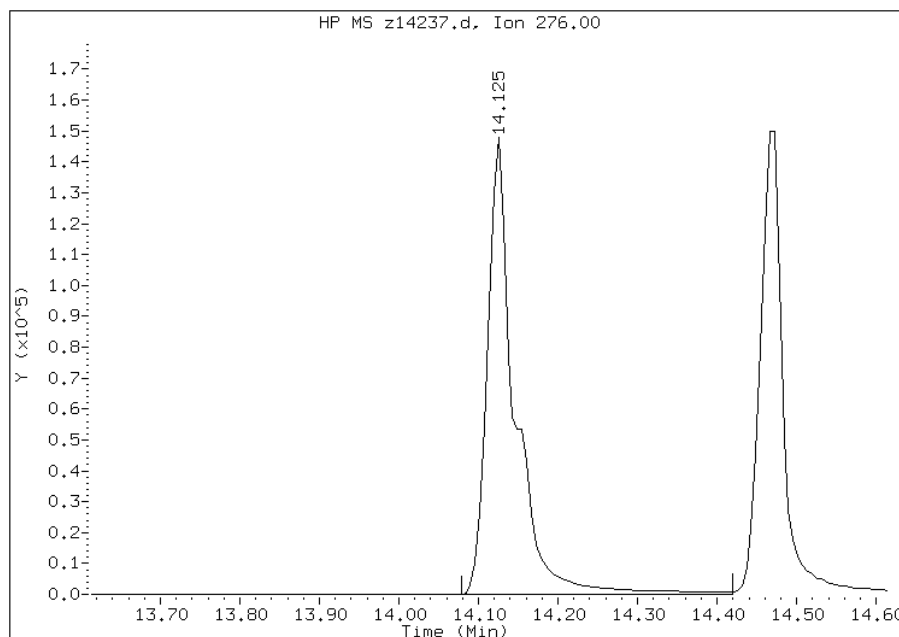
Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: z14237.d
Inj. Date and Time: 13-NOV-2012 02:14
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 11/14/2012

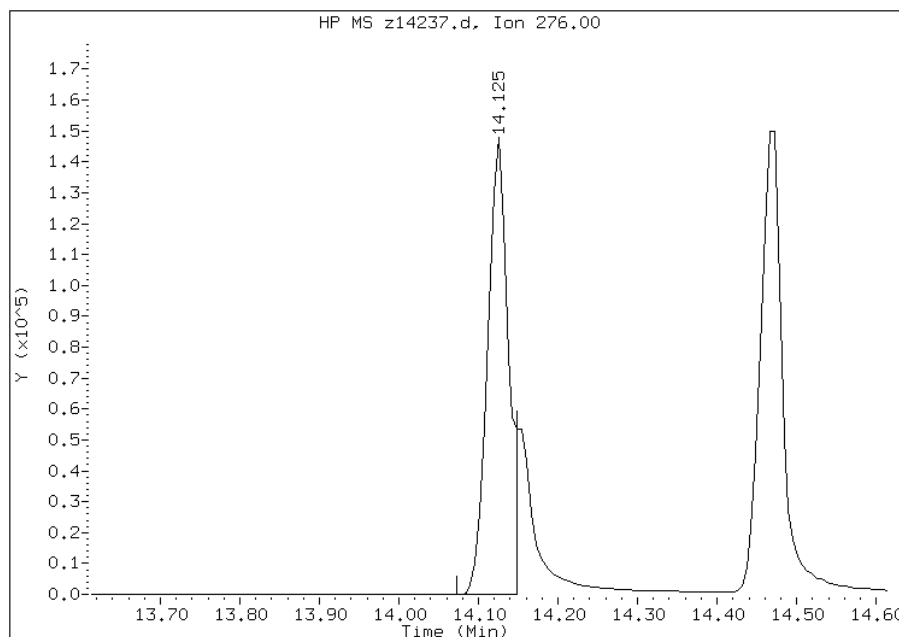
Processing Integration Results

RT: 14.13
Response: 354638
Amount: 93
Conc: 93



Manual Integration Results

RT: 14.13
Response: 273044
Amount: 84
Conc: 84



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14238.d
 Report Date: 14-Nov-2012 12:07

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14238.d
 Lab Smp Id: IC-1785664
 Inj Date : 13-NOV-2012 02:39
 Operator : BNAMS 4
 Smp Info : IC-1785664
 Misc Info : 20 ppm bna 4710
 Comment :
 Method : /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/8270Cdel_08.m
 Meth Date : 14-Nov-2012 12:07 croccom Quant Type: ISTD
 Cal Date : 13-NOV-2012 01:18 Cal File: z14235.d
 Als bottle: 5 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.297	1.297 (0.338)	95659	20.0000	20		
19 N-Nitrosodimethylamine	74	1.491	1.491 (0.388)	138881	20.0000	20(H)		
71 Pyridine	79	1.520	1.520 (0.396)	243975	20.0000	20		
\$ 16 2-Fluorophenol (SUR)	112	2.585	2.585 (0.674)	216837	20.0000	20		
110 Benzaldehyde	77	3.385	3.385 (0.882)	113199	20.0000	28		
\$ 17 Phenol-d5 (SUR)	99	3.508	3.508 (0.914)	254345	20.0000	21		
73 Aniline	93	3.502	3.502 (0.913)	307624	20.0000	22		
1 Phenol	94	3.520	3.520 (0.917)	287923	20.0000	21		
20 bis(2-Chloroethyl)ether	93	3.573	3.573 (0.931)	217166	20.0000	18		
2 2-Chlorophenol	128	3.632	3.632 (0.946)	222911	20.0000	21		
113 n-decane	43	3.696	3.696 (0.963)	262091	20.0000	22		
21 1,3-Dichlorobenzene	146	3.779	3.779 (0.985)	248546	20.0000	20		
* 79 1,4-Dichlorobenzene-d4	152	3.838	3.838 (1.000)	289738	40.0000			
22 1,4-Dichlorobenzene	146	3.855	3.855 (1.005)	247466	20.0000	21		
74 Benzyl Alcohol	108	3.991	3.991 (1.040)	127142	20.0000	21		

Data File: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14238.d
 Report Date: 14-Nov-2012 12:07

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	4.008	4.008	(1.044)	231858	20.0000	21
3 2-Methylphenol	108	4.126	4.126	(1.075)	178055	20.0000	21
24 bis (2-chloroisopropyl) ether	45	4.126	4.126	(1.075)	292591	20.0000	22
104 Acetophenone	105	4.255	4.255	(1.109)	271306	20.0000	22
4 4-Methylphenol	108	4.285	4.285	(1.116)	183018	20.0000	21
121 3 & 4 Methylphenol	108	4.285	4.285	(1.116)	183018	20.0000	21
25 N-Nitroso-di-n-propylamine	70	4.261	4.261	(1.110)	145631	20.0000	21
26 Hexachloroethane	117	4.349	4.349	(1.133)	96529	20.0000	21
\$ 76 Nitrobenzene-d5 (SUR)	82	4.402	4.402	(0.859)	216835	20.0000	20
27 Nitrobenzene	77	4.420	4.420	(0.862)	297671	20.0000	22
107 N,N-Dimethylaniline	120	4.426	4.426	(1.153)	299389	20.0000	22
28 Isophorone	82	4.667	4.667	(0.910)	337677	20.0000	20
5 2-Nitrophenol	139	4.743	4.743	(0.925)	110671	20.0000	20
6 2,4-Dimethylphenol	122	4.820	4.820	(0.940)	169495	20.0000	21
29 bis(2-Chloroethoxy)methane	93	4.902	4.902	(0.956)	220872	20.0000	20
7 2,4-Dichlorophenol	162	5.008	5.008	(0.977)	153075	20.0000	21
30 1,2,4-Trichlorobenzene	180	5.073	5.073	(0.990)	174360	20.0000	21
* 80 Naphthalene-d8	136	5.126	5.126	(1.000)	1047867	40.0000	
31 Naphthalene	128	5.149	5.149	(1.005)	573006	20.0000	21
32 4-Chloroaniline	127	5.214	5.214	(1.017)	211700	20.0000	21
33 Hexachlorobutadiene	225	5.291	5.291	(1.032)	99329	20.0000	21
111 Caprolactam	113	5.567	5.567	(1.086)	42467	20.0000	21(H)
8 4-Chloro-3-methylphenol	107	5.738	5.738	(1.119)	139725	20.0000	21
34 2-Methylnaphthalene	142	5.843	5.843	(1.140)	343258	20.0000	21
120 1-Methylnaphthalene	142	5.943	5.943	(1.159)	348447	20.0000	20
35 Hexachlorocyclopentadiene	237	6.014	6.014	(0.875)	65221	20.0000	19
9 2,4,6-Trichlorophenol	196	6.143	6.143	(0.894)	92960	20.0000	20
10 2,4,5-Trichlorophenol	196	6.190	6.190	(0.901)	96665	20.0000	21
\$ 77 2-Fluorobiphenyl (SUR)	172	6.220	6.220	(0.905)	336856	20.0000	20
102 Diphenyl	154	6.314	6.314	(0.919)	393968	20.0000	21
36 2-Chloronaphthalene	162	6.326	6.326	(0.920)	299623	20.0000	21
103 Diphenyl Ether	170	6.420	6.420	(0.934)	209421	20.0000	21
37 2-Nitroaniline	65	6.438	6.438	(0.937)	89857	20.0000	20
38 Dimethylphthalate	163	6.632	6.632	(0.965)	289755	20.0000	21
114 Coumarin	146	6.632	6.632	(1.294)	96444	20.0000	20
40 2,6-Dinitrotoluene	165	6.679	6.679	(0.972)	67917	20.0000	21
39 Acenaphthylene	152	6.732	6.732	(0.979)	438734	20.0000	20
41 3-Nitroaniline	138	6.843	6.843	(0.996)	67623	20.0000	21
* 82 Acenaphthene-d10	164	6.873	6.873	(1.000)	482037	40.0000	
42 Acenaphthene	154	6.908	6.908	(1.005)	264640	20.0000	21
11 2,4-Dinitrophenol	184	6.949	6.949	(1.011)	45002	30.0000	29
12 4-Nitrophenol	65	7.061	7.061	(1.027)	75739	30.0000	32
43 Dibenzofuran	168	7.073	7.073	(1.029)	371149	20.0000	21
44 2,4-Dinitrotoluene	165	7.073	7.073	(1.029)	79162	20.0000	21
45 Diethylphthalate	149	7.326	7.326	(1.066)	265038	20.0000	20
47 Fluorene	166	7.408	7.408	(1.078)	297301	20.0000	21
46 4-Chlorophenyl-phenylether	204	7.420	7.420	(1.080)	139279	20.0000	21

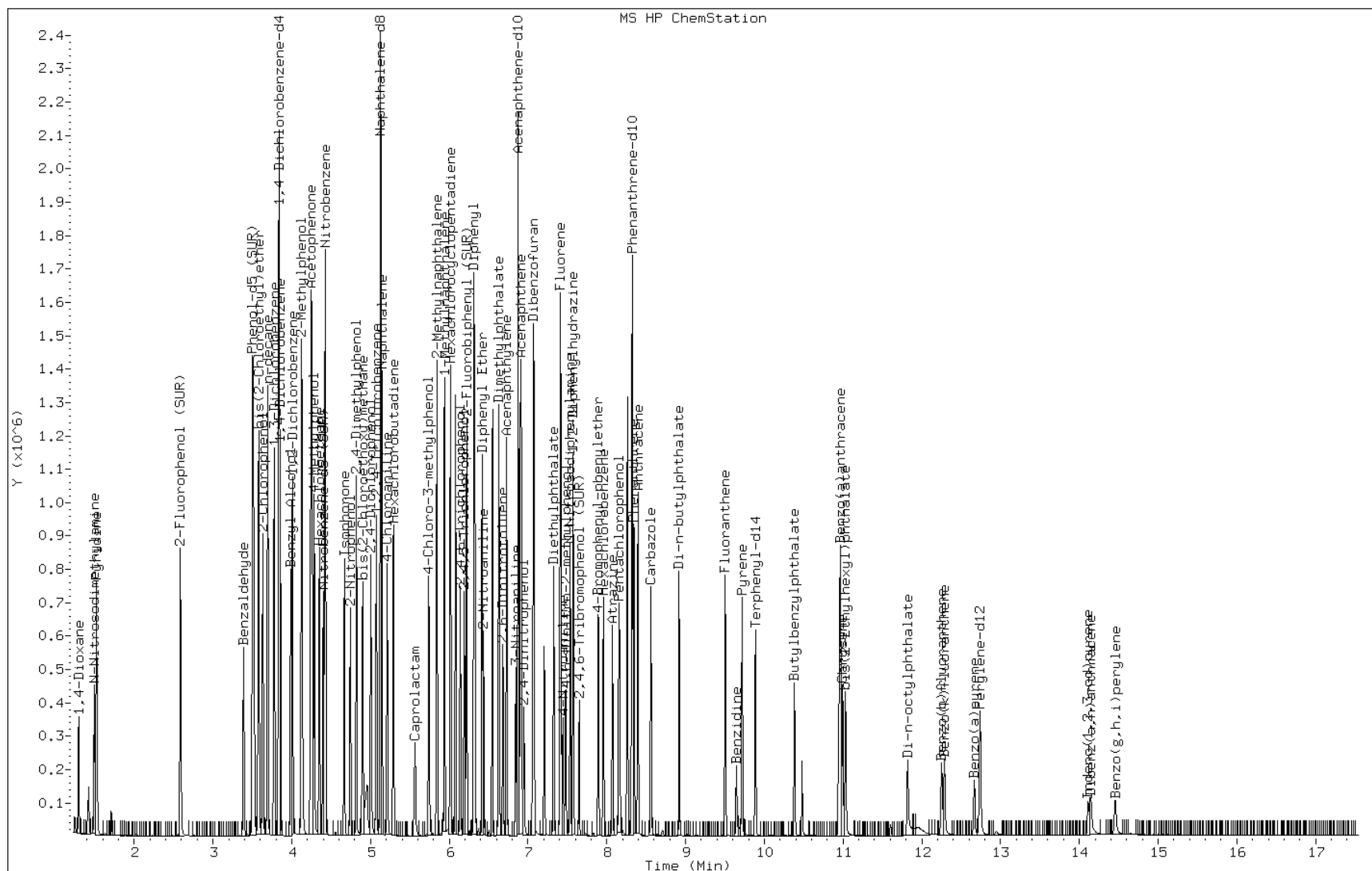
Data File: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14238.d
 Report Date: 14-Nov-2012 12:07

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	7.443	7.443	(1.083)	55180	20.0000	21
13 4,6-Dinitro-2-methylphenol	198	7.479	7.479	(0.898)	61843	30.0000	30
49 N-Nitrosodiphenylamine	169	7.537	7.537	(0.905)	182532	20.0000	20
75 1,2-Diphenylhydrazine	77	7.573	7.573	(0.910)	367933	20.0000	22
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.649	7.649	(1.113)	35824	20.0000	20
50 4-Bromophenyl-phenylether	248	7.896	7.896	(0.948)	73576	20.0000	20
51 Hexachlorobenzene	284	7.955	7.955	(0.955)	77889	20.0000	21
112 Atrazine	200	8.073	8.073	(0.970)	61026	20.0000	20
14 Pentachlorophenol	266	8.155	8.155	(0.980)	54149	30.0000	30
* 83 Phenanthrene-d10	188	8.326	8.326	(1.000)	582749	40.0000	
52 Phenanthrene	178	8.349	8.349	(1.003)	338174	20.0000	21
53 Anthracene	178	8.396	8.396	(1.008)	345785	20.0000	21
54 Carbazole	167	8.561	8.561	(1.028)	265505	20.0000	20
55 Di-n-butylphthalate	149	8.920	8.920	(1.071)	336434	20.0000	20
56 Fluoranthene	202	9.502	9.502	(1.141)	273199	20.0000	21
58 Benzidine	184	9.643	9.643	(1.158)	88551	30.0000	72
57 Pyrene	202	9.720	9.720	(0.886)	267409	20.0000	20
\$ 78 Terphenyl-d14	244	9.890	9.890	(0.901)	176934	20.0000	20
59 Butylbenzylphthalate	149	10.384	10.384	(0.946)	100045	20.0000	20
60 3,3'-Dichlorobenzidine	252	10.943	10.943	(0.997)	78388	30.0000	34
61 Benzo(a)anthracene	228	10.961	10.961	(0.999)	167261	20.0000	19
* 81 Chrysene-d12	240	10.973	10.973	(1.000)	287849	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	11.031	11.031	(1.005)	117932	20.0000	19
62 Chrysene	228	10.996	10.996	(1.002)	168004	20.0000	20
64 Di-n-octylphthalate	149	11.819	11.819	(0.928)	148784	20.0000	19
65 Benzo(b)fluoranthene	252	12.255	12.255	(0.962)	116187	20.0000	20
66 Benzo(k)fluoranthene	252	12.290	12.290	(0.964)	130822	20.0000	20
67 Benzo(a)pyrene	252	12.666	12.666	(0.994)	91986	20.0000	19
* 84 Perylene-d12	264	12.743	12.743	(1.000)	198171	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.113	14.113	(1.108)	68332	20.0000	19(M)
69 Dibenz(a,h)anthracene	278	14.149	14.149	(1.110)	75799	20.0000	20
70 Benzo(g,h,i)perylene	276	14.460	14.460	(1.135)	76243	20.0000	20

QC Flag Legend

M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.

Operator: BNAMS 4

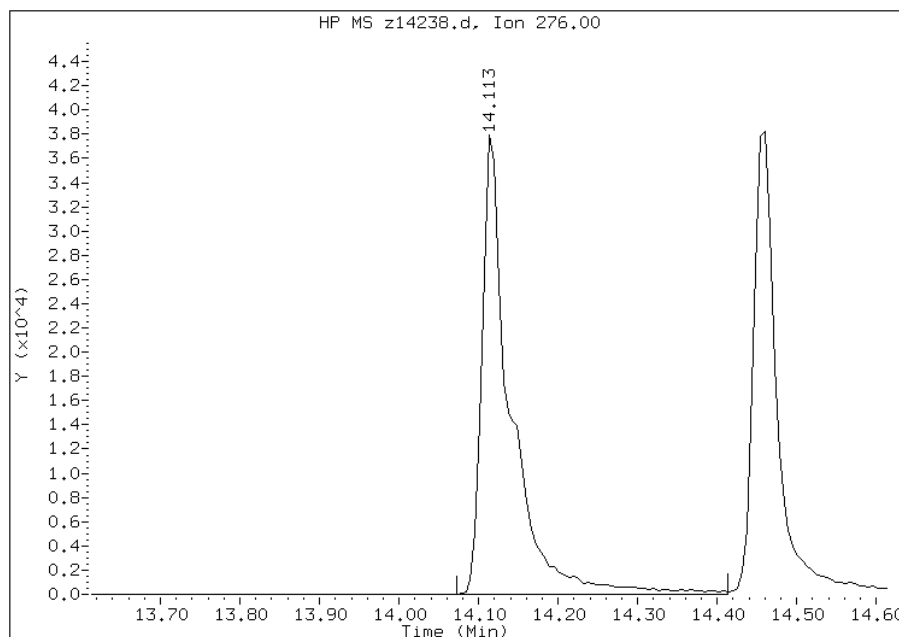


Manual Integration Report

Data File: z14238.d
Inj. Date and Time: 13-NOV-2012 02:39
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 11/14/2012

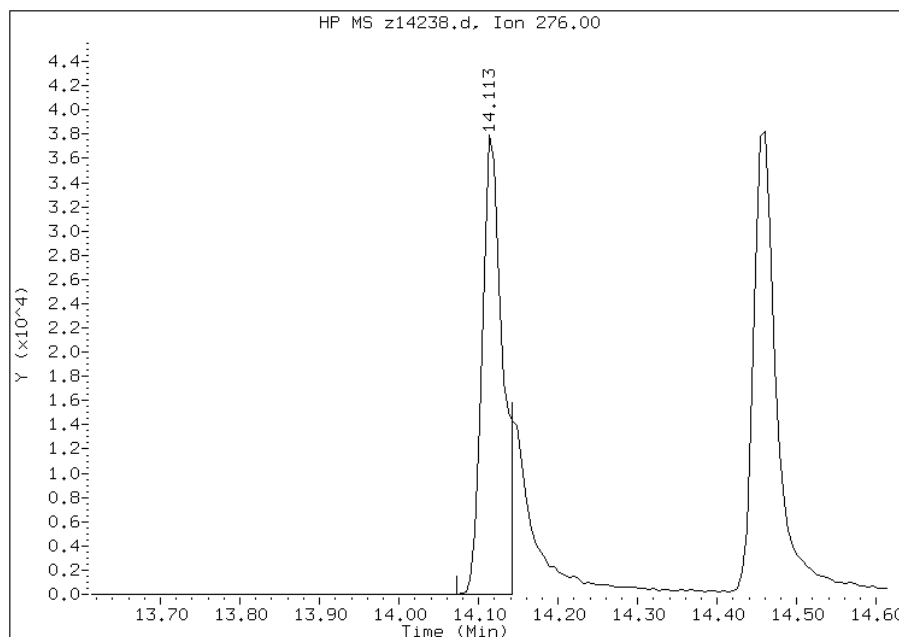
Processing Integration Results

RT: 14.11
Response: 95152
Amount: 24
Conc: 24



Manual Integration Results

RT: 14.11
Response: 68332
Amount: 19
Conc: 19



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14239.d
 Report Date: 14-Nov-2012 12:07

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14239.d
 Lab Smp Id: IC-1785700
 Inj Date : 13-NOV-2012 03:03
 Operator : BNAMS 4
 Smp Info : IC-1785700
 Misc Info : 5 ppm bna 4710
 Comment :
 Method : /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/8270Cdel_08.m
 Meth Date : 14-Nov-2012 12:07 croccom Quant Type: ISTD
 Cal Date : 13-NOV-2012 01:18 Cal File: z14235.d
 Als bottle: 6 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
							ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.308	1.308	(0.341)	25261	5.00000	5.0
19 N-Nitrosodimethylamine	74	1.503	1.503	(0.392)	36191	5.00000	5.0
71 Pyridine	79	1.532	1.532	(0.399)	65770	5.00000	5.2
\$ 16 2-Fluorophenol (SUR)	112	2.591	2.591	(0.675)	54984	5.00000	5.0
110 Benzaldehyde	77	3.385	3.385	(0.882)	38660	5.00000	9.1
\$ 17 Phenol-d5 (SUR)	99	3.502	3.502	(0.913)	68241	5.00000	5.3
73 Aniline	93	3.502	3.502	(0.913)	86101	5.00000	5.8
1 Phenol	94	3.514	3.514	(0.916)	80657	5.00000	5.6
20 bis(2-Chloroethyl)ether	93	3.567	3.567	(0.929)	6097	0.50000	0.49(a)
2 2-Chlorophenol	128	3.632	3.632	(0.946)	60569	5.00000	5.4
113 n-decane	43	3.691	3.691	(0.962)	76967	5.00000	6.2
21 1,3-Dichlorobenzene	146	3.779	3.779	(0.985)	66751	5.00000	5.2
* 79 1,4-Dichlorobenzene-d4	152	3.838	3.838	(1.000)	303816	40.0000	
22 1,4-Dichlorobenzene	146	3.850	3.850	(1.003)	67496	5.00000	5.4
74 Benzyl Alcohol	108	3.985	3.985	(1.038)	32314	5.00000	5.2

Data File: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14239.d
Report Date: 14-Nov-2012 12:07

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	4.008	4.008	(1.044)	63033	5.00000	5.4
3 2-Methylphenol	108	4.120	4.120	(1.074)	49363	5.00000	5.5
24 bis (2-chloroisopropyl) ether	45	4.126	4.126	(1.075)	82844	5.00000	5.8
104 Acetophenone	105	4.244	4.244	(1.106)	69763	5.00000	5.4
4 4-Methylphenol	108	4.279	4.279	(1.115)	50867	5.00000	5.6
121 3 & 4 Methylphenol	108	4.279	4.279	(1.115)	50867	5.00000	5.6
25 N-Nitroso-di-n-propylamine	70	4.255	4.255	(1.109)	3771	0.50000	0.52
26 Hexachloroethane	117	4.349	4.349	(1.133)	2411	0.50000	0.50
\$ 76 Nitrobenzene-d5 (SUR)	82	4.397	4.397	(0.858)	58080	5.00000	5.1
27 Nitrobenzene	77	4.414	4.414	(0.861)	8154	0.50000	0.56
107 N,N-Dimethylaniline	120	4.426	4.426	(1.153)	7606	0.50000	0.52
28 Isophorone	82	4.661	4.661	(0.909)	92283	5.00000	5.2
5 2-Nitrophenol	139	4.744	4.744	(0.925)	28442	5.00000	4.9(a)
6 2,4-Dimethylphenol	122	4.814	4.814	(0.939)	47033	5.00000	5.5
29 bis(2-Chloroethoxy)methane	93	4.896	4.896	(0.955)	59138	5.00000	5.2
7 2,4-Dichlorophenol	162	5.002	5.002	(0.976)	41581	5.00000	5.5
30 1,2,4-Trichlorobenzene	180	5.073	5.073	(0.990)	4865	0.50000	0.54
* 80 Naphthalene-d8	136	5.126	5.126	(1.000)	1110528	40.0000	
31 Naphthalene	128	5.144	5.144	(1.003)	157792	5.00000	5.4
32 4-Chloroaniline	127	5.208	5.208	(1.016)	57209	5.00000	5.4
33 Hexachlorobutadiene	225	5.285	5.285	(1.031)	5448	1.00000	1.1
111 Caprolactam	113	5.532	5.532	(1.079)	9847	5.00000	4.6(aH)
8 4-Chloro-3-methylphenol	107	5.738	5.738	(1.119)	37895	5.00000	5.3
34 2-Methylnaphthalene	142	5.843	5.843	(1.140)	91508	5.00000	5.2
120 1-Methylnaphthalene	142	5.938	5.938	(1.158)	99252	5.00000	5.5(a)
35 Hexachlorocyclopentadiene	237	6.014	6.014	(0.875)	17057	5.00000	4.6(a)
9 2,4,6-Trichlorophenol	196	6.138	6.138	(0.893)	25845	5.00000	5.3
10 2,4,5-Trichlorophenol	196	6.185	6.185	(0.900)	27008	5.00000	5.4
\$ 77 2-Fluorobiphenyl (SUR)	172	6.214	6.214	(0.904)	95767	5.00000	5.5
102 Diphenyl	154	6.308	6.308	(0.918)	105936	5.00000	5.4
36 2-Chloronaphthalene	162	6.320	6.320	(0.920)	81846	5.00000	5.4
103 Diphenyl Ether	170	6.420	6.420	(0.934)	57662	5.00000	5.4
37 2-Nitroaniline	65	6.432	6.432	(0.936)	52011	10.0000	11
38 Dimethylphthalate	163	6.626	6.626	(0.964)	78547	5.00000	5.3
114 Coumarin	146	6.632	6.632	(1.294)	27044	5.00000	5.4
40 2,6-Dinitrotoluene	165	6.679	6.679	(0.972)	3249	1.00000	0.93(a)
39 Acenaphthylene	152	6.726	6.726	(0.979)	127551	5.00000	5.6
41 3-Nitroaniline	138	6.838	6.838	(0.995)	35658	10.0000	10
* 82 Acenaphthene-d10	164	6.873	6.873	(1.000)	513435	40.0000	
42 Acenaphthene	154	6.902	6.902	(1.004)	73223	5.00000	5.5
11 2,4-Dinitrophenol	184	6.943	6.943	(1.010)	16284	15.0000	9.9(a)
12 4-Nitrophenol	65	7.061	7.061	(1.027)	34954	15.0000	14(a)
43 Dibenzofuran	168	7.073	7.073	(1.029)	103384	5.00000	5.5
44 2,4-Dinitrotoluene	165	7.073	7.073	(1.029)	4078	1.00000	1.0
45 Diethylphthalate	149	7.320	7.320	(1.065)	69606	5.00000	5.0
47 Fluorene	166	7.408	7.408	(1.078)	82397	5.00000	5.5
46 4-Chlorophenyl-phenylether	204	7.414	7.414	(1.079)	39108	5.00000	5.6

Data File: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14239.d
 Report Date: 14-Nov-2012 12:07

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	7.438	7.438	(1.082)	28037	10.0000	9.9(a)
13 4,6-Dinitro-2-methylphenol	198	7.473	7.473	(0.898)	27395	15.0000	12(a)
49 N-Nitrosodiphenylamine	169	7.532	7.532	(0.905)	47732	5.00000	5.0
75 1,2-Diphenylhydrazine	77	7.573	7.573	(0.910)	81134	5.00000	4.5(a)
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.649	7.649	(1.113)	9056	5.00000	4.8(a)
50 4-Bromophenyl-phenylether	248	7.890	7.890	(0.948)	20264	5.00000	5.2
51 Hexachlorobenzene	284	7.955	7.955	(0.955)	2113	0.50000	0.53
112 Atrazine	200	8.067	8.067	(0.969)	15442	5.00000	4.8(a)
14 Pentachlorophenol	266	8.155	8.155	(0.980)	23705	15.0000	12(a)
* 83 Phenanthrene-d10	188	8.326	8.326	(1.000)	624844	40.0000	
52 Phenanthrene	178	8.343	8.343	(1.002)	92878	5.00000	5.3
53 Anthracene	178	8.390	8.390	(1.008)	91891	5.00000	5.2
54 Carbazole	167	8.555	8.555	(1.028)	72377	5.00000	5.2
55 Di-n-butylphthalate	149	8.920	8.920	(1.071)	79181	5.00000	4.5(a)
56 Fluoranthene	202	9.502	9.502	(1.141)	69281	5.00000	5.0
58 Benzidine	184	9.643	9.643	(1.158)	14646	10.0000	11
57 Pyrene	202	9.720	9.720	(0.886)	69180	5.00000	5.3
\$ 78 Terphenyl-d14	244	9.884	9.884	(0.901)	45092	5.00000	5.2
59 Butylbenzylphthalate	149	10.384	10.384	(0.947)	20572	5.00000	4.2(a)
60 3,3'-Dichlorobenzidine	252	10.943	10.943	(0.998)	24203	10.0000	11
61 Benzo(a)anthracene	228	10.955	10.955	(0.999)	4929	0.50000	0.58
* 81 Chrysene-d12	240	10.967	10.967	(1.000)	280862	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	11.031	11.031	(1.006)	22229	5.00000	3.7(a)
62 Chrysene	228	10.996	10.996	(1.003)	38250	5.00000	4.8(a)
64 Di-n-octylphthalate	149	11.820	11.820	(0.928)	23312	5.00000	3.1(a)
65 Benzo(b)fluoranthene	252	12.249	12.249	(0.962)	2665	0.50000	0.47(a)
66 Benzo(k)fluoranthene	252	12.284	12.284	(0.964)	3438	0.50000	0.53
67 Benzo(a)pyrene	252	12.667	12.667	(0.994)	2160	0.50000	0.47(a)
* 84 Perylene-d12	264	12.737	12.737	(1.000)	192508	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.114	14.114	(1.108)	1554	0.50000	0.44(aM)
69 Dibenz(a,h)anthracene	278	14.143	14.143	(1.110)	1505	0.50000	0.41(a)
70 Benzo(g,h,i)perylene	276	14.455	14.455	(1.135)	16010	5.00000	4.2(a)

QC Flag Legend

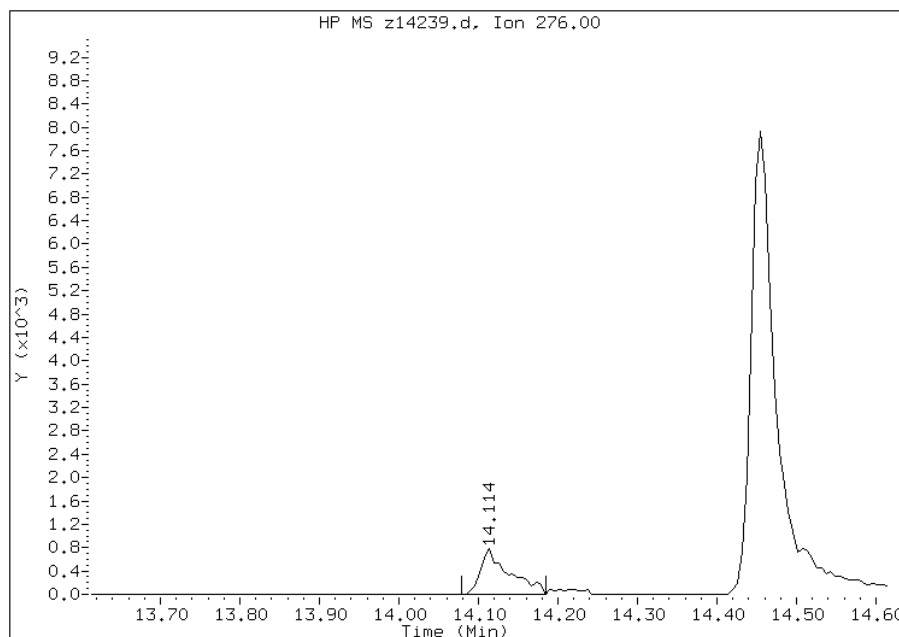
- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Manual Integration Report

Data File: z14239.d
Inj. Date and Time: 13-NOV-2012 03:03
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 11/14/2012

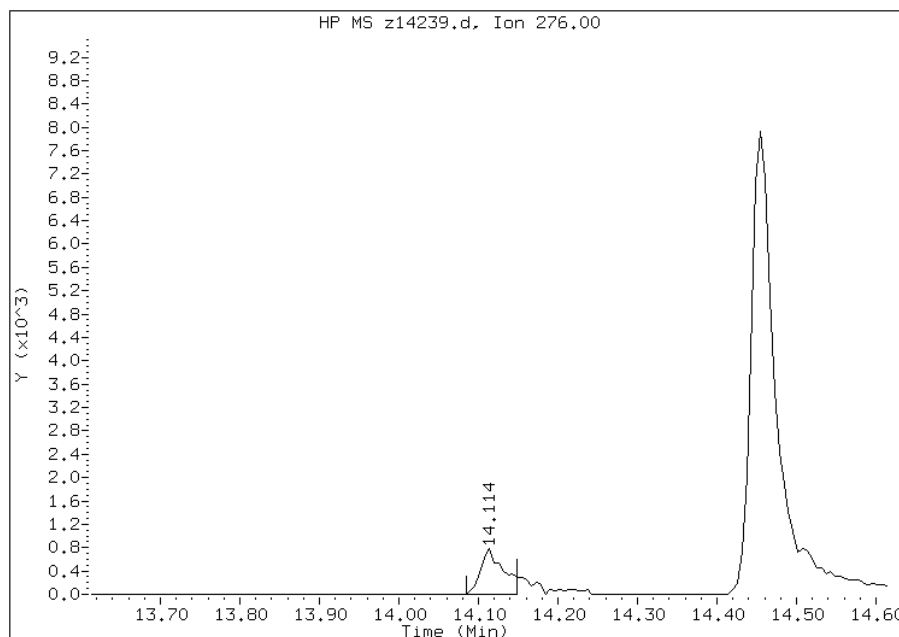
Processing Integration Results

RT: 14.11
Response: 1932
Amount: 1
Conc: 1



Manual Integration Results

RT: 14.11
Response: 1554
Amount: 0
Conc: 0



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Lab Sample ID: CCVIS 460-136933/2 Calibration Date: 11/23/2012 13:09

Instrument ID: BNAMS11 Calib Start Date: 11/13/2012 01:18

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 11/13/2012 03:03

Lab File ID: z14489.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6670	0.6531	0.0500	49000	50000	-2.1	25.0
N-Nitrosodimethylamine	Ave	0.9567	0.9330	0.0500	48800	50000	-2.5	25.0
Pyridine	Ave	1.656	1.581	0.0500	47700	50000	-4.5	25.0
Benzaldehyde	Ave	0.5568	0.6653	0.0500	59700	50000	19.5	25.0
Aniline	Ave	1.950	1.997	0.0500	51200	50000	2.4	25.0
Phenol	Ave	1.888	1.821	0.0500	48200	50000	-3.5	25.0
Bis(2-chloroethyl)ether	Ave	1.639	1.456	0.0500	44400	50000	-11.2	25.0
2-Chlorophenol	Ave	1.480	1.441	0.0500	48700	50000	-2.6	25.0
n-Decane	Ave	1.628	1.618	0.0500	49700	50000	-0.6	25.0
1,3-Dichlorobenzene	Ave	1.676	1.650	0.0500	49200	50000	-1.6	25.0
1,4-Dichlorobenzene	Ave	1.658	1.645	0.0500	49600	50000	-0.8	25.0
Benzyl alcohol	Ave	0.8215	0.7872	0.0500	47900	50000	-4.2	25.0
1,2-Dichlorobenzene	Ave	1.539	1.521	0.0500	49400	50000	-1.2	25.0
2,2'-oxybis[1-chloropropane]	Ave	1.865	1.809	0.0500	48500	50000	-3.0	25.0
2-Methylphenol	Ave	1.182	1.149	0.0500	48600	50000	-2.8	25.0
Acetophenone	Ave	1.714	1.750	0.0500	51000	50000	2.1	25.0
N-Nitrosodi-n-propylamine	Ave	0.9606	0.9610	0.0500	50000	50000	0.0	25.0
3 & 4 Methylphenol	Ave	1.191	1.153	0.0500	48400	50000	-3.2	25.0
4-Methylphenol	Ave	1.191	1.153	0.0500	48400	50000	-3.2	25.0
Hexachloroethane	Ave	0.6387	0.6614	0.0500	51800	50000	3.6	25.0
Nitrobenzene	Ave	0.5246	0.5395	0.0500	51400	50000	2.8	25.0
n,n'-Dimethylaniline	Ave	1.920	1.943	0.0500	50600	50000	1.2	25.0
Isophorone	Ave	0.6451	0.6541	0.0500	50700	50000	1.4	25.0
2-Nitrophenol	Ave	0.2089	0.2076	0.0500	49700	50000	-0.6	25.0
2,4-Dimethylphenol	Ave	0.3088	0.3011	0.0500	48800	50000	-2.5	25.0
Bis(2-chloroethoxy)methane	Ave	0.4119	0.4171	0.0500	50600	50000	1.3	25.0
2,4-Dichlorophenol	Ave	0.2739	0.2717	0.0500	49600	50000	-0.8	25.0
1,2,4-Trichlorobenzene	Ave	0.3231	0.3190	0.0500	49400	50000	-1.2	25.0
Naphthalene	Ave	1.047	1.043	0.0500	49800	50000	-0.4	25.0
4-Chloroaniline	Ave	0.3825	0.3757	0.0500	49100	50000	-1.8	25.0
Hexachlorobutadiene	Ave	0.1804	0.1784	0.0500	49400	50000	-1.1	25.0
Caprolactam	Ave	0.0779	0.0848	0.0500	54500	50000	8.9	25.0
4-Chloro-3-methylphenol	Ave	0.2573	0.2638	0.0500	51300	50000	2.5	25.0
2-Methylnaphthalene	Ave	0.6285	0.6342	0.0500	50500	50000	0.9	25.0
1-Methylnaphthalene	Ave	0.6499	0.6452	0.0500	49600	50000	-0.7	25.0
Hexachlorocyclopentadiene	Ave	0.2901	0.2788	0.0500	48100	50000	-3.9	25.0
2,4,6-Trichlorophenol	Ave	0.3778	0.3739	0.0500	49500	50000	-1.1	25.0
2,4,5-Trichlorophenol	Ave	0.3883	0.3888	0.0500	50100	50000	0.1	25.0
1,1'-Biphenyl	Ave	1.525	1.539	0.0500	50400	50000	0.9	25.0
2-Chloronaphthalene	Ave	1.173	1.155	0.0500	49200	50000	-1.5	25.0
Phenyl ether	Ave	0.8369	0.8180	0.0500	48900	50000	-2.3	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Lab Sample ID: CCVIS 460-136933/2 Calibration Date: 11/23/2012 13:09

Instrument ID: BNAMS11 Calib Start Date: 11/13/2012 01:18

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 11/13/2012 03:03

Lab File ID: z14489.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Nitroaniline	Ave	0.3648	0.3977	0.0500	54500	50000	9.0	25.0
Dimethyl phthalate	Ave	1.153	1.160	0.0500	50300	50000	0.6	25.0
Coumarin	Ave	0.1814	0.1838	0.0500	50700	50000	1.4	25.0
2,6-Dinitrotoluene	Ave	0.2730	0.2853	0.0500	52300	50000	4.5	25.0
Acenaphthylene	Ave	1.769	1.752	0.0500	49500	50000	-0.9	25.0
3-Nitroaniline	Ave	0.2680	0.2683	0.0500	50100	50000	0.1	25.0
Acenaphthene	Ave	1.040	1.058	0.0500	50900	50000	1.8	25.0
2,4-Dinitrophenol	Ave	0.1286	0.1202	0.0500	46700	50000	-6.5	25.0
4-Nitrophenol	Ave	0.1975	0.2172	0.0500	55000	50000	10.0	25.0
Dibenzofuran	Ave	1.453	1.447	0.0500	49800	50000	-0.4	25.0
2,4-Dinitrotoluene	Ave	0.3159	0.3287	0.0500	52000	50000	4.1	25.0
Diethyl phthalate	Ave	1.078	1.095	0.0500	50800	50000	1.6	25.0
Fluorene	Ave	1.167	1.179	0.0500	50500	50000	1.1	25.0
4-Chlorophenyl phenyl ether	Ave	0.5396	0.5408	0.0500	50100	50000	0.2	25.0
4-Nitroaniline	Ave	0.2207	0.2066	0.0500	46800	50000	-6.4	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1414	0.1397	0.0500	49400	50000	-1.2	25.0
N-Nitrosodiphenylamine	Ave	0.6134	0.6166	0.0500	50300	50000	0.5	25.0
1,2-Diphenylhydrazine	Ave	1.163	1.216	0.0500	52300	50000	4.5	25.0
4-Bromophenyl phenyl ether	Ave	0.2493	0.2513	0.0500	50400	50000	0.8	25.0
Hexachlorobenzene	Ave	0.2563	0.2620	0.0500	51100	50000	2.2	25.0
Atrazine	Ave	0.2041	0.2054	0.0500	50300	50000	0.6	25.0
Pentachlorophenol	Ave	0.1247	0.1426	0.0500	57200	50000	14.3	25.0
Phenanthrene	Ave	1.123	1.151	0.0500	51200	50000	2.5	25.0
Anthracene	Ave	1.134	1.169	0.0500	51500	50000	3.1	25.0
Carbazole	Ave	0.8853	0.8956	0.0500	50600	50000	1.2	25.0
Di-n-butyl phthalate	Ave	1.124	1.179	0.0500	52500	50000	4.9	25.0
Fluoranthene	Ave	0.8958	0.9226	0.0500	51500	50000	3.0	25.0
Benzidine	Ave	0.0838	0.0449*	0.0500	26800	50000	-46.5*	25.0
Pyrene	Ave	1.845	1.814	0.0500	49200	50000	-1.7	25.0
Butyl benzyl phthalate	Ave	0.7002	0.7422	0.0500	53000	50000	6.0	25.0
2,3,7,8-TCDD	Ave	0.1704	0.1885	0.0500	553	500	10.7	25.0
3,3'-Dichlorobenzidine	Ave	0.3168	0.3356	0.0500	53000	50000	5.9	25.0
Benzo[a]anthracene	Ave	1.218	1.186	0.0500	48700	50000	-2.6	25.0
Chrysene	Ave	1.140	1.165	0.0500	51100	50000	2.2	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.8504	0.9573	0.0500	56300	50000	12.6	25.0
Di-n-octyl phthalate	Ave	1.542	1.837	0.0500	59600	50000	19.2	25.0
Benzo[b]fluoranthene	Ave	1.168	1.204	0.0500	51600	50000	3.1	25.0
Benzo[k]fluoranthene	Ave	1.336	1.342	0.0500	50200	50000	0.5	25.0
Benzo[a]pyrene	Ave	0.9534	0.9904	0.0500	51900	50000	3.9	25.0
Indeno[1,2,3-cd]pyrene	Ave	0.7299	0.7974	0.0500	54600	50000	9.2	25.0
Dibenz(a,h)anthracene	Ave	0.7693	0.8437	0.0500	54800	50000	9.7	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-136933/2 Calibration Date: 11/23/2012 13:09
 Instrument ID: BNAMS11 Calib Start Date: 11/13/2012 01:18
 GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 11/13/2012 03:03
 Lab File ID: z14489.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	0.7890	0.8694	0.0500	55100	50000	10.2	25.0
2-Fluorophenol (Surr)	Ave	1.457	1.360	0.0500	46700	50000	-6.6	25.0
Phenol-d5 (Surr)	Ave	1.687	1.583	0.0500	46900	50000	-6.1	25.0
Nitrobenzene-d5 (Surr)	Ave	0.4090	0.4106	0.0500	50200	50000	0.4	25.0
2-Fluorobiphenyl	Ave	1.366	1.329	0.0500	48700	50000	-2.7	25.0
2,4,6-Tribromophenol (Surr)	Ave	0.1475	0.1474	0.0500	50000	50000	-0.0	25.0
Terphenyl-d14 (Surr)	Ave	1.241	1.195	0.0500	48100	50000	-3.7	25.0

Data File: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14489.d
 Report Date: 23-Nov-2012 13:59

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14489.d
 Lab Smp Id: CCVIS-1785657
 Inj Date : 23-NOV-2012 13:09
 Operator : BNAMS 4
 Smp Info : CCVIS-1785657
 Misc Info : 50 ppm bna 4710
 Comment :
 Method : /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/8270Cdel_08.m
 Meth Date : 23-Nov-2012 13:59 monica
 Cal Date : 23-NOV-2012 13:09
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS11.i

Quant Type: ISTD

Cal File: z14489.d

Continuing Calibration Sample

Compound Sublist: all.sub

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane		88	1.173	1.173	(0.318)	183395	50.0000	49
19 N-Nitrosodimethylamine		74	1.379	1.379	(0.374)	261994	50.0000	49
71 Pyridine		79	1.397	1.397	(0.379)	443963	50.0000	48
\$ 16 2-Fluorophenol (SUR)		112	2.438	2.438	(0.662)	382035	50.0000	47
110 Benzaldehyde		77	3.232	3.232	(0.877)	186839	50.0000	60
\$ 17 Phenol-d5 (SUR)		99	3.361	3.361	(0.912)	444629	50.0000	47
73 Aniline		93	3.355	3.355	(0.911)	560841	50.0000	51
1 Phenol		94	3.379	3.379	(0.917)	511496	50.0000	48
20 bis(2-Chloroethyl)ether		93	3.432	3.432	(0.931)	408923	50.0000	44
2 2-Chlorophenol		128	3.485	3.485	(0.946)	404764	50.0000	49
113 n-decane		43	3.549	3.549	(0.963)	454504	50.0000	50
21 1,3-Dichlorobenzene		146	3.632	3.632	(0.986)	463341	50.0000	49
* 79 1,4-Dichlorobenzene-d4		152	3.685	3.685	(1.000)	224658	40.0000	
22 1,4-Dichlorobenzene		146	3.702	3.702	(1.005)	462057	50.0000	50
74 Benzyl Alcohol		108	3.849	3.849	(1.045)	221054	50.0000	48

Data File: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14489.d
Report Date: 23-Nov-2012 13:59

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.855	3.855	(1.046)	427097	50.0000	49
3 2-Methylphenol	108	3.985	3.985	(1.081)	322553	50.0000	48
24 bis (2-chloroisopropyl) ether	45	3.979	3.979	(1.080)	508099	50.0000	48
104 Acetophenone	105	4.114	4.114	(1.117)	491525	50.0000	51
4 4-Methylphenol	108	4.149	4.149	(1.126)	323858	50.0000	48
121 3 & 4 Methylphenol	108	4.149	4.149	(1.126)	323858	50.0000	48
25 N-Nitroso-di-n-propylamine	70	4.132	4.132	(1.121)	269873	50.0000	50
26 Hexachloroethane	117	4.196	4.196	(1.139)	185740	50.0000	52
\$ 76 Nitrobenzene-d5 (SUR)	82	4.261	4.261	(0.855)	413147	50.0000	50
27 Nitrobenzene	77	4.285	4.285	(0.860)	542767	50.0000	51
107 N,N-Dimethylaniline	120	4.291	4.291	(1.164)	545770	50.0000	51
28 Isophorone	82	4.532	4.532	(0.909)	658124	50.0000	51
5 2-Nitrophenol	139	4.602	4.602	(0.923)	208909	50.0000	50
6 2,4-Dimethylphenol	122	4.685	4.685	(0.940)	302946	50.0000	49
29 bis(2-Chloroethoxy)methane	93	4.767	4.767	(0.956)	419705	50.0000	51
7 2,4-Dichlorophenol	162	4.861	4.861	(0.975)	273342	50.0000	50
30 1,2,4-Trichlorobenzene	180	4.932	4.932	(0.989)	320997	50.0000	49
* 80 Naphthalene-d8	136	4.985	4.985	(1.000)	804925	40.0000	
31 Naphthalene	128	5.002	5.002	(1.004)	1049202	50.0000	50
32 4-Chloroaniline	127	5.073	5.073	(1.018)	377984	50.0000	49
33 Hexachlorobutadiene	225	5.143	5.143	(1.032)	179470	50.0000	49
111 Caprolactam	113	5.467	5.467	(1.097)	85353	50.0000	54
8 4-Chloro-3-methylphenol	107	5.602	5.602	(1.124)	265430	50.0000	51
34 2-Methylnaphthalene	142	5.702	5.702	(1.144)	638087	50.0000	50
120 1-Methylnaphthalene	142	5.802	5.802	(1.164)	649187	50.0000	50
35 Hexachlorocyclopentadiene	237	5.873	5.873	(0.872)	129874	50.0000	48
9 2,4,6-Trichlorophenol	196	6.002	6.002	(0.892)	174136	50.0000	49
10 2,4,5-Trichlorophenol	196	6.049	6.049	(0.899)	181086	50.0000	50
\$ 77 2-Fluorobiphenyl (SUR)	172	6.079	6.079	(0.903)	619232	50.0000	49
102 Diphenyl	154	6.173	6.173	(0.917)	716877	50.0000	50
36 2-Chloronaphthalene	162	6.185	6.185	(0.919)	537988	50.0000	49
103 Diphenyl Ether	170	6.285	6.285	(0.934)	380992	50.0000	49
37 2-Nitroaniline	65	6.302	6.302	(0.936)	185214	50.0000	54
38 Dimethylphthalate	163	6.496	6.496	(0.965)	540295	50.0000	50
114 Coumarin	146	6.502	6.502	(1.304)	184953	50.0000	51
40 2,6-Dinitrotoluene	165	6.549	6.549	(0.973)	132896	50.0000	52
39 Acenaphthylene	152	6.590	6.590	(0.979)	816213	50.0000	50
41 3-Nitroaniline	138	6.714	6.714	(0.997)	124986	50.0000	50
* 82 Acenaphthene-d10	164	6.732	6.732	(1.000)	372614	40.0000	
42 Acenaphthene	154	6.767	6.767	(1.005)	493002	50.0000	51
11 2,4-Dinitrophenol	184	6.820	6.820	(1.013)	55969	50.0000	47
12 4-Nitrophenol	65	6.920	6.920	(1.028)	101165	50.0000	55
43 Dibenzofuran	168	6.937	6.937	(1.031)	674192	50.0000	50
44 2,4-Dinitrotoluene	165	6.943	6.943	(1.031)	153115	50.0000	52
45 Diethylphthalate	149	7.196	7.196	(1.069)	509967	50.0000	51
47 Fluorene	166	7.273	7.273	(1.080)	549222	50.0000	50
46 4-Chlorophenyl-phenylether	204	7.284	7.284	(1.082)	251903	50.0000	50

Data File: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14489.d
 Report Date: 23-Nov-2012 13:59

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	7.314	7.314	(1.087)	96210	50.0000	47
13 4,6-Dinitro-2-methylphenol	198	7.349	7.349	(0.898)	77792	50.0000	49
49 N-Nitrosodiphenylamine	169	7.402	7.402	(0.904)	343319	50.0000	50
75 1,2-Diphenylhydrazine	77	7.437	7.437	(0.909)	677034	50.0000	52
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.508	7.508	(1.115)	68659	50.0000	50
50 4-Bromophenyl-phenylether	248	7.755	7.755	(0.948)	139914	50.0000	50
51 Hexachlorobenzene	284	7.814	7.814	(0.955)	145894	50.0000	51
112 Atrazine	200	7.949	7.949	(0.971)	114368	50.0000	50
14 Pentachlorophenol	266	8.014	8.014	(0.979)	79367	50.0000	57
* 83 Phenanthrene-d10	188	8.184	8.184	(1.000)	445427	40.0000	
52 Phenanthrene	178	8.208	8.208	(1.003)	640585	50.0000	51
53 Anthracene	178	8.255	8.255	(1.009)	650639	50.0000	52
54 Carbazole	167	8.426	8.426	(1.029)	498666	50.0000	50
55 Di-n-butylphthalate	149	8.796	8.796	(1.075)	656509	50.0000	52
56 Fluoranthene	202	9.367	9.367	(1.144)	513712	50.0000	51
58 Benzidine	184	9.514	9.514	(1.162)	24974	50.0000	27
57 Pyrene	202	9.584	9.584	(0.886)	497545	50.0000	49
\$ 78 Terphenyl-d14	244	9.755	9.755	(0.902)	327617	50.0000	48
59 Butylbenzylphthalate	149	10.255	10.255	(0.948)	203557	50.0000	53
109 2,3,7,8-TCDD (Screen)	320	10.331	10.331	(0.955)	517	0.50000	0.55
60 3,3'-Dichlorobenzidine	252	10.796	10.796	(0.998)	92057	50.0000	53
61 Benzo(a)anthracene	228	10.802	10.802	(0.999)	325361	50.0000	49
* 81 Chrysene-d12	240	10.814	10.814	(1.000)	219416	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.896	10.896	(1.008)	262565	50.0000	56
62 Chrysene	228	10.843	10.843	(1.003)	319453	50.0000	51
64 Di-n-octylphthalate	149	11.672	11.672	(0.929)	360614	50.0000	60
65 Benzo(b)fluoranthene	252	12.078	12.078	(0.962)	236301	50.0000	52
66 Benzo(k)fluoranthene	252	12.114	12.114	(0.964)	263383	50.0000	50
67 Benzo(a)pyrene	252	12.484	12.484	(0.994)	194366	50.0000	52
* 84 Perylene-d12	264	12.561	12.561	(1.000)	157004	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.925	13.925	(1.109)	156483	50.0000	55(M)
69 Dibenz(a,h)anthracene	278	13.955	13.955	(1.111)	165575	50.0000	55
70 Benzo(g,h,i)perylene	276	14.255	14.255	(1.135)	170622	50.0000	55

QC Flag Legend

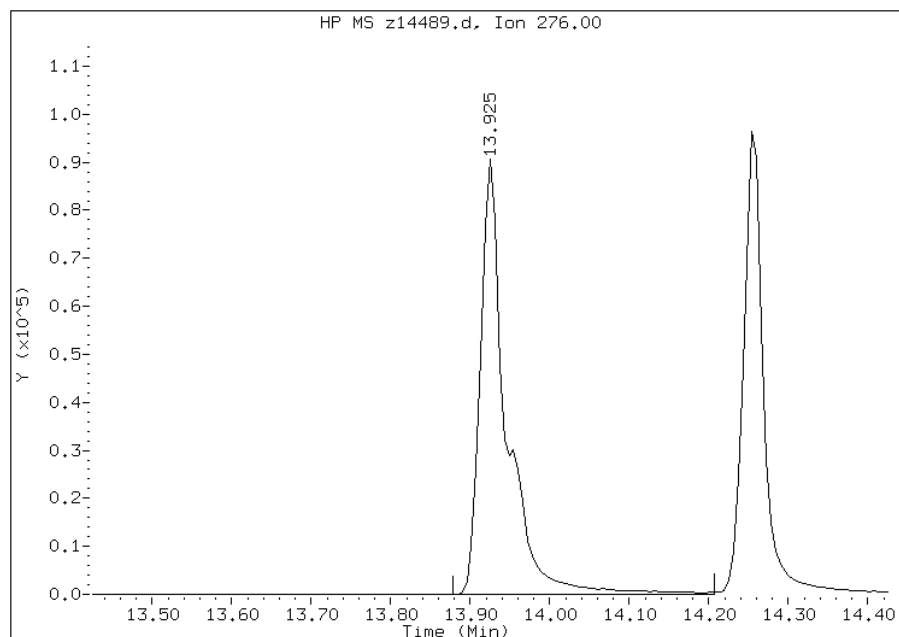
M - Compound response manually integrated.

Manual Integration Report

Data File: z14489.d
Inj. Date and Time: 23-NOV-2012 13:09
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 11/26/2012

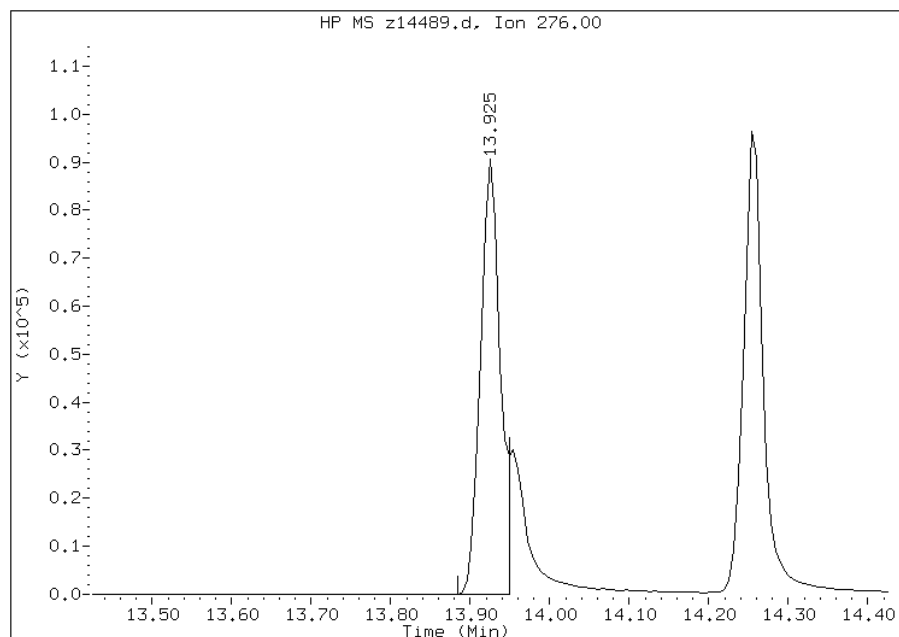
Processing Integration Results

RT: 13.93
Response: 206393
Amount: 72
Conc: 72



Manual Integration Results

RT: 13.93
Response: 156483
Amount: 55
Conc: 55



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Lab Sample ID: CCV 460-136934/1 Calibration Date: 11/23/2012 16:00

Instrument ID: BNAMS11 Calib Start Date: 11/13/2012 01:18

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 11/13/2012 03:03

Lab File ID: z14496.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6670	0.6715	0.0500	50300	50000	0.7	25.0
N-Nitrosodimethylamine	Ave	0.9567	0.9420	0.0500	49200	50000	-1.5	25.0
Pyridine	Ave	1.656	1.607	0.0500	48500	50000	-3.0	25.0
Benzaldehyde	Ave	0.5568	0.7077	0.0500	63600	50000	27.1*	25.0
Aniline	Ave	1.950	1.993	0.0500	51100	50000	2.2	25.0
Phenol	Ave	1.888	1.798	0.0500	47600	50000	-4.8	25.0
Bis(2-chloroethyl)ether	Ave	1.639	1.449	0.0500	44200	50000	-11.6	25.0
2-Chlorophenol	Ave	1.480	1.443	0.0500	48700	50000	-2.5	25.0
n-Decane	Ave	1.628	1.558	0.0500	47900	50000	-4.3	25.0
1,3-Dichlorobenzene	Ave	1.676	1.674	0.0500	49900	50000	-0.2	25.0
1,4-Dichlorobenzene	Ave	1.658	1.648	0.0500	49700	50000	-0.6	25.0
Benzyl alcohol	Ave	0.8215	0.7627	0.0500	46400	50000	-7.2	25.0
1,2-Dichlorobenzene	Ave	1.539	1.513	0.0500	49200	50000	-1.7	25.0
2,2'-oxybis[1-chloropropane]	Ave	1.865	1.723	0.0500	46200	50000	-7.6	25.0
2-Methylphenol	Ave	1.182	1.123	0.0500	47500	50000	-5.0	25.0
Acetophenone	Ave	1.714	1.738	0.0500	50700	50000	1.4	25.0
N-Nitrosodi-n-propylamine	Ave	0.9606	0.9655	0.0500	50300	50000	0.5	25.0
3 & 4 Methylphenol	Ave	1.191	1.130	0.0500	47400	50000	-5.1	25.0
4-Methylphenol	Ave	1.191	1.130	0.0500	47400	50000	-5.1	25.0
Hexachloroethane	Ave	0.6387	0.6488	0.0500	50800	50000	1.6	25.0
Nitrobenzene	Ave	0.5246	0.5304	0.0500	50500	50000	1.1	25.0
n,n'-Dimethylaniline	Ave	1.920	1.949	0.0500	50700	50000	1.5	25.0
Isophorone	Ave	0.6451	0.6412	0.0500	49700	50000	-0.6	25.0
2-Nitrophenol	Ave	0.2089	0.2079	0.0500	49800	50000	-0.5	25.0
2,4-Dimethylphenol	Ave	0.3088	0.3023	0.0500	48900	50000	-2.1	25.0
Bis(2-chloroethoxy)methane	Ave	0.4119	0.4092	0.0500	49700	50000	-0.7	25.0
2,4-Dichlorophenol	Ave	0.2739	0.2668	0.0500	48700	50000	-2.6	25.0
1,2,4-Trichlorobenzene	Ave	0.3231	0.3181	0.0500	49200	50000	-1.5	25.0
Naphthalene	Ave	1.047	1.046	0.0500	50000	50000	-0.0	25.0
4-Chloroaniline	Ave	0.3825	0.3825	0.0500	50000	50000	-0.0	25.0
Hexachlorobutadiene	Ave	0.1804	0.1785	0.0500	49500	50000	-1.1	25.0
Caprolactam	Ave	0.0779	0.0845	0.0500	54200	50000	8.4	25.0
4-Chloro-3-methylphenol	Ave	0.2573	0.2560	0.0500	49700	50000	-0.5	25.0
2-Methylnaphthalene	Ave	0.6285	0.6285	0.0500	50000	50000	0.0	25.0
1-Methylnaphthalene	Ave	0.6499	0.6344	0.0500	48800	50000	-2.4	25.0
Hexachlorocyclopentadiene	Ave	0.2901	0.2977	0.0500	51300	50000	2.6	25.0
2,4,6-Trichlorophenol	Ave	0.3778	0.3747	0.0500	49600	50000	-0.8	25.0
2,4,5-Trichlorophenol	Ave	0.3883	0.3814	0.0500	49100	50000	-1.8	25.0
1,1'-Biphenyl	Ave	1.525	1.525	0.0500	50000	50000	-0.0	25.0
2-Chloronaphthalene	Ave	1.173	1.175	0.0500	50100	50000	0.1	25.0
Phenyl ether	Ave	0.8369	0.8280	0.0500	49500	50000	-1.1	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Lab Sample ID: CCV 460-136934/1 Calibration Date: 11/23/2012 16:00

Instrument ID: BNAMS11 Calib Start Date: 11/13/2012 01:18

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 11/13/2012 03:03

Lab File ID: z14496.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Nitroaniline	Ave	0.3648	0.3774	0.0500	51700	50000	3.5	25.0
Coumarin	Ave	0.1814	0.1805	0.0500	49800	50000	-0.5	25.0
Dimethyl phthalate	Ave	1.153	1.158	0.0500	50300	50000	0.5	25.0
2,6-Dinitrotoluene	Ave	0.2730	0.2838	0.0500	52000	50000	4.0	25.0
Acenaphthylene	Ave	1.769	1.743	0.0500	49300	50000	-1.5	25.0
3-Nitroaniline	Ave	0.2680	0.2667	0.0500	49800	50000	-0.5	25.0
Acenaphthene	Ave	1.040	1.048	0.0500	50400	50000	0.8	25.0
2,4-Dinitrophenol	Ave	0.1286	0.1263	0.0500	49100	50000	-1.8	25.0
4-Nitrophenol	Ave	0.1975	0.1902	0.0500	48100	50000	-3.7	25.0
Dibenzofuran	Ave	1.453	1.446	0.0500	49700	50000	-0.5	25.0
2,4-Dinitrotoluene	Ave	0.3159	0.3319	0.0500	52500	50000	5.1	25.0
Diethyl phthalate	Ave	1.078	1.094	0.0500	50800	50000	1.5	25.0
Fluorene	Ave	1.167	1.168	0.0500	50100	50000	0.1	25.0
4-Chlorophenyl phenyl ether	Ave	0.5396	0.5420	0.0500	50200	50000	0.4	25.0
4-Nitroaniline	Ave	0.2207	0.2164	0.0500	49000	50000	-1.9	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1414	0.1449	0.0500	51200	50000	2.4	25.0
N-Nitrosodiphenylamine	Ave	0.6134	0.6044	0.0500	49300	50000	-1.5	25.0
1,2-Diphenylhydrazine	Ave	1.163	1.171	0.0500	50400	50000	0.7	25.0
4-Bromophenyl phenyl ether	Ave	0.2493	0.2468	0.0500	49500	50000	-1.0	25.0
Hexachlorobenzene	Ave	0.2563	0.2584	0.0500	50400	50000	0.8	25.0
Atrazine	Ave	0.2041	0.2073	0.0500	50800	50000	1.5	25.0
Pentachlorophenol	Ave	0.1247	0.1357	0.0500	54400	50000	8.8	25.0
Phenanthrene	Ave	1.123	1.125	0.0500	50100	50000	0.2	25.0
Anthracene	Ave	1.134	1.153	0.0500	50900	50000	1.7	25.0
Carbazole	Ave	0.8853	0.8912	0.0500	50300	50000	0.7	25.0
Di-n-butyl phthalate	Ave	1.124	1.177	0.0500	52400	50000	4.7	25.0
Fluoranthene	Ave	0.8958	0.9214	0.0500	51400	50000	2.9	25.0
Benzidine	Ave	0.0838	0.0888	0.0500	53000	50000	6.0	25.0
Pyrene	Ave	1.845	1.768	0.0500	47900	50000	-4.2	25.0
Butyl benzyl phthalate	Ave	0.7002	0.7374	0.0500	52700	50000	5.3	25.0
2,3,7,8-TCDD	Ave	0.1704	0.1843	0.0500	541	500	8.2	25.0
3,3'-Dichlorobenzidine	Ave	0.3168	0.3512	0.0500	55400	50000	10.9	25.0
Benzo[a]anthracene	Ave	1.218	1.167	0.0500	47900	50000	-4.2	25.0
Chrysene	Ave	1.140	1.142	0.0500	50100	50000	0.2	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.8504	0.9508	0.0500	55900	50000	11.8	25.0
Di-n-octyl phthalate	Ave	1.542	1.732	0.0500	56200	50000	12.3	25.0
Benzo[b]fluoranthene	Ave	1.168	1.160	0.0500	49700	50000	-0.7	25.0
Benzo[k]fluoranthene	Ave	1.336	1.353	0.0500	50600	50000	1.3	25.0
Benzo[a]pyrene	Ave	0.9534	0.9665	0.0500	50700	50000	1.4	25.0
Indeno[1,2,3-cd]pyrene	Ave	0.7299	0.6948	0.0500	47600	50000	-4.8	25.0
Dibenz(a,h)anthracene	Ave	0.7693	0.8423	0.0500	54700	50000	9.5	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Lab Sample ID: CCV 460-136934/1 Calibration Date: 11/23/2012 16:00
Instrument ID: BNAMS11 Calib Start Date: 11/13/2012 01:18
GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 11/13/2012 03:03
Lab File ID: z14496.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	0.7890	0.8739	0.0500	55400	50000	10.8	25.0
2-Fluorophenol (Surr)	Ave	1.457	1.360	0.0500	46700	50000	-6.7	25.0
Phenol-d5 (Surr)	Ave	1.687	1.575	0.0500	46700	50000	-6.6	25.0
Nitrobenzene-d5 (Surr)	Ave	0.4090	0.4069	0.0500	49800	50000	-0.5	25.0
2-Fluorobiphenyl	Ave	1.366	1.330	0.0500	48700	50000	-2.7	25.0
2,4,6-Tribromophenol (Surr)	Ave	0.1475	0.1459	0.0500	49500	50000	-1.1	25.0
Terphenyl-d14 (Surr)	Ave	1.241	1.185	0.0500	47800	50000	-4.5	25.0

Data File: /chem/BNAMS11.i/8270/11-13-12del/23nov12abr.b/z14496.d
 Report Date: 24-Nov-2012 13:42

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/11-13-12del/23nov12abr.b/z14496.d
 Lab Smp Id: CCV-1785657
 Inj Date : 23-NOV-2012 16:00
 Operator : BNAMS 4
 Smp Info : CCV-1785657
 Misc Info : 50 ppm bna 4710
 Comment :
 Method : /chem/BNAMS11.i/8270/11-13-12del/23nov12abr.b/8270Cdel_08.m
 Meth Date : 24-Nov-2012 13:42 ranav
 Cal Date : 23-NOV-2012 16:00
 Als bottle: 9
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS11.i

Quant Type: ISTD

Cal File: z14496.d

Continuing Calibration Sample

Compound Sublist: all.sub

Concentration Formula: Amt * DF * 1000/Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane		88	1.161	1.161 (0.315)		188150	50.0000	50
19 N-Nitrosodimethylamine		74	1.373	1.373 (0.373)		263949	50.0000	49
71 Pyridine		79	1.391	1.391 (0.377)		450230	50.0000	48
\$ 16 2-Fluorophenol (SUR)		112	2.438	2.438 (0.662)		381118	50.0000	47
110 Benzaldehyde		77	3.232	3.232 (0.877)		198309	50.0000	64
\$ 17 Phenol-d5 (SUR)		99	3.361	3.361 (0.912)		441380	50.0000	47
73 Aniline		93	3.355	3.355 (0.911)		558305	50.0000	51
1 Phenol		94	3.379	3.379 (0.917)		503800	50.0000	48
20 bis(2-Chloroethyl)ether		93	3.432	3.432 (0.931)		406027	50.0000	44
2 2-Chlorophenol		128	3.485	3.485 (0.946)		404332	50.0000	49
113 n-decane		43	3.550	3.550 (0.963)		436598	50.0000	48
21 1,3-Dichlorobenzene		146	3.626	3.626 (0.984)		468925	50.0000	50
* 79 1,4-Dichlorobenzene-d4		152	3.685	3.685 (1.000)		224160	40.0000	
22 1,4-Dichlorobenzene		146	3.702	3.702 (1.005)		461707	50.0000	50
74 Benzyl Alcohol		108	3.849	3.849 (1.045)		213694	50.0000	46

Data File: /chem/BNAMS11.i/8270/11-13-12del/23nov12abr.b/z14496.d
Report Date: 24-Nov-2012 13:42

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.855	3.855	(1.046)	424025	50.0000	49
3 2-Methylphenol	108	3.985	3.985	(1.081)	314772	50.0000	48
24 bis (2-chloroisopropyl) ether	45	3.985	3.985	(1.081)	482914	50.0000	46
104 Acetophenone	105	4.114	4.114	(1.117)	486957	50.0000	51
4 4-Methylphenol	108	4.149	4.149	(1.126)	316673	50.0000	47
121 3 & 4 Methylphenol	108	4.149	4.149	(1.126)	316673	50.0000	47
25 N-Nitroso-di-n-propylamine	70	4.132	4.132	(1.121)	270518	50.0000	50(M)
26 Hexachloroethane	117	4.197	4.197	(1.139)	181800	50.0000	51
\$ 76 Nitrobenzene-d5 (SUR)	82	4.261	4.261	(0.855)	404034	50.0000	50
27 Nitrobenzene	77	4.285	4.285	(0.860)	526575	50.0000	50
107 N,N-Dimethylaniline	120	4.291	4.291	(1.164)	546040	50.0000	51
28 Isophorone	82	4.532	4.532	(0.909)	636606	50.0000	50
5 2-Nitrophenol	139	4.602	4.602	(0.923)	206386	50.0000	50
6 2,4-Dimethylphenol	122	4.685	4.685	(0.940)	300093	50.0000	49
29 bis(2-Chloroethoxy)methane	93	4.767	4.767	(0.956)	406272	50.0000	50
7 2,4-Dichlorophenol	162	4.861	4.861	(0.975)	264905	50.0000	49
30 1,2,4-Trichlorobenzene	180	4.932	4.932	(0.989)	315866	50.0000	49
* 80 Naphthalene-d8	136	4.985	4.985	(1.000)	794301	40.0000	
31 Naphthalene	128	5.002	5.002	(1.004)	1038690	50.0000	50
32 4-Chloroaniline	127	5.073	5.073	(1.018)	379722	50.0000	50
33 Hexachlorobutadiene	225	5.144	5.144	(1.032)	177195	50.0000	49
111 Caprolactam	113	5.461	5.461	(1.096)	83849	50.0000	54
8 4-Chloro-3-methylphenol	107	5.602	5.602	(1.124)	254193	50.0000	50
34 2-Methylnaphthalene	142	5.702	5.702	(1.144)	624034	50.0000	50
120 1-Methylnaphthalene	142	5.796	5.796	(1.163)	629878	50.0000	49
35 Hexachlorocyclopentadiene	237	5.873	5.873	(0.872)	134360	50.0000	51
9 2,4,6-Trichlorophenol	196	6.002	6.002	(0.892)	169115	50.0000	50
10 2,4,5-Trichlorophenol	196	6.049	6.049	(0.899)	172142	50.0000	49
\$ 77 2-Fluorobiphenyl (SUR)	172	6.079	6.079	(0.903)	600177	50.0000	49
102 Diphenyl	154	6.173	6.173	(0.917)	688143	50.0000	50
36 2-Chloronaphthalene	162	6.185	6.185	(0.919)	530163	50.0000	50
103 Diphenyl Ether	170	6.279	6.279	(0.933)	373721	50.0000	49
37 2-Nitroaniline	65	6.302	6.302	(0.936)	170322	50.0000	52
38 Dimethylphthalate	163	6.496	6.496	(0.965)	522871	50.0000	50
114 Coumarin	146	6.496	6.496	(1.303)	179194	50.0000	50
40 2,6-Dinitrotoluene	165	6.549	6.549	(0.973)	128102	50.0000	52
39 Acenaphthylene	152	6.590	6.590	(0.979)	786637	50.0000	49
41 3-Nitroaniline	138	6.708	6.708	(0.996)	120388	50.0000	50
* 82 Acenaphthene-d10	164	6.732	6.732	(1.000)	361073	40.0000	
42 Acenaphthene	154	6.761	6.761	(1.004)	473164	50.0000	50
11 2,4-Dinitrophenol	184	6.814	6.814	(1.012)	57007	50.0000	49
12 4-Nitrophenol	65	6.920	6.920	(1.028)	85824	50.0000	48
43 Dibenzofuran	168	6.938	6.938	(1.031)	652421	50.0000	50
44 2,4-Dinitrotoluene	165	6.943	6.943	(1.031)	149784	50.0000	52
45 Diethylphthalate	149	7.196	7.196	(1.069)	493854	50.0000	51
47 Fluorene	166	7.273	7.273	(1.080)	527200	50.0000	50
46 4-Chlorophenyl-phenylether	204	7.279	7.279	(1.081)	244606	50.0000	50

Data File: /chem/BNAMS11.i/8270/11-13-12del/23nov12abr.b/z14496.d
 Report Date: 24-Nov-2012 13:42

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	7.314	7.314	(1.087)	97682	50.0000	49
13 4,6-Dinitro-2-methylphenol	198	7.349	7.349	(0.898)	79051	50.0000	51
49 N-Nitrosodiphenylamine	169	7.402	7.402	(0.904)	329797	50.0000	49
75 1,2-Diphenylhydrazine	77	7.438	7.438	(0.909)	639096	50.0000	50
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.508	7.508	(1.115)	65863	50.0000	49
50 4-Bromophenyl-phenylether	248	7.755	7.755	(0.948)	134650	50.0000	49
51 Hexachlorobenzene	284	7.814	7.814	(0.955)	141009	50.0000	50
112 Atrazine	200	7.943	7.943	(0.971)	113089	50.0000	51
14 Pentachlorophenol	266	8.014	8.014	(0.979)	74013	50.0000	54
* 83 Phenanthrene-d10	188	8.184	8.184	(1.000)	436510	40.0000	
52 Phenanthrene	178	8.208	8.208	(1.003)	613873	50.0000	50
53 Anthracene	178	8.255	8.255	(1.009)	629304	50.0000	51
54 Carbazole	167	8.426	8.426	(1.029)	486293	50.0000	50
55 Di-n-butylphthalate	149	8.790	8.790	(1.074)	642248	50.0000	52
56 Fluoranthene	202	9.367	9.367	(1.144)	502757	50.0000	51
58 Benzidine	184	9.514	9.514	(1.162)	48430	50.0000	53
57 Pyrene	202	9.584	9.584	(0.886)	489392	50.0000	48
\$ 78 Terphenyl-d14	244	9.755	9.755	(0.902)	328005	50.0000	48
59 Butylbenzylphthalate	149	10.255	10.255	(0.948)	204073	50.0000	53
109 2,3,7,8-TCDD (Screen)	320	10.331	10.331	(0.955)	510	0.50000	0.54
60 3,3'-Dichlorobenzidine	252	10.796	10.796	(0.998)	97201	50.0000	55
61 Benzo(a)anthracene	228	10.802	10.802	(0.999)	322910	50.0000	48
* 81 Chrysene-d12	240	10.814	10.814	(1.000)	221394	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.890	10.890	(1.007)	263125	50.0000	56
62 Chrysene	228	10.843	10.843	(1.003)	316087	50.0000	50
64 Di-n-octylphthalate	149	11.667	11.667	(0.929)	347603	50.0000	56
65 Benzo(b)fluoranthene	252	12.078	12.078	(0.962)	232746	50.0000	50
66 Benzo(k)fluoranthene	252	12.114	12.114	(0.965)	271460	50.0000	51
67 Benzo(a)pyrene	252	12.484	12.484	(0.994)	193960	50.0000	51
* 84 Perylene-d12	264	12.555	12.555	(1.000)	160541	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.925	13.925	(1.109)	139425	50.0000	48(M)
69 Dibenz(a,h)anthracene	278	13.955	13.955	(1.111)	169026	50.0000	55
70 Benzo(g,h,i)perylene	276	14.255	14.255	(1.135)	175378	50.0000	55

QC Flag Legend

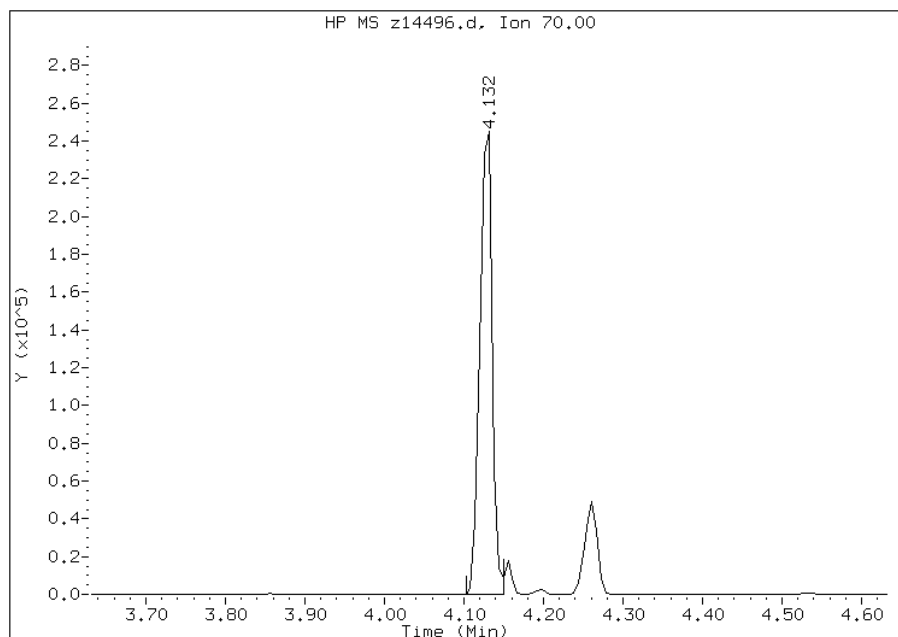
M - Compound response manually integrated.

Manual Integration Report

Data File: z14496.d
Inj. Date and Time: 23-NOV-2012 16:00
Instrument ID: BNAMS11.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 11/26/2012

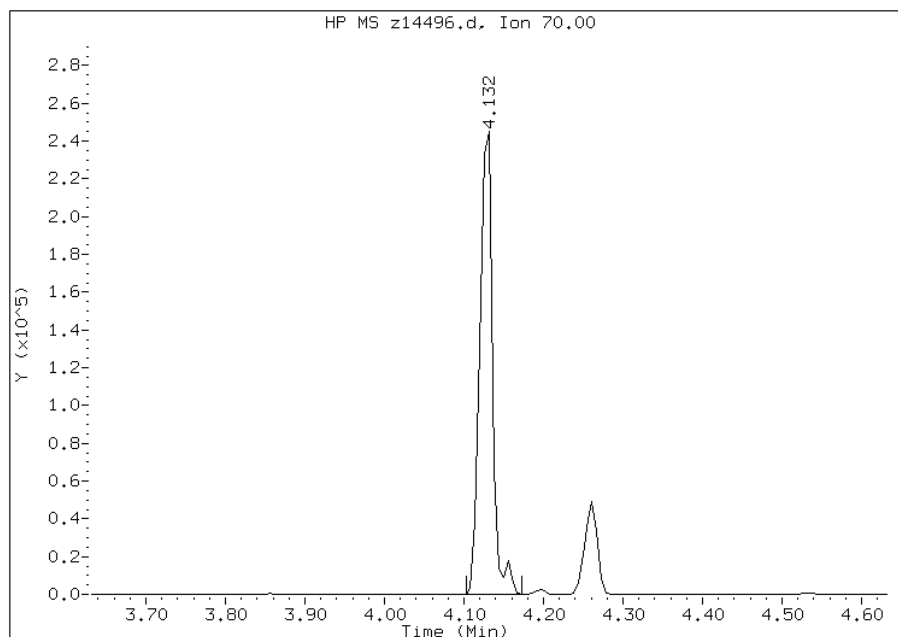
Processing Integration Results

RT: 4.13
Response: 261284
Amount: 49
Conc: 49



Manual Integration Results

RT: 4.13
Response: 270518
Amount: 50
Conc: 50



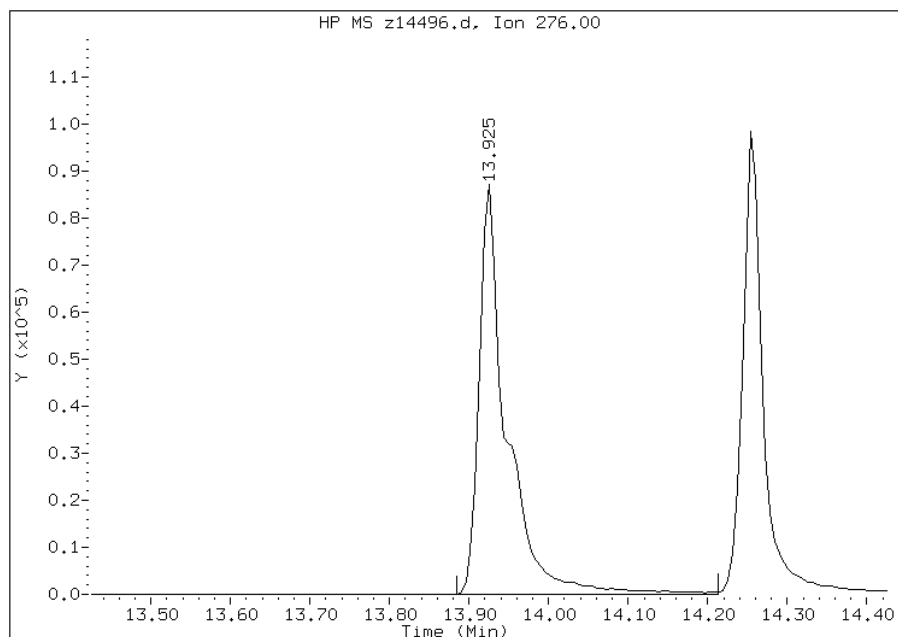
Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: z14496.d
Inj. Date and Time: 23-NOV-2012 16:00
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 11/26/2012

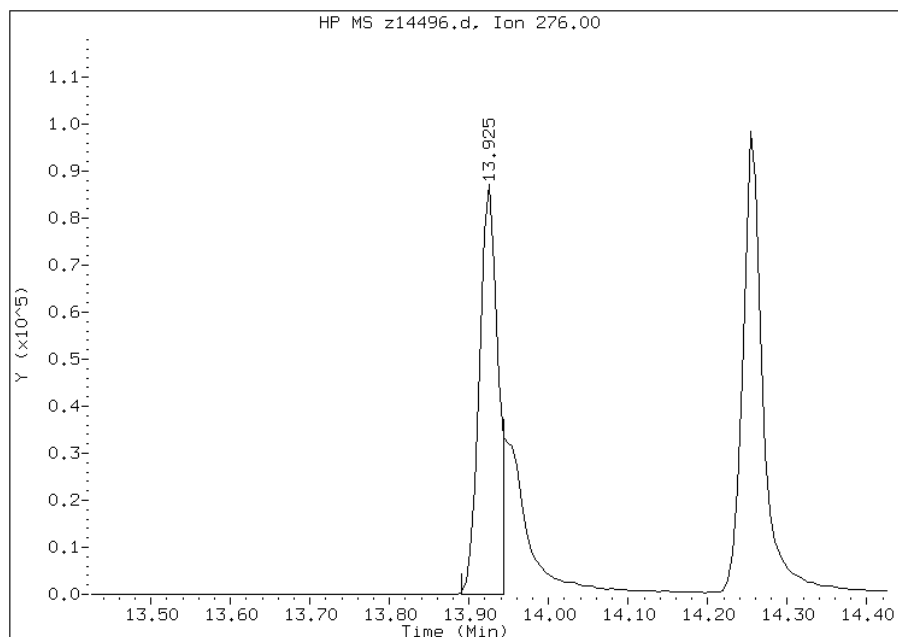
Processing Integration Results

RT: 13.93
Response: 207752
Amount: 71
Conc: 71



Manual Integration Results

RT: 13.93
Response: 139425
Amount: 48
Conc: 48



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14234.d
Report Date: 14-Nov-2012 11:50

TestAmerica

Data file : /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14234.d
Lab Smp Id: DFTPP-1653831
Inj Date : 13-NOV-2012 01:02
Operator : BNA2
Smp Info : DFTPP-1653831
Misc Info : 25 ppm bna4687
Comment :
Method : /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/BNADFTPP.m
Meth Date : 12-Nov-2012 13:10 monica
Cal Date : 11-JAN-2010 13:45
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50

Inst ID: BNAMS11.i
Quant Type: ESTD
Cal File: h85796.d
QC Sample: DFTPP
Compound Sublist: all.sub
Sample Matrix: None

CONCENTRATIONS									
					ON-COL	FINAL			
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====		=====
1 dftpp					CAS #:				
5.563	5.810	-0.247	198	14905			0.00-	100.00	100.00
5.563	5.810	-0.247	51	7417			30.00-	60.00	49.76
5.563	5.810	-0.247	68	102			0.00-	2.00	1.42
5.563	5.810	-0.247	69	7188			0.00-	0.00	48.23
5.563	5.810	-0.247	70	0			0.00-	2.00	0.00
5.563	5.810	-0.247	127	8077			40.00-	60.00	54.19
5.563	5.810	-0.247	197	100			0.00-	1.00	0.67
5.563	5.810	-0.247	199	1012			5.00-	9.00	6.79
5.563	5.810	-0.247	275	3742			10.00-	30.00	25.11
5.563	5.810	-0.247	365	508			1.00-	0.00	3.41
5.563	5.810	-0.247	441	1375			0.01-	100.00	74.61
5.563	5.810	-0.247	442	9627			40.00-	110.00	64.59
5.563	5.810	-0.247	443	1843			17.00-	23.00	19.14

Data File: z14234.d

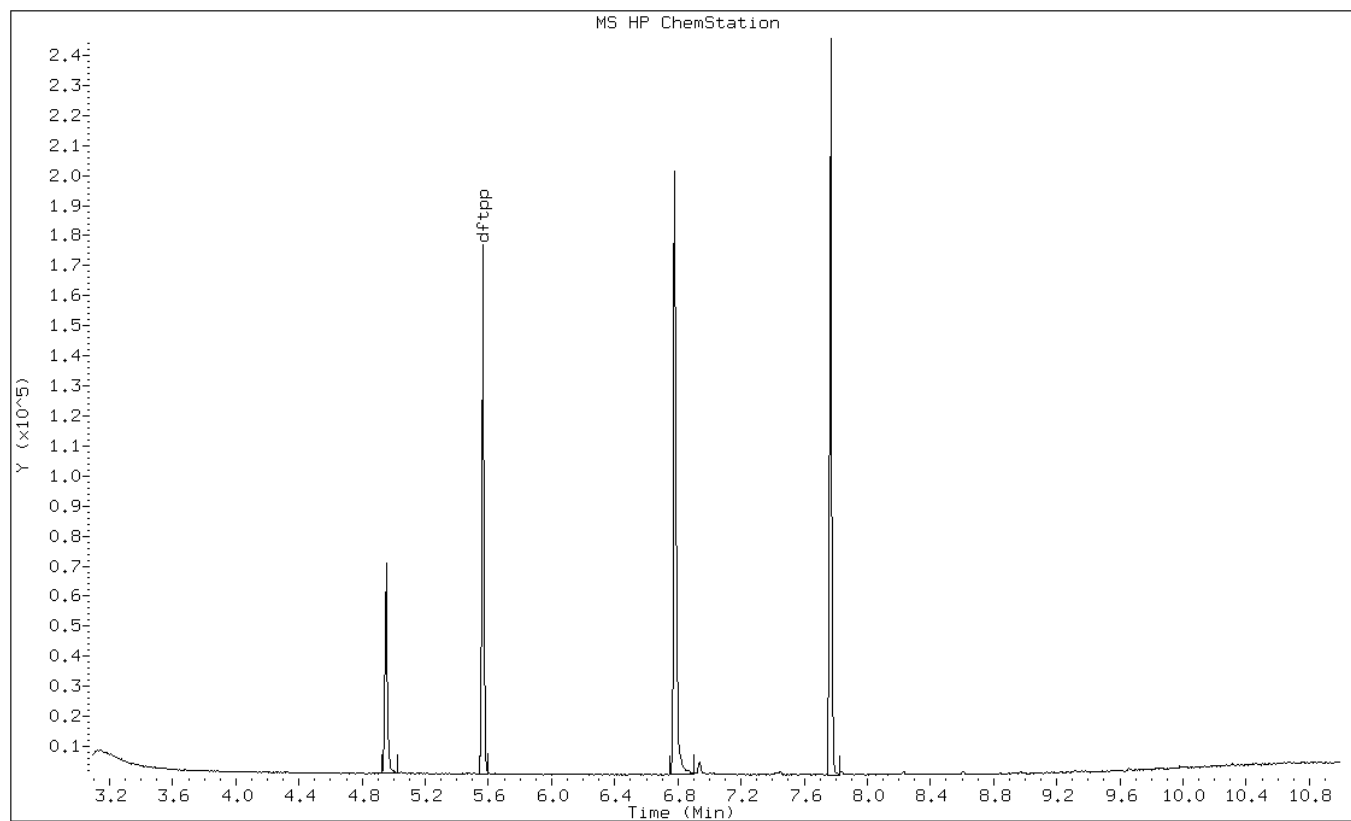
Date: 13-NOV-2012 01:02

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1653831

Operator: BNA2



Data File: z14234.d

Date: 13-NOV-2012 01:02

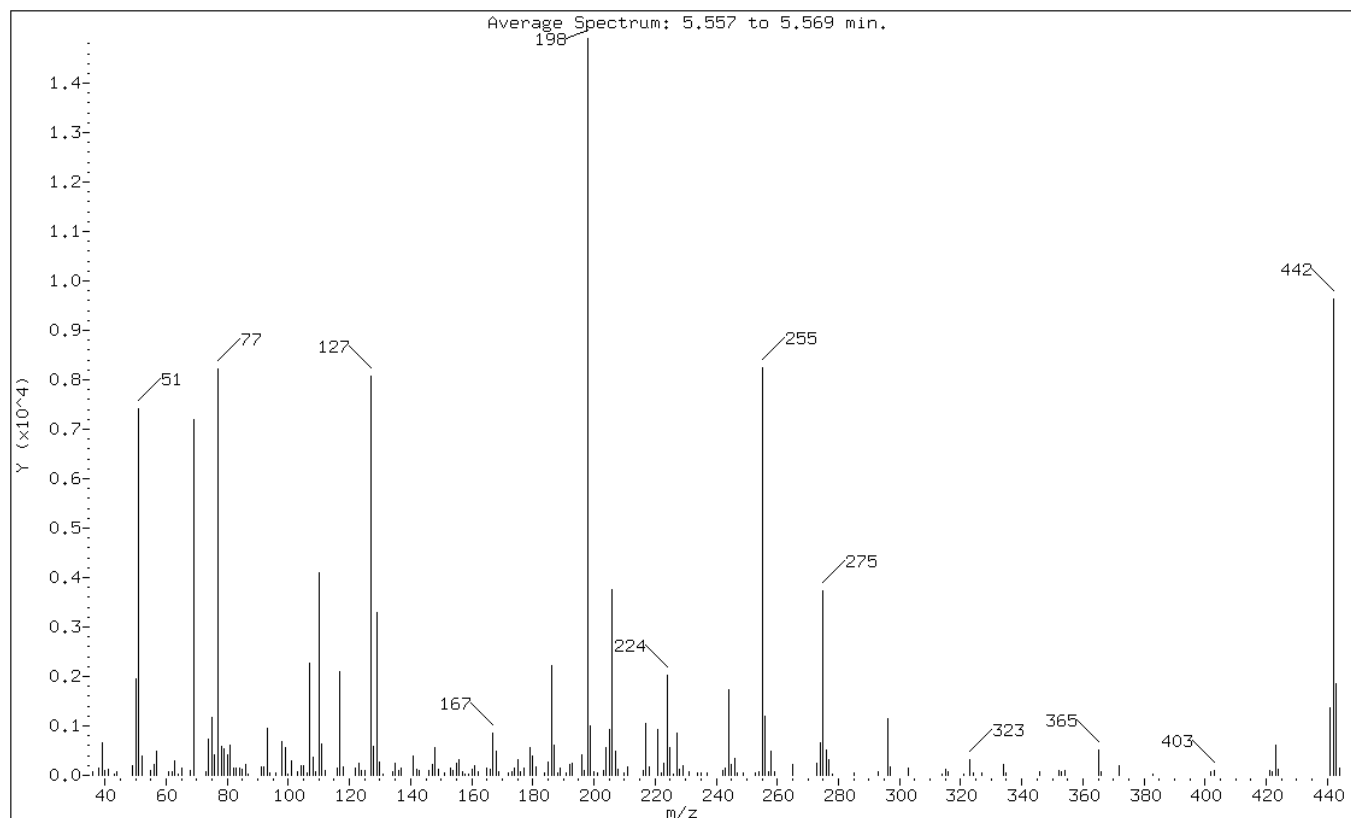
Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1653831

Operator: BNA2

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	49.76
68	Less than 2.00% of mass 69	0.68 (1.42)
69	Mass 69 relative abundance	48.23
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	54.19
197	Less than 1.00% of mass 198	0.67
199	5.00 - 9.00% of mass 198	6.79
275	10.00 - 30.00% of mass 198	25.11
365	Greater than 1.00% of mass 198	3.41
441	0.01 - 100.00% of mass 443	9.23 (74.61)
442	40.00 - 110.00% of mass 198	64.59
443	17.00 - 23.00% of mass 442	12.36 (19.14)

Data File: z14234.d

Date: 13-NOV-2012 01:02

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1653831

Operator: BNA2

Data File: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14234.d

Spectrum: Average Spectrum: 5.557 to 5.569 min.

Location of Maximum: 198.00

Number of points: 195

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	85	107.00	2267	176.00	85	247.00	51
38.00	137	108.00	354	177.00	142	249.00	47
39.00	647	109.00	68	179.00	563	253.00	39
40.00	103	110.00	4098	180.00	388	254.00	73
41.00	113	111.00	627	181.00	165	255.00	8239
43.00	35	112.00	87	184.00	41	256.00	1192
44.00	82	116.00	142	185.00	264	257.00	71
49.00	206	117.00	2094	186.00	2218	258.00	493
50.00	1960	118.00	173	187.00	622	259.00	67
51.00	7417	122.00	154	188.00	42	265.00	222
52.00	387	123.00	232	189.00	140	273.00	256
55.00	97	124.00	105	191.00	52	274.00	666
56.00	215	125.00	109	192.00	210	275.00	3742
57.00	499	127.00	8077	193.00	236	276.00	519
61.00	80	128.00	584	196.00	411	277.00	313
62.00	84	129.00	3294	197.00	100	278.00	23
63.00	300	130.00	268	198.00	14905	285.00	44
64.00	26	131.00	21	199.00	1012	293.00	71
65.00	139	134.00	71	200.00	63	296.00	1138
68.00	102	135.00	252	201.00	52	297.00	180
69.00	7188	136.00	102	203.00	107	303.00	147
73.00	72	137.00	150	204.00	559	314.00	20
74.00	721	141.00	388	205.00	922	315.00	118
75.00	1168	142.00	121	206.00	3752	316.00	68
76.00	403	143.00	103	207.00	494	321.00	20
77.00	8220	146.00	92	208.00	124	323.00	326
78.00	590	147.00	227	210.00	48	324.00	48
79.00	544	148.00	554	211.00	171	327.00	58
80.00	424	149.00	124	216.00	89	334.00	215
81.00	599	151.00	50	217.00	1042	335.00	53
82.00	137	153.00	151	218.00	164	346.00	77
83.00	156	154.00	103	221.00	923	352.00	91
84.00	135	155.00	233	222.00	59	353.00	64
85.00	121	156.00	325	223.00	251	354.00	107
86.00	225	157.00	62	224.00	2029	365.00	508
87.00	36	158.00	22	225.00	567	366.00	61
91.00	180	159.00	21	226.00	19	372.00	185
92.00	165	160.00	123	227.00	849	383.00	17
93.00	945	161.00	188	228.00	125	402.00	69
94.00	43	162.00	62	229.00	202	403.00	107

96.00	40	165.00	148	231.00	71	421.00	97
98.00	677	166.00	117	234.00	49	422.00	74
99.00	557	167.00	856	235.00	54	423.00	616
100.00	23	168.00	500	237.00	56	424.00	113
101.00	293	169.00	67	242.00	87	441.00	1375
+-----+-----+-----+-----+-----+-----+-----+-----+							
103.00	81	172.00	51	243.00	139	442.00	9627
104.00	190	173.00	69	244.00	1731	443.00	1843
105.00	192	174.00	156	245.00	213	444.00	155
106.00	52	175.00	309	246.00	351		
+-----+-----+-----+-----+-----+-----+-----+-----+							

Data File: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14488.d
 Report Date: 23-Nov-2012 14:00

TestAmerica

Data file : /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14488.d
 Lab Smp Id: DFTPP-1653831
 Inj Date : 23-NOV-2012 12:52
 Operator : BNA2
 Smp Info : DFTPP-1653831
 Misc Info : bna4687
 Comment :
 Method : /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/BNADFTPP.m
 Meth Date : 16-Nov-2012 14:40 monica
 Cal Date : 11-JAN-2010 13:45
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: BNAMS11.i
 Quant Type: ESTD
 Cal File: h85796.d
 QC Sample: DFTPP
 Compound Sublist: all.sub
 Sample Matrix: None

					CONCENTRATIONS				
					ON-COL	FINAL			
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
1 dftpp					CAS #:				
5.410	5.810	-0.400	198	12229			0.00- 100.00	100.00	
5.410	5.810	-0.400	51	5930			30.00- 60.00	48.49	
5.410	5.810	-0.400	68	102			0.00- 2.00	1.82	
5.410	5.810	-0.400	69	5612			0.00- 0.00	45.89	
5.410	5.810	-0.400	70	41			0.00- 2.00	0.73	
5.410	5.810	-0.400	127	6442			40.00- 60.00	52.68	
5.410	5.810	-0.400	197	0			0.00- 1.00	0.00	
5.410	5.810	-0.400	199	781			5.00- 9.00	6.39	
5.410	5.810	-0.400	275	3196			10.00- 30.00	26.13	
5.410	5.810	-0.400	365	477			1.00- 0.00	3.90	
5.410	5.810	-0.400	441	1270			0.01- 100.00	74.01	
5.410	5.810	-0.400	442	8923			40.00- 110.00	72.97	
5.410	5.810	-0.400	443	1716			17.00- 23.00	19.23	

Data File: z14488.d

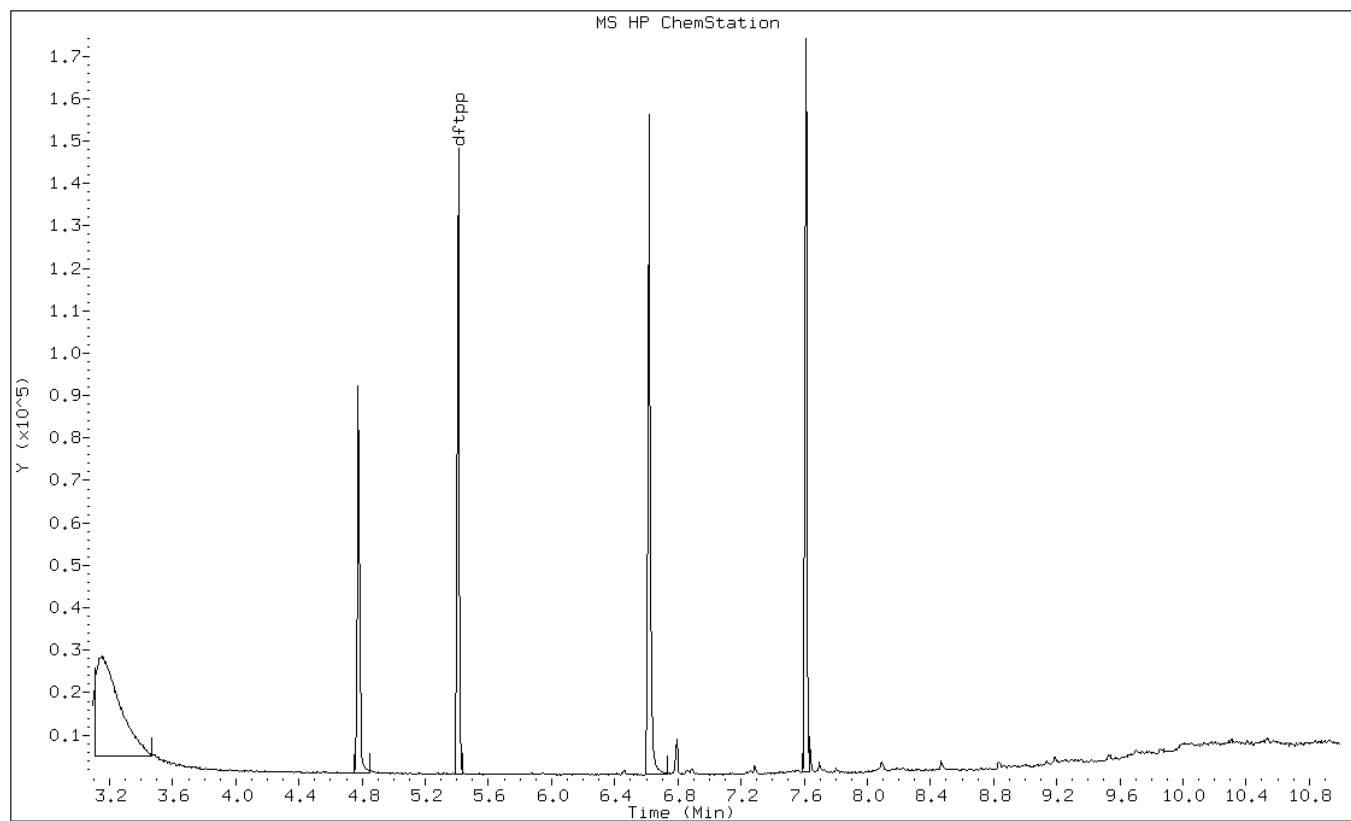
Date: 23-NOV-2012 12:52

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1653831

Operator: BNA2



Data File: z14488.d

Date: 23-NOV-2012 12:52

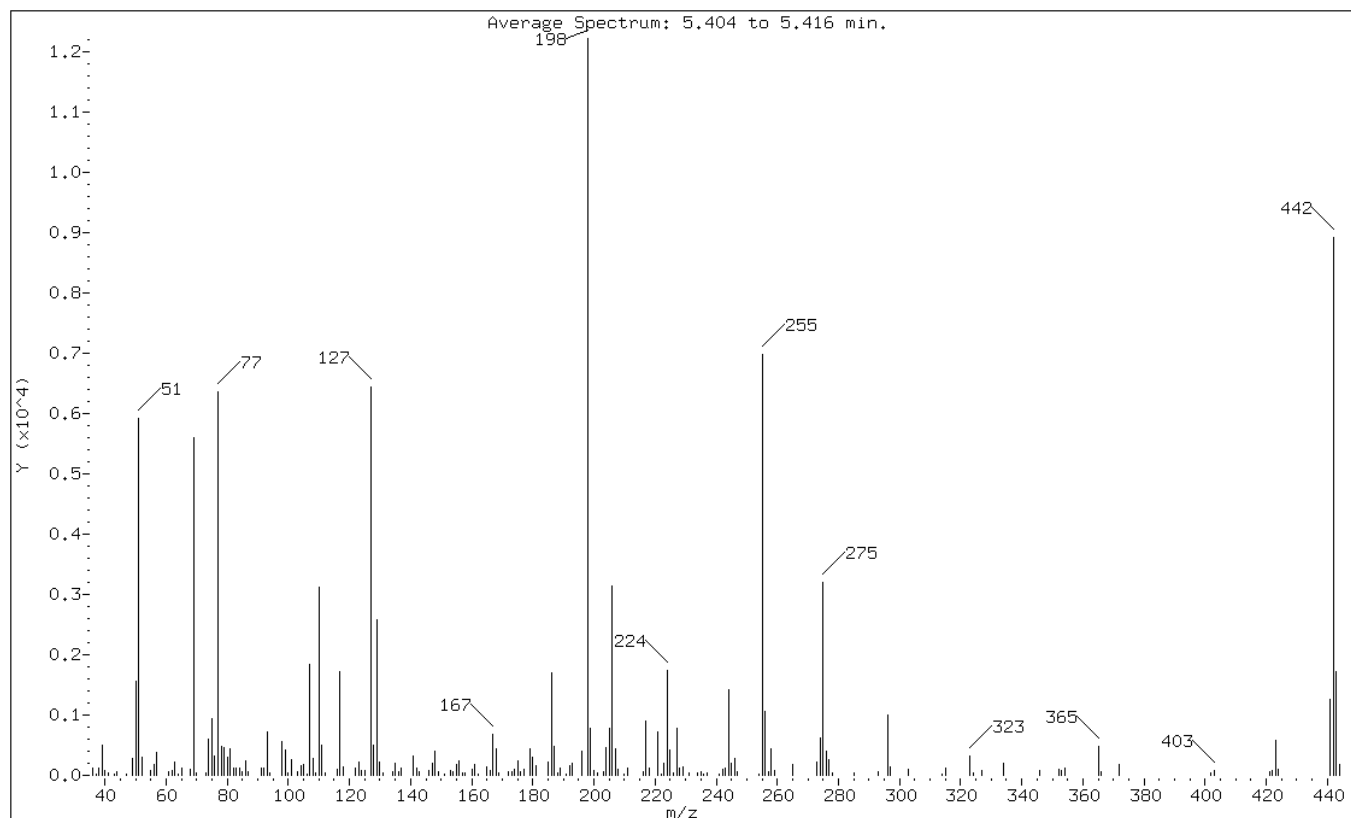
Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1653831

Operator: BNA2

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	48.49
68	Less than 2.00% of mass 69	0.83 (1.82)
69	Mass 69 relative abundance	45.89
70	Less than 2.00% of mass 69	0.34 (0.73)
127	40.00 - 60.00% of mass 198	52.68
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.39
275	10.00 - 30.00% of mass 198	26.13
365	Greater than 1.00% of mass 198	3.90
441	0.01 - 100.00% of mass 443	10.39 (74.01)
442	40.00 - 110.00% of mass 198	72.97
443	17.00 - 23.00% of mass 442	14.03 (19.23)

Data File: z14488.d

Date: 23-NOV-2012 12:52

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1653831

Operator: BNA2

Data File: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14488.d

Spectrum: Average Spectrum: 5.404 to 5.416 min.

Location of Maximum: 198.00

Number of points: 190

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	121	104.00	161	173.00	66	243.00	118
37.00	20	105.00	173	174.00	108	244.00	1415
38.00	120	106.00	21	175.00	234	245.00	192
39.00	492	107.00	1847	176.00	54	246.00	282
40.00	90	108.00	284	177.00	109	247.00	52
41.00	49	109.00	41	179.00	448	254.00	25
43.00	16	110.00	3122	180.00	310	255.00	6991
44.00	65	111.00	499	181.00	154	256.00	1057
47.00	17	112.00	45	185.00	230	257.00	56
49.00	272	116.00	97	186.00	1698	258.00	444
50.00	1571	117.00	1725	187.00	484	259.00	77
51.00	5930	118.00	146	188.00	40	265.00	188
52.00	309	122.00	119	189.00	127	273.00	215
55.00	73	123.00	217	191.00	19	274.00	617
56.00	190	124.00	78	192.00	166	275.00	3196
57.00	380	125.00	76	193.00	197	276.00	401
61.00	63	127.00	6442	196.00	397	277.00	260
62.00	89	128.00	493	198.00	12229	278.00	39
63.00	225	129.00	2576	199.00	781	285.00	38
64.00	18	130.00	220	200.00	83	293.00	64
65.00	120	131.00	35	201.00	47	296.00	1000
68.00	102	134.00	57	203.00	64	297.00	145
69.00	5612	135.00	194	204.00	456	303.00	109
70.00	41	136.00	69	205.00	776	314.00	25
73.00	47	137.00	120	206.00	3144	315.00	130
74.00	608	141.00	318	207.00	435	323.00	312
75.00	939	142.00	124	208.00	105	324.00	38
76.00	312	143.00	67	210.00	25	327.00	73
77.00	6360	146.00	76	211.00	127	334.00	192
78.00	476	147.00	202	216.00	55	346.00	86
79.00	463	148.00	392	217.00	900	352.00	91
80.00	307	149.00	68	218.00	125	353.00	72
81.00	447	151.00	17	221.00	723	354.00	119
82.00	128	153.00	90	222.00	26	365.00	477
83.00	129	154.00	59	223.00	208	366.00	52
84.00	129	155.00	187	224.00	1745	372.00	175
85.00	65	156.00	245	225.00	425	402.00	39
86.00	245	157.00	36	226.00	38	403.00	83
87.00	61	158.00	38	227.00	787	421.00	61
91.00	118	160.00	94	228.00	118	422.00	75

92.00	115	161.00	174	229.00	148	423.00	577	
93.00	730	162.00	16	231.00	49	424.00	91	
94.00	39	165.00	136	234.00	35	441.00	1270	
98.00	558	166.00	82	235.00	66	442.00	8923	
99.00	423	167.00	687	236.00	17	443.00	1716	
+-----+-----+-----+-----+-----+-----+-----+-----+								
100.00	42	168.00	444	237.00	44	444.00	171	
101.00	251	169.00	42	241.00	18			
103.00	63	172.00	54	242.00	95			
+-----+-----+-----+-----+-----+-----+-----+-----+								

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-136417/1-A

Matrix: Water Lab File ID: z14490.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 11/20/2012 16:11

Sample wt/vol: 1000 (mL) Date Analyzed: 11/23/2012 13:52

Con. Extract Vol.: 2 (mL) Dilution Factor: 1

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

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

Analysis Batch No.: 136933 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2.8	U	10	2.8
108-95-2	Phenol	0.81	U	10	0.81
88-06-2	2,4,6-Trichlorophenol	2.4	U	10	2.4
111-44-4	Bis(2-chloroethyl) ether	0.28	U	1.0	0.28
120-83-2	2,4-Dichlorophenol	2.6	U	10	2.6
95-57-8	2-Chlorophenol	2.2	U	10	2.2
121-14-2	2,4-Dinitrotoluene	0.47	U	2.0	0.47
108-60-1	2,2'-oxybis[1-chloropropane]	2.0	U	10	2.0
98-86-2	Acetophenone	2.7	U	10	2.7
91-57-6	2-Methylnaphthalene	3.0	U	10	3.0
106-44-5	4-Methylphenol	1.6	U	10	1.6
95-48-7	2-Methylphenol	1.8	U	10	1.8
88-74-4	2-Nitroaniline	4.9	U	20	4.9
67-72-1	Hexachloroethane	0.25	U	1.0	0.25
98-95-3	Nitrobenzene	0.30	U	1.0	0.30
59-50-7	4-Chloro-3-methylphenol	2.5	U	10	2.5
78-59-1	Isophorone	2.7	U	10	2.7
88-75-5	2-Nitrophenol	2.4	U	10	2.4
7005-72-3	4-Chlorophenyl phenyl ether	2.5	U	10	2.5
105-67-9	2,4-Dimethylphenol	3.4	U	10	3.4
100-01-6	4-Nitroaniline	5.8	U	20	5.8
100-02-7	4-Nitrophenol	6.7	U	30	6.7
111-91-1	Bis(2-chloroethoxy)methane	2.6	U	10	2.6
1912-24-9	Atrazine	3.0	U	10	3.0
91-20-3	Naphthalene	2.7	U	10	2.7
100-52-7	Benzaldehyde	2.0	U	10	2.0
106-47-8	4-Chloroaniline	2.0	U	10	2.0
50-32-8	Benzo[a]pyrene	0.14	U	1.0	0.14
87-68-3	Hexachlorobutadiene	0.57	U	2.0	0.57
207-08-9	Benzo[k]fluoranthene	0.26	U	1.0	0.26
105-60-2	Caprolactam	2.5	U	10	2.5
86-74-8	Carbazole	3.2	U	10	3.2
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
53-70-3	Dibenz(a,h)anthracene	0.090	U	1.0	0.090

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-136417/1-A

Matrix: Water Lab File ID: z14490.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 11/20/2012 16:11

Sample wt/vol: 1000 (mL) Date Analyzed: 11/23/2012 13:52

Con. Extract Vol.: 2 (mL) Dilution Factor: 1

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

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

Analysis Batch No.: 136933 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	2.6	U	10	2.6
131-11-3	Dimethyl phthalate	2.8	U	10	2.8
91-58-7	2-Chloronaphthalene	2.7	U	10	2.7
206-44-0	Fluoranthene	3.2	U	10	3.2
86-73-7	Fluorene	2.8	U	10	2.8
606-20-2	2,6-Dinitrotoluene	0.61	U	2.0	0.61
208-96-8	Acenaphthylene	2.7	U	10	2.7
99-09-2	3-Nitroaniline	5.0	U	20	5.0
621-64-7	N-Nitrosodi-n-propylamine	0.25	U	1.0	0.25
83-32-9	Acenaphthene	2.7	U	10	2.7
51-28-5	2,4-Dinitrophenol	5.4	U	30	5.4
132-64-9	Dibenzofuran	2.8	U	10	2.8
84-66-2	Diethyl phthalate	2.9	U	10	2.9
534-52-1	4,6-Dinitro-2-methylphenol	4.7	U	30	4.7
86-30-6	N-Nitrosodiphenylamine	2.9	U	10	2.9
101-55-3	4-Bromophenyl phenyl ether	2.5	U	10	2.5
118-74-1	Hexachlorobenzene	0.29	U	1.0	0.29
87-86-5	Pentachlorophenol	5.3	U	30	5.3
85-01-8	Phenanthrene	3.1	U	10	3.1
120-12-7	Anthracene	2.8	U	10	2.8
84-74-2	Di-n-butyl phthalate	2.9	U	10	2.9
129-00-0	Pyrene	2.9	U	10	2.9
85-68-7	Butyl benzyl phthalate	2.5	U	10	2.5
91-94-1	3,3'-Dichlorobenzidine	4.9	U	20	4.9
56-55-3	Benzo[a]anthracene	0.27	U	1.0	0.27
218-01-9	Chrysene	3.1	U	10	3.1
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	10	2.0
117-84-0	Di-n-octyl phthalate	1.5	U	10	1.5
205-99-2	Benzo[b]fluoranthene	0.26	U	1.0	0.26
193-39-5	Indeno[1,2,3-cd]pyrene	0.15	U	1.0	0.15
191-24-2	Benzo[g,h,i]perylene	2.0	U	10	2.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-136417/1-A
Matrix: Water Lab File ID: z14490.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3510C Date Extracted: 11/20/2012 16:11
Sample wt/vol: 1000 (mL) Date Analyzed: 11/23/2012 13:52
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 136933 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	93		46-122
321-60-8	2-Fluorobiphenyl	89		53-108
367-12-4	2-Fluorophenol (Surr)	54		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	91		56-112
4165-62-2	Phenol-d5 (Surr)	38		10-48
1718-51-0	Terphenyl-d14 (Surr)	88		50-122

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-136417/1-A
Matrix: Water Lab File ID: z14490.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3510C Date Extracted: 11/20/2012 16:11
Sample wt/vol: 1000(mL) Date Analyzed: 11/23/2012 13:52
Con. Extract Vol.: 2(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 136933 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

Data File: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14490.d
 Report Date: 26-Nov-2012 11:39

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14490.d
 Lab Smp Id: MB 460-136417/1-A
 Inj Date : 23-NOV-2012 13:52
 Operator : BNAMS 4
 Smp Info : MB 460-136417/1-A
 Misc Info : MB 460-136417/1-A
 Comment :
 Method : /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/8270Cdel_08.m
 Meth Date : 24-Nov-2012 13:47 ranav
 Cal Date : 23-NOV-2012 13:09
 Als bottle: 3
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS11.i

Quant Type: ISTD

Cal File: z14489.d

QC Sample: BLANK

Compound Sublist: allh20.sub

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
\$ 16 2-Fluorophenol (SUR)	112	2.432	2.438	(0.661)	223848	27.0581	54
\$ 17 Phenol-d5 (SUR)	99	3.338	3.361	(0.907)	182547	19.0531	38
* 79 1,4-Dichlorobenzene-d4	152	3.679	3.685	(1.000)	243290	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)	82	4.249	4.261	(0.854)	419180	45.4619	91
* 80 Naphthalene-d8	136	4.973	4.985	(1.000)	906338	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)	172	6.079	6.079	(0.904)	642408	44.5624	89
* 82 Acenaphthene-d10	164	6.726	6.732	(1.000)	433638	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.502	7.508	(1.115)	73451	46.4291	93
* 83 Phenanthrene-d10	188	8.178	8.184	(1.000)	559712	40.0000	
\$ 78 Terphenyl-d14	244	9.761	9.755	(0.903)	398244	44.1066	88
* 81 Chrysene-d12	240	10.814	10.814	(1.000)	304721	40.0000	
* 84 Perylene-d12	264	12.561	12.555	(1.000)	226067	40.0000	

Data File: z14490.d

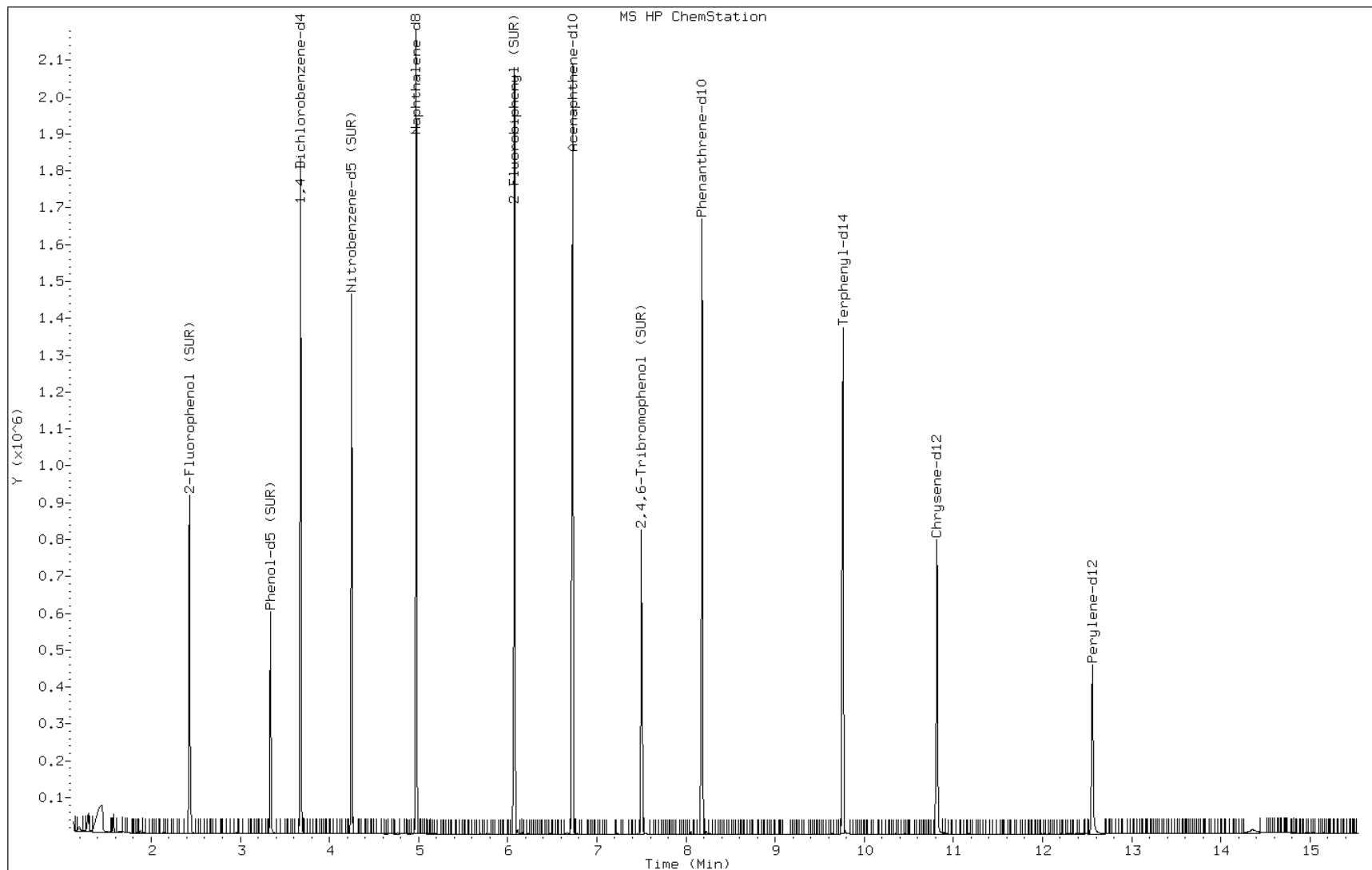
Date: 23-NOV-2012 13:52

Client ID:

Instrument: BNAMS11.i

Sample Info: MB 460-136417/1-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-136417/2-A

Matrix: Water Lab File ID: z14491.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 11/20/2012 16:11

Sample wt/vol: 1000 (mL) Date Analyzed: 11/23/2012 14:13

Con. Extract Vol.: 2 (mL) Dilution Factor: 1

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

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

Analysis Batch No.: 136933 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	89.6		10	2.8
108-95-2	Phenol	40.1		10	0.81
88-06-2	2,4,6-Trichlorophenol	94.6		10	2.4
111-44-4	Bis(2-chloroethyl) ether	90.9		1.0	0.28
120-83-2	2,4-Dichlorophenol	94.7		10	2.6
95-57-8	2-Chlorophenol	89.0		10	2.2
121-14-2	2,4-Dinitrotoluene	89.3		2.0	0.47
108-60-1	2,2'-oxybis[1-chloropropane]	95.9		10	2.0
98-86-2	Acetophenone	93.3		10	2.7
91-57-6	2-Methylnaphthalene	90.2		10	3.0
106-44-5	4-Methylphenol	76.2		10	1.6
95-48-7	2-Methylphenol	81.0		10	1.8
88-74-4	2-Nitroaniline	89.7		20	4.9
67-72-1	Hexachloroethane	84.9		1.0	0.25
98-95-3	Nitrobenzene	90.2		1.0	0.30
59-50-7	4-Chloro-3-methylphenol	93.0		10	2.5
78-59-1	Isophorone	86.7		10	2.7
88-75-5	2-Nitrophenol	90.0		10	2.4
7005-72-3	4-Chlorophenyl phenyl ether	90.0		10	2.5
105-67-9	2,4-Dimethylphenol	87.9		10	3.4
100-01-6	4-Nitroaniline	92.4		20	5.8
100-02-7	4-Nitrophenol	47.3		30	6.7
111-91-1	Bis(2-chloroethoxy)methane	91.4		10	2.6
1912-24-9	Atrazine	73.9		10	3.0
91-20-3	Naphthalene	89.2		10	2.7
100-52-7	Benzaldehyde	128		10	2.0
106-47-8	4-Chloroaniline	88.7		10	2.0
50-32-8	Benzo[a]pyrene	89.5		1.0	0.14
87-68-3	Hexachlorobutadiene	84.3		2.0	0.57
207-08-9	Benzo[k]fluoranthene	85.4		1.0	0.26
105-60-2	Caprolactam	26.1		10	2.5
86-74-8	Carbazole	91.8		10	3.2
77-47-4	Hexachlorocyclopentadiene	75.9		10	1.7
53-70-3	Dibenz(a,h)anthracene	91.2		1.0	0.090

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-136417/2-A

Matrix: Water Lab File ID: z14491.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 11/20/2012 16:11

Sample wt/vol: 1000(mL) Date Analyzed: 11/23/2012 14:13

Con. Extract Vol.: 2(mL) Dilution Factor: 1

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

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

Analysis Batch No.: 136933 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	93.0		10	2.6
131-11-3	Dimethyl phthalate	92.9		10	2.8
91-58-7	2-Chloronaphthalene	90.5		10	2.7
206-44-0	Fluoranthene	90.1		10	3.2
86-73-7	Fluorene	91.0		10	2.8
606-20-2	2,6-Dinitrotoluene	88.4		2.0	0.61
208-96-8	Acenaphthylene	91.2		10	2.7
99-09-2	3-Nitroaniline	93.8		20	5.0
621-64-7	N-Nitrosodi-n-propylamine	98.1		1.0	0.25
83-32-9	Acenaphthene	90.1		10	2.7
51-28-5	2,4-Dinitrophenol	82.0		30	5.4
132-64-9	Dibenzofuran	90.7		10	2.8
84-66-2	Diethyl phthalate	90.1		10	2.9
534-52-1	4,6-Dinitro-2-methylphenol	87.7		30	4.7
86-30-6	N-Nitrosodiphenylamine	97.0		10	2.9
101-55-3	4-Bromophenyl phenyl ether	90.9		10	2.5
118-74-1	Hexachlorobenzene	88.1		1.0	0.29
87-86-5	Pentachlorophenol	90.5		30	5.3
85-01-8	Phenanthrene	90.9		10	3.1
120-12-7	Anthracene	87.5		10	2.8
84-74-2	Di-n-butyl phthalate	88.5		10	2.9
129-00-0	Pyrene	87.5		10	2.9
85-68-7	Butyl benzyl phthalate	86.7		10	2.5
91-94-1	3,3'-Dichlorobenzidine	84.7		20	4.9
56-55-3	Benzo[a]anthracene	89.9		1.0	0.27
218-01-9	Chrysene	89.5		10	3.1
117-81-7	Bis(2-ethylhexyl) phthalate	86.6		10	2.0
117-84-0	Di-n-octyl phthalate	83.9		10	1.5
205-99-2	Benzo[b]fluoranthene	86.6		1.0	0.26
193-39-5	Indeno[1,2,3-cd]pyrene	67.2		1.0	0.15
191-24-2	Benzo[g,h,i]perylene	89.0		10	2.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 460-136417/2-A
Matrix: Water Lab File ID: z14491.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3510C Date Extracted: 11/20/2012 16:11
Sample wt/vol: 1000 (mL) Date Analyzed: 11/23/2012 14:13
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 136933 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	88		46-122
321-60-8	2-Fluorobiphenyl	86		53-108
367-12-4	2-Fluorophenol (Surr)	51		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	88		56-112
4165-62-2	Phenol-d5 (Surr)	34		10-48
1718-51-0	Terphenyl-d14 (Surr)	87		50-122

Data File: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14491.d
 Report Date: 25-Nov-2012 20:04

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14491.d
 Lab Smp Id: LCS 460-136417/2-A
 Inj Date : 23-NOV-2012 14:13
 Operator : BNAMS 4
 Smp Info : LCS 460-136417/2-A
 Misc Info : LCS 460-136417/2-A
 Comment :
 Method : /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/8270Cdel_08.m
 Meth Date : 24-Nov-2012 13:47 ranav
 Cal Date : 23-NOV-2012 13:09
 Als bottle: 4
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS11.i

Quant Type: ISTD

Cal File: z14489.d

QC Sample: LCS

Compound Sublist: allh20.sub

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/ml)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane		88	1.173	1.161 (0.318)		85884	24.3379	49
19 N-Nitrosodimethylamine		74	1.373	1.373 (0.373)		136770	27.6277	55
71 Pyridine		79	1.391	1.391 (0.377)		191277	22.6518	45
\$ 16 2-Fluorophenol (SUR)		112	2.432	2.438 (0.660)		181377	25.3745	51
110 Benzaldehyde		77	3.232	3.232 (0.877)		237151	63.7612	130
\$ 17 Phenol-d5 (SUR)		99	3.350	3.361 (0.909)		142356	17.1964	34
1 Phenol		94	3.361	3.379 (0.912)		189665	20.0726	40
73 Aniline		93	3.350	3.355 (0.909)		348191	33.2522	66
20 bis(2-Chloroethyl)ether		93	3.426	3.432 (0.930)		346070	45.4447	91
2 2-Chlorophenol		128	3.473	3.485 (0.943)		337542	44.5107	89
113 n-decane		43	3.544	3.550 (0.962)		329812	40.2772	80
21 1,3-Dichlorobenzene		146	3.626	3.626 (0.984)		367472	41.7827	84
* 79 1,4-Dichlorobenzene-d4		152	3.685	3.685 (1.000)		210210	40.0000	
22 1,4-Dichlorobenzene		146	3.702	3.702 (1.005)		366096	42.2769	84
74 Benzyl Alcohol		108	3.844	3.849 (1.043)		185343	46.2442	92(R)

Data File: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14491.d
Report Date: 25-Nov-2012 20:04

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.855	3.855	(1.046)	343427	43.1835	86
3 2-Methylphenol	108	3.979	3.985	(1.080)	239114	40.5026	81
24 bis (2-chloroisopropyl) ether	45	3.985	3.985	(1.081)	434276	47.9481	96
4 4-Methylphenol	108	4.144	4.149	(1.125)	226253	38.0941	76(R)
121 3 & 4 Methylphenol	108	4.144	4.149	(1.125)	226253	38.0941	76
104 Acetophenone	105	4.108	4.114	(1.115)	426151	46.6603	93
25 N-Nitroso-di-n-propylamine	70	4.126	4.132	(1.120)	240448	49.0662	98
26 Hexachloroethane	117	4.197	4.197	(1.139)	144691	42.4348	85
\$ 76 Nitrobenzene-d5 (SUR)	82	4.255	4.261	(0.855)	347464	44.1450	88
27 Nitrobenzene	77	4.279	4.285	(0.859)	462714	45.1068	90
107 N,N-Dimethylaniline	120	4.285	4.291	(1.163)	434860	42.4620	85
28 Isophorone	82	4.526	4.532	(0.909)	537710	43.3578	87
5 2-Nitrophenol	139	4.602	4.602	(0.924)	181009	45.0203	90
6 2,4-Dimethylphenol	122	4.679	4.685	(0.940)	256976	43.9567	88
29 bis(2-Chloroethoxy)methane	93	4.761	4.767	(0.956)	361599	45.6877	91
7 2,4-Dichlorophenol	162	4.861	4.861	(0.976)	244334	47.3459	95
30 1,2,4-Trichlorobenzene	180	4.932	4.932	(0.991)	269542	43.8039	88
* 80 Naphthalene-d8	136	4.979	4.985	(1.000)	773688	40.0000	
31 Naphthalene	128	5.002	5.002	(1.005)	902222	44.5879	89
32 4-Chloroaniline	127	5.073	5.073	(1.019)	328078	44.3506	89
33 Hexachlorobutadiene	225	5.144	5.144	(1.033)	145415	42.1256	84
111 Caprolactam	113	5.426	5.461	(1.090)	21280	13.0275	26
8 4-Chloro-3-methylphenol	107	5.596	5.602	(1.124)	230280	46.5030	93
34 2-Methylnaphthalene	142	5.702	5.702	(1.145)	548300	45.1024	90
120 1-Methylnaphthalene	142	5.796	5.796	(1.164)	505945	41.2321	82
35 Hexachlorocyclopentadiene	237	5.873	5.873	(0.872)	102063	37.9517	76
9 2,4,6-Trichlorophenol	196	5.996	6.002	(0.891)	160119	47.3037	95
10 2,4,5-Trichlorophenol	196	6.038	6.049	(0.897)	160257	46.5128	93
\$ 77 2-Fluorobiphenyl (SUR)	172	6.079	6.079	(0.903)	518861	43.1924	86
102 Diphenyl	154	6.173	6.173	(0.917)	617235	44.8133	90
36 2-Chloronaphthalene	162	6.185	6.185	(0.919)	479987	45.2330	90
103 Diphenyl Ether	170	6.279	6.279	(0.933)	335437	44.8434	90
37 2-Nitroaniline	65	6.296	6.302	(0.935)	152946	44.8643	90
38 Dimethylphthalate	163	6.496	6.496	(0.965)	485905	46.4293	93
40 2,6-Dinitrotoluene	165	6.549	6.549	(0.973)	113267	44.1753	88
39 Acenaphthylene	152	6.585	6.590	(0.978)	717998	45.6021	91
41 3-Nitroaniline	138	6.708	6.708	(0.996)	113034	46.9094	94
* 82 Acenaphthene-d10	164	6.732	6.732	(1.000)	361351	40.0000	
42 Acenaphthene	154	6.761	6.761	(1.004)	426768	45.0625	90
11 2,4-Dinitrophenol	184	6.814	6.814	(1.012)	46807	41.0217	82
12 4-Nitrophenol	65	6.920	6.920	(1.028)	40624	23.6487	47(R)
44 2,4-Dinitrotoluene	165	6.943	6.943	(1.031)	133877	44.6554	89
43 Dibenzofuran	168	6.932	6.938	(1.030)	592023	45.3363	91
45 Diethylphthalate	149	7.190	7.196	(1.068)	445176	45.0369	90
46 4-Chlorophenyl-phenylether	204	7.279	7.279	(1.081)	220342	45.0055	90
47 Fluorene	166	7.267	7.273	(1.079)	480108	45.4987	91
48 4-Nitroaniline	138	7.308	7.314	(1.086)	90355	46.2138	92

Data File: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14491.d
 Report Date: 25-Nov-2012 20:04

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
13 4,6-Dinitro-2-methylphenol	198	7.343	7.349	(0.898)	68758	43.8693	88
49 N-Nitrosodiphenylamine	169	7.402	7.402	(0.905)	316991	48.4780	97
75 1,2-Diphenylhydrazine	77	7.438	7.438	(0.909)	495363	39.0933	78
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.508	7.508	(1.115)	58295	44.2203	88
50 4-Bromophenyl-phenylether	248	7.755	7.755	(0.948)	121288	45.4313	91
51 Hexachlorobenzene	284	7.814	7.814	(0.955)	123107	44.0330	88
112 Atrazine	200	7.943	7.943	(0.971)	82824	36.9384	74
14 Pentachlorophenol	266	8.014	8.014	(0.980)	66407	45.2531	90
* 83 Phenanthrene-d10	188	8.179	8.184	(1.000)	432306	40.0000	
52 Phenanthrene	178	8.202	8.208	(1.003)	553204	45.4519	91
53 Anthracene	178	8.255	8.255	(1.009)	545964	43.7571	88
54 Carbazole	167	8.420	8.426	(1.029)	442707	45.9158	92
55 Di-n-butylphthalate	149	8.790	8.790	(1.075)	563411	44.2453	88
56 Fluoranthene	202	9.361	9.367	(1.145)	449295	45.0732	90
58 Benzidine	184	9.508	9.514	(1.163)	18397	19.1589	38
57 Pyrene	202	9.579	9.584	(0.886)	431028	43.7632	88
\$ 78 Terphenyl-d14	244	9.755	9.755	(0.902)	287963	43.6232	87
59 Butylbenzylphthalate	149	10.255	10.255	(0.948)	177994	43.3391	87
60 3,3'-Dichlorobenzidine	252	10.790	10.796	(0.998)	82825	42.3398	85
61 Benzo(a)anthracene	228	10.802	10.802	(0.999)	292011	44.9342	90
* 81 Chrysene-d12	240	10.814	10.814	(1.000)	222780	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.890	10.890	(1.007)	229415	43.3231	87
62 Chrysene	228	10.843	10.843	(1.003)	284764	44.7650	90
64 Di-n-octylphthalate	149	11.667	11.667	(0.929)	311021	41.9528	84
65 Benzo(b)fluoranthene	252	12.078	12.078	(0.962)	215188	43.2907	86
66 Benzo(k)fluoranthene	252	12.114	12.114	(0.964)	247512	42.6922	85
67 Benzo(a)pyrene	252	12.484	12.484	(0.994)	185354	44.7454	89
* 84 Perylene-d12	264	12.561	12.555	(1.000)	171435	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.925	13.925	(1.109)	150003	33.5930	67(RM)
69 Dibenz(a,h)anthracene	278	13.955	13.955	(1.111)	164573	45.5892	91
70 Benzo(g,h,i)perylene	276	14.255	14.255	(1.135)	166671	44.4981	89

QC Flag Legend

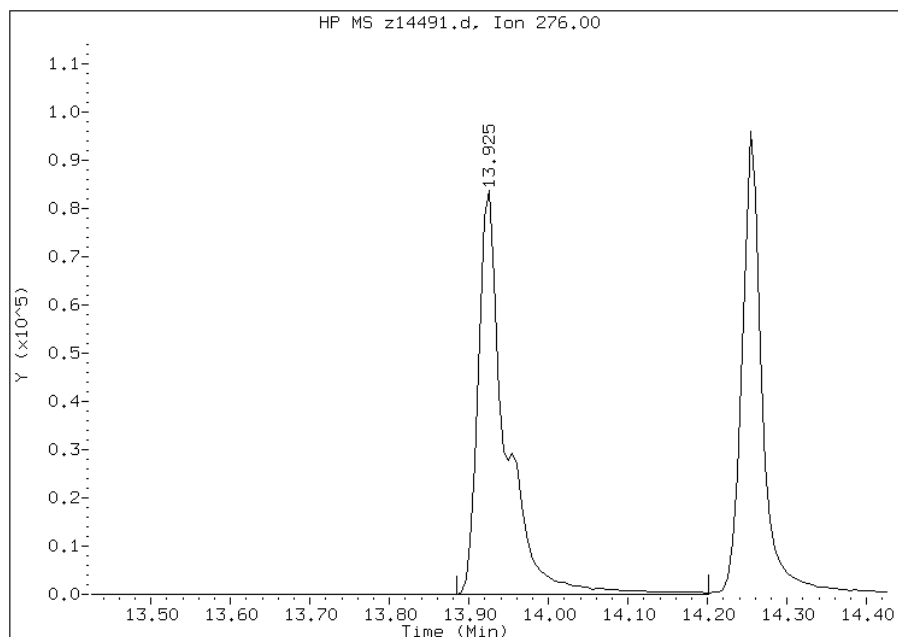
R - Spike/Surrogate failed recovery limits.
 M - Compound response manually integrated.

Manual Integration Report

Data File: z14491.d
Inj. Date and Time: 23-NOV-2012 14:13
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 11/26/2012

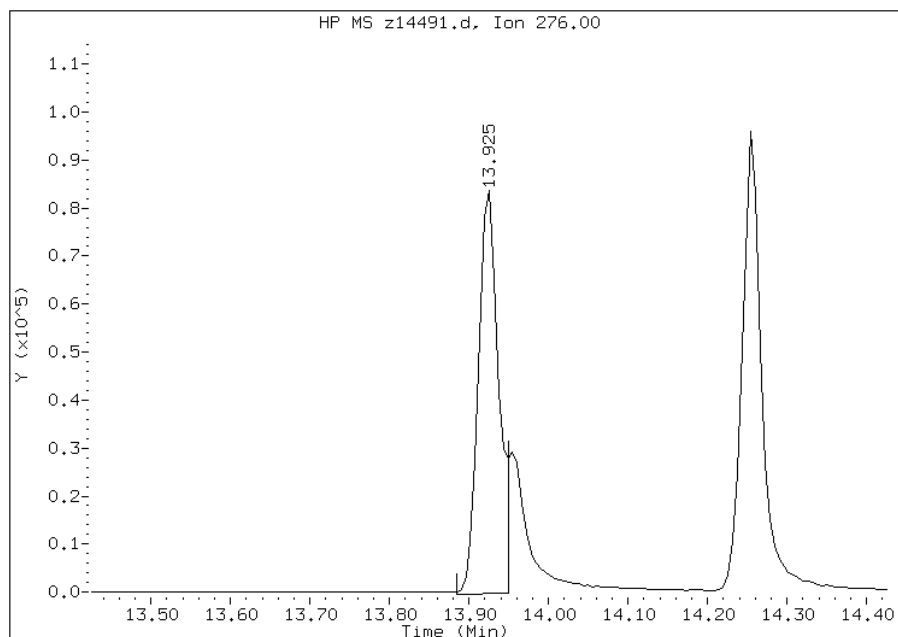
Processing Integration Results

RT: 13.93
Response: 198728
Amount: 45
Conc: 89



Manual Integration Results

RT: 13.93
Response: 150003
Amount: 34
Conc: 67



Manually Integrated By: wahied
Manual Integration Reason:

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 460-136417/3-A

Matrix: Water Lab File ID: z14493.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 11/20/2012 16:11

Sample wt/vol: 1000 (mL) Date Analyzed: 11/23/2012 14:56

Con. Extract Vol.: 2 (mL) Dilution Factor: 1

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

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

Analysis Batch No.: 136933 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	90.2		10	2.8
108-95-2	Phenol	41.7		10	0.81
88-06-2	2,4,6-Trichlorophenol	96.8		10	2.4
111-44-4	Bis(2-chloroethyl) ether	89.6		1.0	0.28
120-83-2	2,4-Dichlorophenol	98.8		10	2.6
95-57-8	2-Chlorophenol	88.8		10	2.2
121-14-2	2,4-Dinitrotoluene	93.7		2.0	0.47
108-60-1	2,2'-oxybis[1-chloropropane]	91.8		10	2.0
98-86-2	Acetophenone	93.0		10	2.7
91-57-6	2-Methylnaphthalene	91.9		10	3.0
106-44-5	4-Methylphenol	78.5		10	1.6
95-48-7	2-Methylphenol	81.5		10	1.8
88-74-4	2-Nitroaniline	108		20	4.9
67-72-1	Hexachloroethane	85.2		1.0	0.25
98-95-3	Nitrobenzene	89.4		1.0	0.30
59-50-7	4-Chloro-3-methylphenol	97.3		10	2.5
78-59-1	Isophorone	87.2		10	2.7
88-75-5	2-Nitrophenol	92.8		10	2.4
7005-72-3	4-Chlorophenyl phenyl ether	92.2		10	2.5
105-67-9	2,4-Dimethylphenol	92.2		10	3.4
100-01-6	4-Nitroaniline	97.1		20	5.8
100-02-7	4-Nitrophenol	52.1		30	6.7
111-91-1	Bis(2-chloroethoxy)methane	92.9		10	2.6
1912-24-9	Atrazine	73.2		10	3.0
91-20-3	Naphthalene	89.8		10	2.7
100-52-7	Benzaldehyde	126		10	2.0
106-47-8	4-Chloroaniline	83.3		10	2.0
50-32-8	Benzo[a]pyrene	93.0		1.0	0.14
87-68-3	Hexachlorobutadiene	86.1		2.0	0.57
207-08-9	Benzo[k]fluoranthene	88.2		1.0	0.26
105-60-2	Caprolactam	25.8		10	2.5
86-74-8	Carbazole	95.2		10	3.2
77-47-4	Hexachlorocyclopentadiene	80.4		10	1.7
53-70-3	Dibenz(a,h)anthracene	91.6		1.0	0.090

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 460-136417/3-A

Matrix: Water Lab File ID: z14493.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 11/20/2012 16:11

Sample wt/vol: 1000(mL) Date Analyzed: 11/23/2012 14:56

Con. Extract Vol.: 2(mL) Dilution Factor: 1

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

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

Analysis Batch No.: 136933 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	97.4		10	2.6
131-11-3	Dimethyl phthalate	94.9		10	2.8
91-58-7	2-Chloronaphthalene	91.8		10	2.7
206-44-0	Fluoranthene	94.4		10	3.2
86-73-7	Fluorene	92.4		10	2.8
606-20-2	2,6-Dinitrotoluene	91.7		2.0	0.61
208-96-8	Acenaphthylene	92.6		10	2.7
99-09-2	3-Nitroaniline	95.1		20	5.0
621-64-7	N-Nitrosodi-n-propylamine	96.5		1.0	0.25
83-32-9	Acenaphthene	91.5		10	2.7
51-28-5	2,4-Dinitrophenol	93.3		30	5.4
132-64-9	Dibenzofuran	92.8		10	2.8
84-66-2	Diethyl phthalate	93.9		10	2.9
534-52-1	4,6-Dinitro-2-methylphenol	94.7		30	4.7
86-30-6	N-Nitrosodiphenylamine	98.9		10	2.9
101-55-3	4-Bromophenyl phenyl ether	91.6		10	2.5
118-74-1	Hexachlorobenzene	89.8		1.0	0.29
87-86-5	Pentachlorophenol	96.7		30	5.3
85-01-8	Phenanthrene	93.7		10	3.1
120-12-7	Anthracene	90.5		10	2.8
84-74-2	Di-n-butyl phthalate	94.6		10	2.9
129-00-0	Pyrene	88.3		10	2.9
85-68-7	Butyl benzyl phthalate	90.7		10	2.5
91-94-1	3,3'-Dichlorobenzidine	88.4		20	4.9
56-55-3	Benzo[a]anthracene	92.4		1.0	0.27
218-01-9	Chrysene	92.0		10	3.1
117-81-7	Bis(2-ethylhexyl) phthalate	91.0		10	2.0
117-84-0	Di-n-octyl phthalate	87.4		10	1.5
205-99-2	Benzo[b]fluoranthene	87.6		1.0	0.26
193-39-5	Indeno[1,2,3-cd]pyrene	69.1		1.0	0.15
191-24-2	Benzo[g,h,i]perylene	89.6		10	2.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCSD 460-136417/3-A
Matrix: Water Lab File ID: z14493.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3510C Date Extracted: 11/20/2012 16:11
Sample wt/vol: 1000 (mL) Date Analyzed: 11/23/2012 14:56
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 136933 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	93		46-122
321-60-8	2-Fluorobiphenyl	89		53-108
367-12-4	2-Fluorophenol (Surr)	52		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	90		56-112
4165-62-2	Phenol-d5 (Surr)	37		10-48
1718-51-0	Terphenyl-d14 (Surr)	90		50-122

Data File: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14493.d
 Report Date: 25-Nov-2012 20:08

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14493.d
 Lab Smp Id: LCSD 460-136417/3-A
 Inj Date : 23-NOV-2012 14:56
 Operator : BNAMS 4
 Smp Info : LCSD 460-136417/3-A
 Misc Info : LCSD 460-136417/3-A
 Comment :
 Method : /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/8270Cdel_08.m
 Meth Date : 24-Nov-2012 13:47 ranav
 Cal Date : 23-NOV-2012 16:00
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS11.i

Quant Type: ISTD

Cal File: z14496.d

QC Sample: LCSD

Compound Sublist: allh20.sub

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/ml)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane		88	1.179	1.161 (0.320)		86597	22.1381	44
19 N-Nitrosodimethylamine		74	1.373	1.373 (0.373)		143573	26.1634	52
71 Pyridine		79	1.397	1.391 (0.379)		148832	15.9002	32
\$ 16 2-Fluorophenol (SUR)		112	2.432	2.438 (0.660)		204950	25.8661	52
110 Benzaldehyde		77	3.232	3.232 (0.877)		260480	63.1791	130
\$ 17 Phenol-d5 (SUR)		99	3.349	3.361 (0.909)		168367	18.3479	37
1 Phenol		94	3.361	3.379 (0.912)		218249	20.8371	42
73 Aniline		93	3.349	3.355 (0.909)		306481	26.4043	53
20 bis(2-Chloroethyl)ether		93	3.426	3.432 (0.930)		378270	44.8114	90
2 2-Chlorophenol		128	3.473	3.485 (0.943)		373192	44.3952	89
113 n-decane		43	3.544	3.550 (0.962)		353430	38.9371	78
21 1,3-Dichlorobenzene		146	3.626	3.626 (0.984)		406707	41.7178	83
* 79 1,4-Dichlorobenzene-d4		152	3.685	3.685 (1.000)		233016	40.0000	
22 1,4-Dichlorobenzene		146	3.702	3.702 (1.005)		400167	41.6886	83
74 Benzyl Alcohol		108	3.844	3.849 (1.043)		197133	44.3719	89

Data File: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14493.d
 Report Date: 25-Nov-2012 20:08

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.855	3.855	(1.046)	379484	43.0471	86
3 2-Methylphenol	108	3.979	3.985	(1.080)	266591	40.7372	81
24 bis (2-chloroisopropyl) ether	45	3.985	3.985	(1.081)	461055	45.9225	92
4 4-Methylphenol	108	4.143	4.149	(1.125)	258268	39.2285	78(R)
121 3 & 4 Methylphenol	108	4.143	4.149	(1.125)	258268	39.2285	78
104 Acetophenone	105	4.108	4.114	(1.115)	470540	46.4781	93
25 N-Nitroso-di-n-propylamine	70	4.126	4.132	(1.120)	262004	48.2322	96
26 Hexachloroethane	117	4.196	4.197	(1.139)	160934	42.5790	85
\$ 76 Nitrobenzene-d5 (SUR)	82	4.261	4.261	(0.856)	382605	44.8785	90
27 Nitrobenzene	77	4.279	4.285	(0.859)	496686	44.7021	89
107 N,N-Dimethylaniline	120	4.285	4.291	(1.163)	454218	40.0113	80
28 Isophorone	82	4.532	4.532	(0.910)	585833	43.6123	87
5 2-Nitrophenol	139	4.602	4.602	(0.924)	202150	46.4193	93
6 2,4-Dimethylphenol	122	4.679	4.685	(0.940)	291874	46.0940	92
29 bis(2-Chloroethoxy)methane	93	4.767	4.767	(0.957)	398340	46.4668	93
7 2,4-Dichlorophenol	162	4.861	4.861	(0.976)	276243	49.4204	99
30 1,2,4-Trichlorobenzene	180	4.932	4.932	(0.991)	298245	44.7482	89
* 80 Naphthalene-d8	136	4.979	4.985	(1.000)	838010	40.0000	
31 Naphthalene	128	5.002	5.002	(1.005)	984446	44.9171	90
32 4-Chloroaniline	127	5.073	5.073	(1.019)	333870	41.6693	83
33 Hexachlorobutadiene	225	5.143	5.144	(1.033)	160997	43.0597	86
111 Caprolactam	113	5.432	5.461	(1.091)	22844	12.9115	26
8 4-Chloro-3-methylphenol	107	5.596	5.602	(1.124)	260841	48.6315	97
34 2-Methylnaphthalene	142	5.702	5.702	(1.145)	605207	45.9623	92
120 1-Methylnaphthalene	142	5.796	5.796	(1.164)	559883	42.1256	84
35 Hexachlorocyclopentadiene	237	5.873	5.873	(0.872)	116688	40.1902	80
9 2,4,6-Trichlorophenol	196	5.996	6.002	(0.891)	176944	48.4193	97
10 2,4,5-Trichlorophenol	196	6.037	6.049	(0.897)	181112	48.6894	97
\$ 77 2-Fluorobiphenyl (SUR)	172	6.079	6.079	(0.903)	574342	44.2851	88
102 Diphenyl	154	6.173	6.173	(0.917)	670279	45.0758	90
36 2-Chloronaphthalene	162	6.185	6.185	(0.919)	525605	45.8792	92
103 Diphenyl Ether	170	6.279	6.279	(0.933)	367574	45.5160	91
37 2-Nitroaniline	65	6.302	6.302	(0.936)	199579	54.2261	110
38 Dimethylphthalate	163	6.496	6.496	(0.965)	536306	47.4662	95
40 2,6-Dinitrotoluene	165	6.549	6.549	(0.973)	126960	45.8643	92
39 Acenaphthylene	152	6.590	6.590	(0.979)	786844	46.2893	92
41 3-Nitroaniline	138	6.708	6.708	(0.996)	123763	47.5743	95
* 82 Acenaphthene-d10	164	6.732	6.732	(1.000)	390120	40.0000	
42 Acenaphthene	154	6.761	6.761	(1.004)	467636	45.7364	91
11 2,4-Dinitrophenol	184	6.814	6.814	(1.012)	57439	46.6273	93
12 4-Nitrophenol	65	6.920	6.920	(1.028)	48339	26.0647	52(R)
44 2,4-Dinitrotoluene	165	6.943	6.943	(1.031)	151705	46.8704	94
43 Dibenzofuran	168	6.932	6.938	(1.030)	654254	46.4071	93
45 Diethylphthalate	149	7.190	7.196	(1.068)	501264	46.9715	94
46 4-Chlorophenyl-phenylether	204	7.279	7.279	(1.081)	243562	46.0796	92
47 Fluorene	166	7.267	7.273	(1.079)	526239	46.1928	92
48 4-Nitroaniline	138	7.308	7.314	(1.086)	102465	48.5429	97

Data File: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14493.d
Report Date: 25-Nov-2012 20:08

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
13 4,6-Dinitro-2-methylphenol	198	7.343	7.349	(0.898)	81287	47.3696	95
49 N-Nitrosodiphenylamine	169	7.402	7.402	(0.905)	353902	49.4335	99
75 1,2-Diphenylhydrazine	77	7.437	7.438	(0.909)	546499	39.3921	79
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.508	7.508	(1.115)	66461	46.6969	93
50 4-Bromophenyl-phenylether	248	7.755	7.755	(0.948)	133913	45.8143	92
51 Hexachlorobenzene	284	7.814	7.814	(0.955)	137506	44.9219	90
112 Atrazine	200	7.943	7.943	(0.971)	89888	36.6155	73
14 Pentachlorophenol	266	8.014	8.014	(0.980)	77694	48.3574	97
* 83 Phenanthrene-d10	188	8.179	8.184	(1.000)	473315	40.0000	
52 Phenanthrene	178	8.202	8.208	(1.003)	624216	46.8427	94
53 Anthracene	178	8.255	8.255	(1.009)	618220	45.2552	90
54 Carbazole	167	8.420	8.426	(1.029)	502447	47.5968	95
55 Di-n-butylphthalate	149	8.790	8.790	(1.075)	659497	47.3037	95
56 Fluoranthene	202	9.367	9.367	(1.145)	515331	47.2187	94
58 Benzidine	184	9.508	9.514	(1.163)	5133	4.88242	9.8(a)
57 Pyrene	202	9.584	9.584	(0.886)	502330	44.1490	88
\$ 78 Terphenyl-d14	244	9.755	9.755	(0.902)	341509	44.7828	90
59 Butylbenzylphthalate	149	10.255	10.255	(0.948)	215158	45.3482	91
60 3,3'-Dichlorobenzidine	252	10.790	10.796	(0.998)	99935	44.2215	88
61 Benzo(a)anthracene	228	10.802	10.802	(0.999)	346964	46.2158	92
* 81 Chrysene-d12	240	10.814	10.814	(1.000)	257364	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.890	10.890	(1.007)	278377	45.5050	91
62 Chrysene	228	10.843	10.843	(1.003)	337997	45.9934	92
64 Di-n-octylphthalate	149	11.667	11.667	(0.929)	377230	43.7070	87
65 Benzo(b)fluoranthene	252	12.078	12.078	(0.962)	253362	43.7816	88
66 Benzo(k)fluoranthene	252	12.114	12.114	(0.964)	297794	44.1206	88
67 Benzo(a)pyrene	252	12.484	12.484	(0.994)	224182	46.4859	93
* 84 Perylene-d12	264	12.561	12.555	(1.000)	199584	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.925	13.925	(1.109)	179583	34.5450	69(M)
69 Dibenz(a,h)anthracene	278	13.960	13.955	(1.111)	192432	45.7883	92
70 Benzo(g,h,i)perylene	276	14.255	14.255	(1.135)	195453	44.8227	90

QC Flag Legend

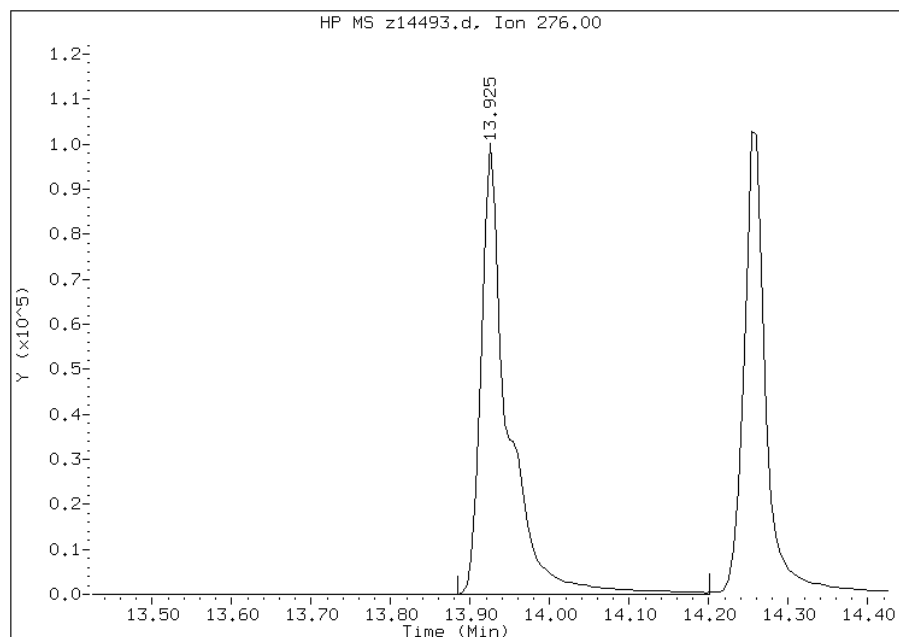
- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

Manual Integration Report

Data File: z14493.d
Inj. Date and Time: 23-NOV-2012 14:56
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 11/26/2012

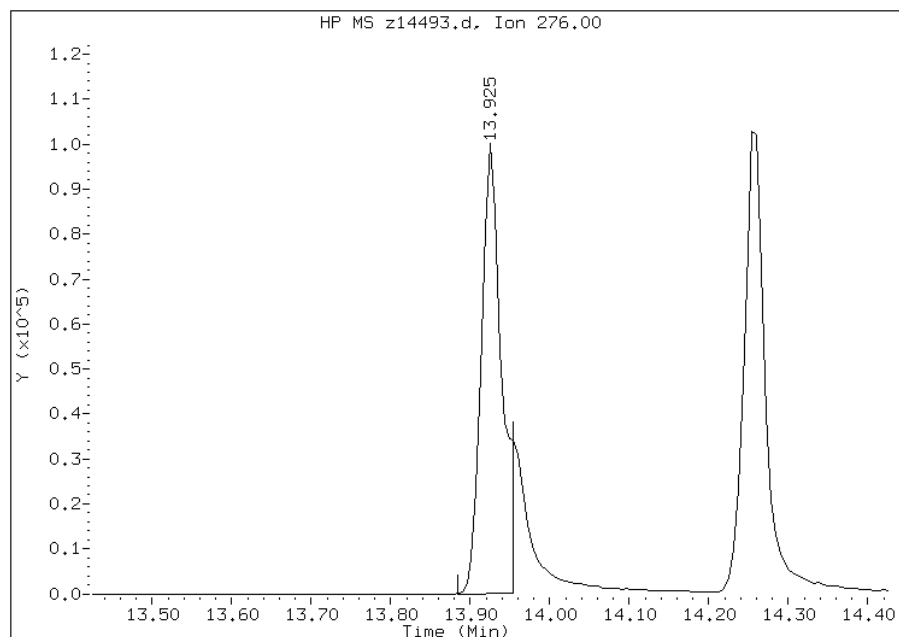
Processing Integration Results

RT: 13.93
Response: 230065
Amount: 44
Conc: 89



Manual Integration Results

RT: 13.93
Response: 179583
Amount: 35
Conc: 69



Manually Integrated By: wahied
Manual Integration Reason:

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: BNAMS11 Start Date: 11/13/2012 01:02Analysis Batch Number: 135597 End Date: 11/13/2012 03:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-135597/1		11/13/2012 01:02	1	z14234.d	Rtx-5MS 0.25 (mm)
ICIS 460-135597/2		11/13/2012 01:18	1	z14235.d	Rtx-5MS 0.25 (mm)
IC 460-135597/3		11/13/2012 01:50	1	z14236.d	Rtx-5MS 0.25 (mm)
IC 460-135597/4		11/13/2012 02:14	1	z14237.d	Rtx-5MS 0.25 (mm)
IC 460-135597/5		11/13/2012 02:39	1	z14238.d	Rtx-5MS 0.25 (mm)
IC 460-135597/6		11/13/2012 03:03	1	z14239.d	Rtx-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: BNAMS11 Start Date: 11/23/2012 12:52Analysis Batch Number: 136933 End Date: 11/23/2012 15:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-136933/1		11/23/2012 12:52	1	z14488.d	Rtx-5MS 0.25 (mm)
CCVIS 460-136933/2		11/23/2012 13:09	1	z14489.d	Rtx-5MS 0.25 (mm)
MB 460-136417/1-A		11/23/2012 13:52	1	z14490.d	Rtx-5MS 0.25 (mm)
LCS 460-136417/2-A		11/23/2012 14:13	1	z14491.d	Rtx-5MS 0.25 (mm)
LCSD 460-136417/3-A		11/23/2012 14:56	1	z14493.d	Rtx-5MS 0.25 (mm)
460-47276-1	WG-17338-111612-MW35- CG-268	11/23/2012 15:17	1	z14494.d	Rtx-5MS 0.25 (mm)
460-47276-2	WG-17338-111612-MW37- CG-269	11/23/2012 15:38	1	z14495.d	Rtx-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: BNAMS11 Start Date: 11/23/2012 16:00Analysis Batch Number: 136934 End Date: 11/23/2012 16:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 460-136934/1		11/23/2012 16:00	1	z14496.d	Rtx-5MS 0.25 (mm)

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i
Analytical Batch: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b

Date Generated: 11/14/2012
Page 1

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
11/13/12 0102	214234.d	1	DFTPP-1653831	—	—	0	0	1	2.0	all	4787	135597 pena. → 1266 pena. 7 i. 143
11/13/12 0118	214235.d	2	ICIS-1785657	—	—	1000	2	1	1.0	all	4710	6
11/13/12 0150	214236.d	3	IC-1785661	—	—	1000	2	1	1.0	all	4710	6 8270 del range
11/13/12 0214	214237.d	4	IC-1785662	—	—	1000	2	1	1.0	all	4712	6 good except for penicillins
11/13/12 0239	214238.d	5	IC-1785664	—	—	1000	2	1	1.0	all	4712	6 benzene
11/13/12 0303	214239.d	6	IC-1785700	—	—	1000	2	1	1.0	all	4716	6
11/13/12 0414	214241.d	8	ICV	13nov12	—	1000	1	1	1.0	all	4712	6 1 good except peak within 65 to 135°

Signed: Mukul Mehta Read and Understood by: CS. [Signature]

Date: 11/14/12

Date: 11-15-12

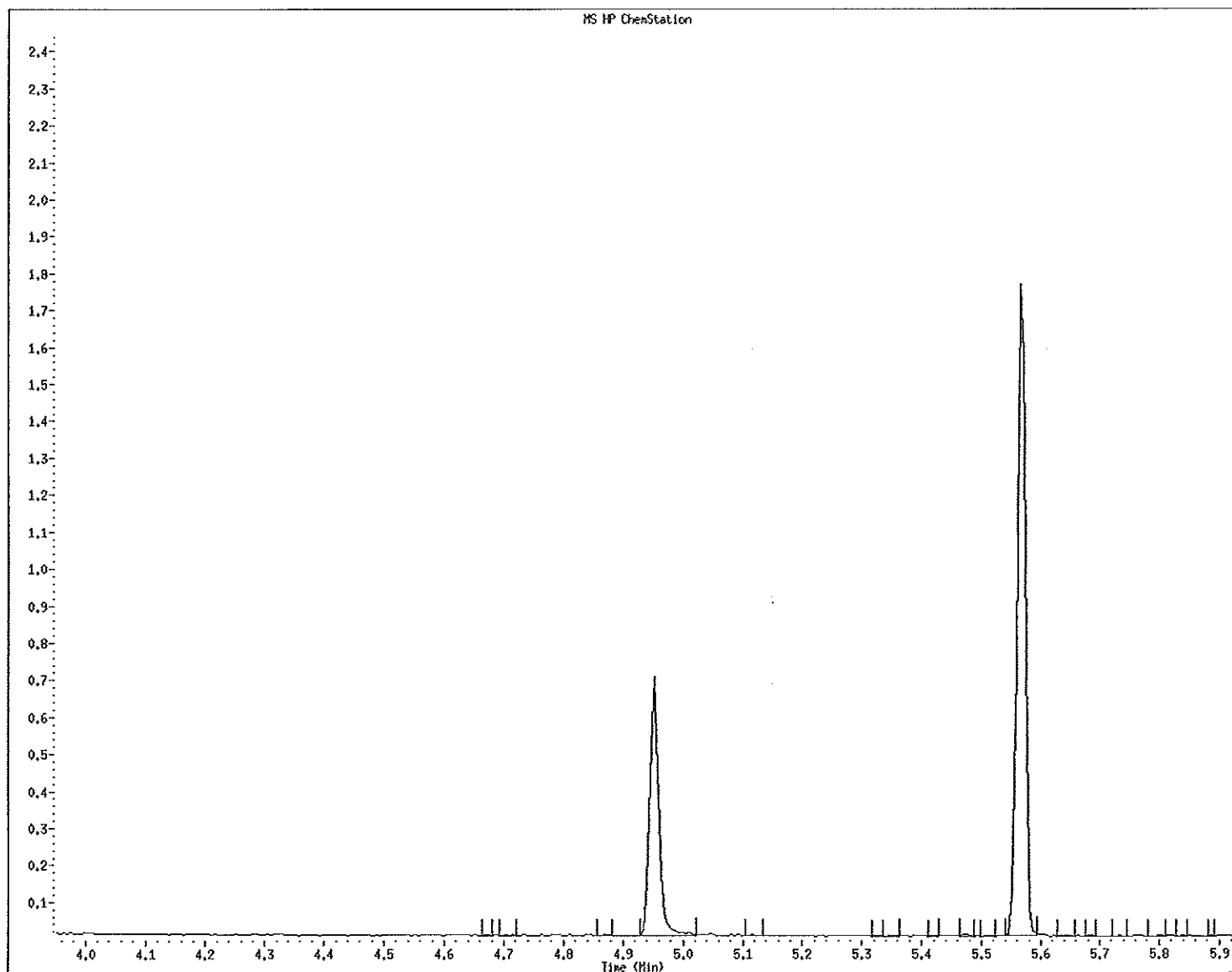
SEMI-VOLATILE TAILING ANALYSIS

Datafile Analyzed: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14234.d

Method Used: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/TAIL.m

Injection Date: 13-NOV-2012 01:02

Report Date: 11/14/2012 11:49



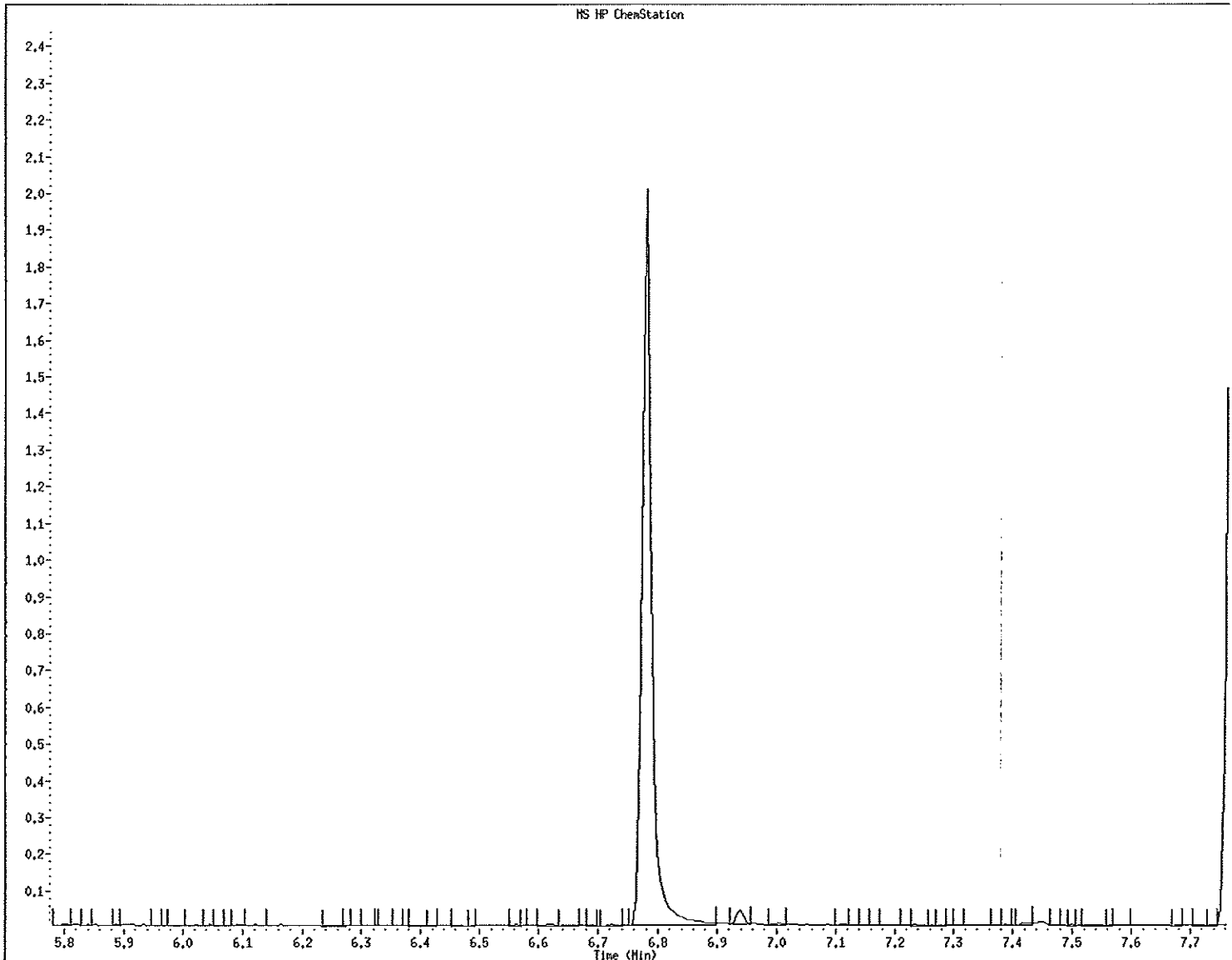
Tailing Analysis on Pentachlorophenol

Tailing factor for Pentachlorophenol OK

Tail Factor = 1.266 Maximum Allowed = 3.0

SEMI-VOLATILE TAILING ANALYSIS

Datafile Analyzed: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/z14234.d
 Method Used: /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/TAIL.m
 Injection Date: 13-NOV-2012 01:02
 Report Date: 11/14/2012 11:49



Tailing Analysis on Benzidine

 Tailing factor for Benzidine OK
 Tail Factor = 1.143 Maximum Allowed = 3.0

Method : /chem/BNAMS11.i/8270/11-13-12del/13nov12.b/BNADFTPP.m
Sample Info : DFTPP-1653831
Lab ID : DFTPP-1653831 Inst ID : BNAMS11.i
Inj Date : 13-NOV-2012 01:02 Dil Factor : 1
Operator : BNA2 Sample Matrix : NONE
Cpnd Sublist: all

Endrin/DDT Breakdown Report

Compounds	Breakdown
=====	=====
DDT	0.00%
Endrin	0.00%

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.1
Analytical Batch: /chem/BNAMS11.1/8270/11-13-12del/23nov12a.b

Date Generated: 11/25/2012
Page 1

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
11/23/12 1252	214488.d	1	DFTPP-165831			0	0	1	2.0	all	4686	136933
11/23/12 1309	214489.d	2	CCVIS-1785657			1000	2	1	1.0	all	4910	
11/23/12 1352	214490.d	3	MB 460-136417/1-A	460-136417		1000	2	1	1.0	allh20		
11/23/12 1413	214491.d	4	LCS 460-136417/2-A	460-136417		1000	2	1	1.0	allh20		
11/23/12 1434	214492.d	5	LCSD 460-136417/3-A	460-136417		1000	2	1	1.0	allh20		
11/23/12 1456	214493.d	6	LCSD 460-136417/3-A	23nov12a		1000	2	1	1.0	allh20		
11/23/12 1517	214494.d	7	460-47276-A-1-A	460-136417	11/20/12	960	2	1	1.0	allh20		
11/23/12 1538	214495.d	8	460-47276-G-2-A	460-136417	11/20/12	970	2	1	1.0	allh20		
11/23/12 1600	214496.d	9	CCV-1785657			1000	2	1	1.0	all		

Signed: W Read and Understood by: AS-DS

Date: 11/25/12

Date: 11-26-12

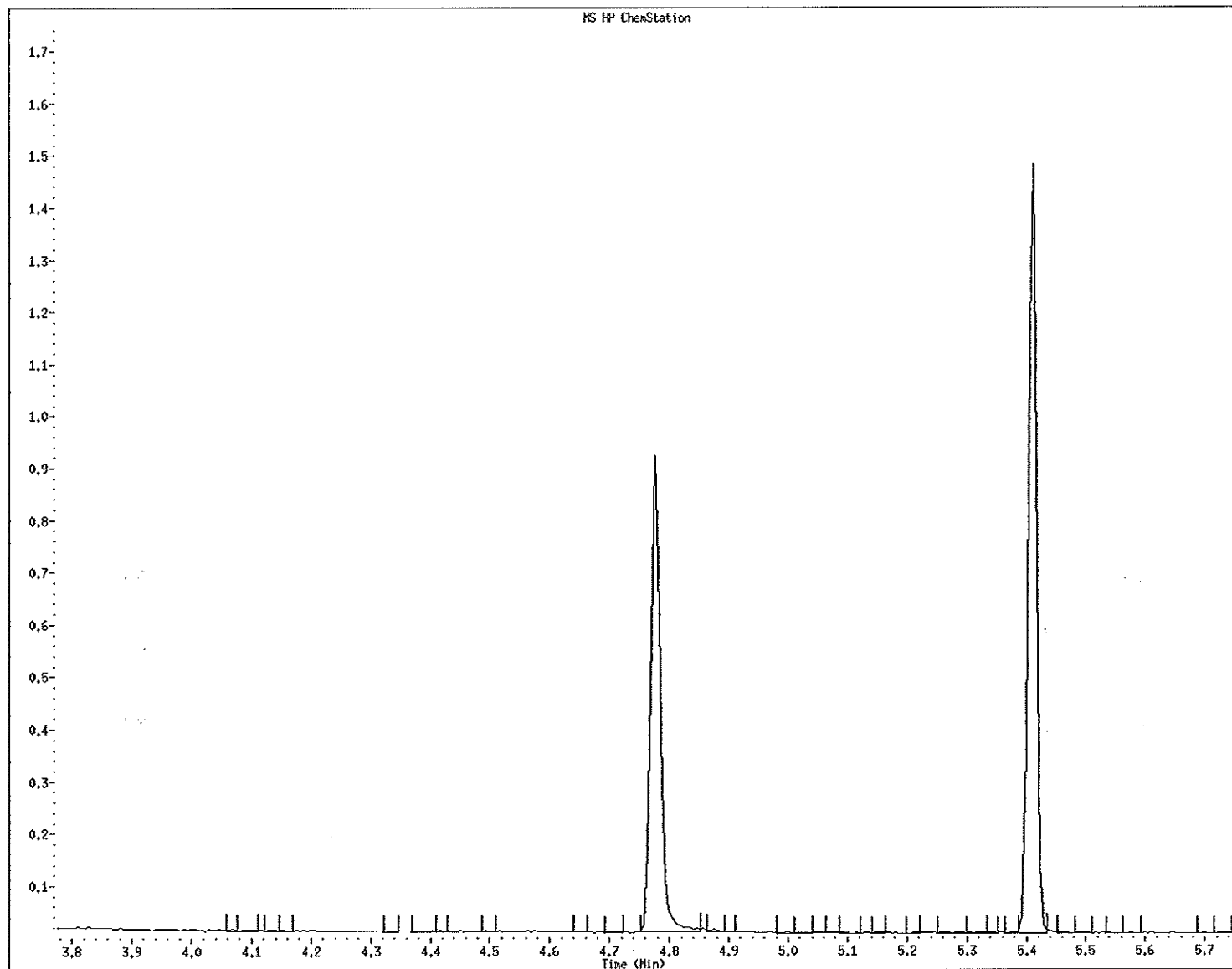
SEMI-VOLATILE TAILING ANALYSIS

Datafile Analyzed: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14488.d

Method Used: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/TAIL.m

Injection Date: 23-NOV-2012 12:52

Report Date: 11/23/2012 14:00



Tailing Analysis on Pentachlorophenol

Tailing factor for Pentachlorophenol OK

Tail Factor = 1.523 Maximum Allowed = 3.0

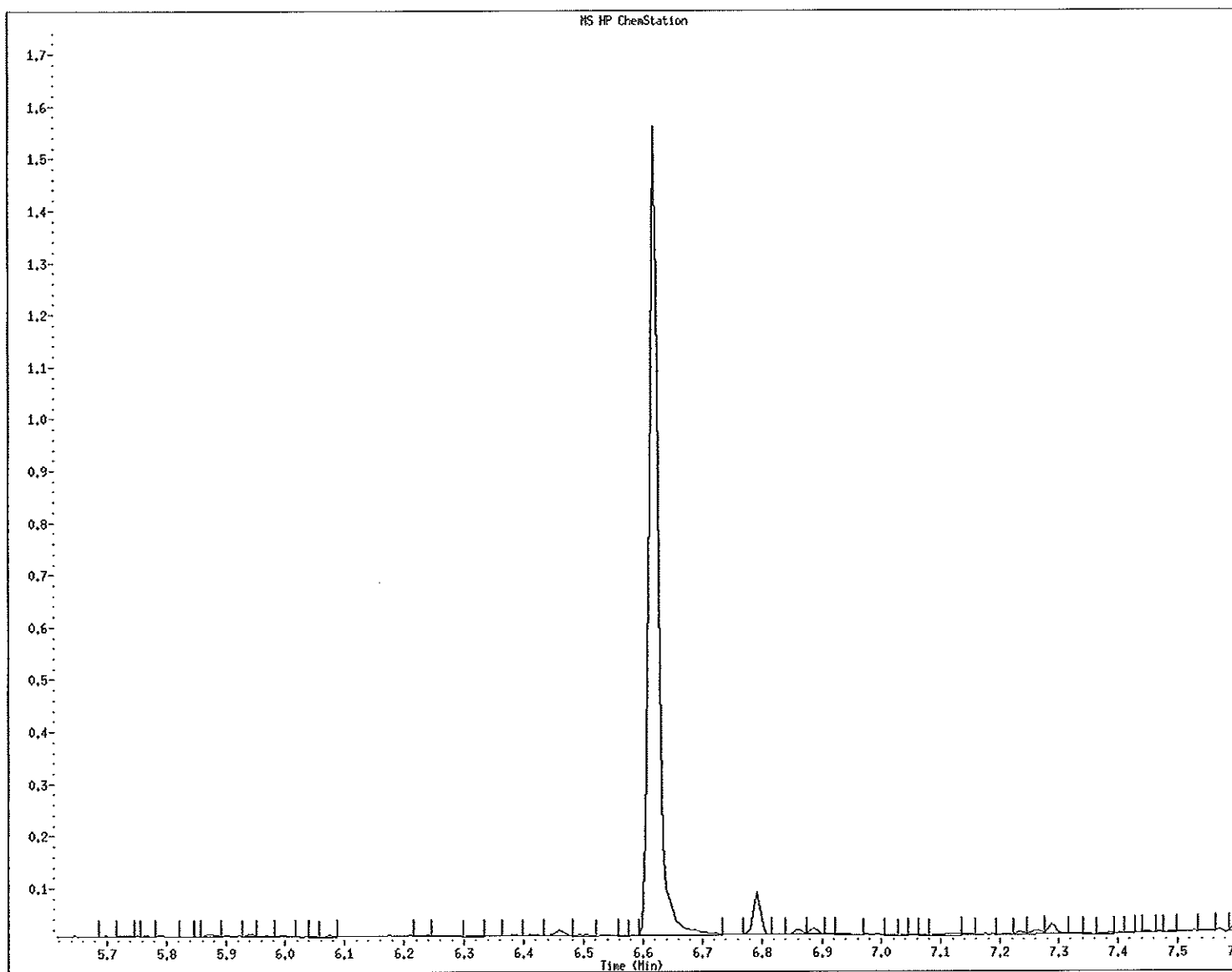
SEMI-VOLATILE TAILING ANALYSIS

Datafile Analyzed: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/z14488.d

Method Used: /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/TAIL.m

Injection Date: 23-NOV-2012 12:52

Report Date: 11/23/2012 14:00



Tailing Analysis on Benzidine

Tailing factor for Benzidine OK

Tail Factor = 1.615 Maximum Allowed = 3.0

Method : /chem/BNAMS11.i/8270/11-13-12del/23nov12a.b/BNADFTPP.m
Sample Info : DFTPP-1653831
Lab ID : DFTPP-1653831 Inst ID : BNAMS11.i
Inj Date : 23-NOV-2012 12:52 Dil Factor : 1
Operator : BNA2 Sample Matrix : NONE
Cpnd Sublist: all

Endrin/DDT Breakdown Report

Compounds	Breakdown
=====	=====
DDT	0.00%
Endrin	0.00%

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Batch Number: 136417 Batch Start Date: 11/20/12 16:11 Batch Analyst: Rana, Kalpesh VBatch Method: 3510C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	OP625/82SP 00037
MB 460-136417/1		3510C, 8270C		7	1000 mL	2 mL	<2	>12	
LCS 460-136417/2		3510C, 8270C		7	1000 mL	2 mL	<2	>12	1 mL
LCSD 460-136417/3		3510C, 8270C		7	1000 mL	2 mL	<2	>12	1 mL
460-47276-A-1	WG-17338-111612- MW35-CG-268	3510C, 8270C	T	6	960 mL	2 mL	<2	>12	
460-47276-G-2	WG-17338-111612- MW37-CG-269	3510C, 8270C	T	6	970 mL	2 mL	<2	>12	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP625/82SU 00034					
MB 460-136417/1		3510C, 8270C		1 mL					
LCS 460-136417/2		3510C, 8270C		1 mL					
LCSD 460-136417/3		3510C, 8270C		1 mL					
460-47276-A-1	WG-17338-111612- MW35-CG-268	3510C, 8270C	T	1 mL					
460-47276-G-2	WG-17338-111612- MW37-CG-269	3510C, 8270C	T	1 mL					

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Batch Number: 136417 Batch Start Date: 11/20/12 16:11 Batch Analyst: Rana, Kalpesh VBatch Method: 3510C Batch End Date: _____

Batch Notes	
Acid used for pH adjustment	H2SO4
Acid used for pH adjust Lot #	LO9049
Base used for pH adjustment	NAOH
Base used for pH adjust Lot #	op 433
Batch Comment	8270 _ Prep
Person's name who did the concentration	KR
Final Concentrator Volume	2 mL
N-evap #	36378
N-evap temperature	37 C Degrees C
Na2SO4 Lot Number	225301
Prep Solvent Lot #	22982
Prep Solvent Name	Mec12
Prep Solvent Volume Used	360ml mL
Person's name who did the prep	KR
Uncorrected N-evap Temperature	37 C Degrees C

Basis	Basis Description
T	Total/NA

Method 8270C SIM

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

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Lab File ID: h105600.d Lab Sample ID: MB 460-136417/1-A
Matrix: Water Date Extracted: 11/20/2012 16:11
Instrument ID: BNAMS9 Date Analyzed: 11/22/2012 07:22
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WG-17338-111612-MW35-CG-268	460-47276-1	h105601.d	11/22/2012 07:52
WG-17338-111612-MW37-CG-269	460-47276-2	h105602.d	11/22/2012 08:22

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Lab File ID: h104965.d DFTPP Injection Date: 10/22/2012
Instrument ID: BNAMS9 DFTPP Injection Time: 06:48
Analysis Batch No.: 133132

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	55.4
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	50.1
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	53.9
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	6.5
275	10.0 - 30.0 % of mass 198	22.0
365	Greater than 1.0 % of mass 198	2.9
441	Present but less than mass 443	11.2 (85.7) 1
442	Greater than 40.0 % of mass 198	74.6
443	17.0 - 23.0 % of mass 442	13.0 (17.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-133132/2	h104966.d	10/22/2012	07:10
	IC 460-133132/3	h104968.d	10/22/2012	08:10
	IC 460-133132/4	h104969.d	10/22/2012	08:40
	IC 460-133132/5	h104970.d	10/22/2012	09:10
	IC 460-133132/6	h104971.d	10/22/2012	09:46
	IC 460-133132/7	h104972.d	10/22/2012	10:15

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Lab File ID: h105583.d DFTPP Injection Date: 11/21/2012
Instrument ID: BNAMS9 DFTPP Injection Time: 23:01
Analysis Batch No.: 137127

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	50.6
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	47.2
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	54.9
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.6
275	10.0 - 30.0 % of mass 198	27.4
365	Greater than 1.0 % of mass 198	4.1
441	Present but less than mass 443	15.8 (79.7) 1
442	Greater than 40.0 % of mass 198	106.6
443	17.0 - 23.0 % of mass 442	19.9 (18.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-137127/2	h105584.d	11/21/2012	23:23
	MB 460-136417/1-A	h105600.d	11/22/2012	07:22
WG-17338-111612-MW35-CG-268	460-47276-1	h105601.d	11/22/2012	07:52
WG-17338-111612-MW37-CG-269	460-47276-2	h105602.d	11/22/2012	08:22

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Sample No.: CCVIS 460-137127/2 Date Analyzed: 11/21/2012 23:23
Instrument ID: BNAMS9 GC Column: Rtx-5MS ID: 0.25 (mm)
Lab File ID (Standard): h105584.d Heated Purge: (Y/N) N
Calibration ID: 18207

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	12512	5.41	48585	6.72	25120	8.44	
UPPER LIMIT	25024	5.91	97170	7.22	50240	8.94	
LOWER LIMIT	6256	4.91	24293	6.22	12560	7.94	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-136417/1-A		10973	5.41	43993	6.72	21784	8.44
460-47276-1	WG-17338-111612-MW35-CG-268	11248	5.41	38680	6.72	21420	8.44
460-47276-2	WG-17338-111612-MW37-CG-269	11282	5.41	44896	6.72	22966	8.44

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Sample No.: CCVIS 460-137127/2 Date Analyzed: 11/21/2012 23:23
 Instrument ID: BNAMS9 GC Column: Rtx-5MS ID: 0.25 (mm)
 Lab File ID (Standard): h105584.d Heated Purge: (Y/N) N
 Calibration ID: 18207

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	44161	9.89	38675	12.57	36531	14.59	
UPPER LIMIT	88322	10.39	77350	13.07	73062	15.09	
LOWER LIMIT	22081	9.39	19338	12.07	18266	14.09	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-136417/1-A		37114	9.89	30829	12.58	21856	14.59
460-47276-1	WG-17338-111612-MW35-CG-268	36658	9.90	30184	12.57	22480	14.59
460-47276-2	WG-17338-111612-MW37-CG-269	39577	9.90	31804	12.57	24011	14.59

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Client Sample ID: WG-17338-111612-MW35-CG-2 Lab Sample ID: 460-47276-1
Matrix: Water Lab File ID: h105601.d
Analysis Method: 8270C SIM Date Collected: 11/16/2012 14:20
Extract. Method: 3510C Date Extracted: 11/20/2012 16:11
Sample wt/vol: 960 (mL) Date Analyzed: 11/22/2012 07:52
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 137127 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-55-3	Benzo[a]anthracene	0.036	U	0.052	0.036
50-32-8	Benzo[a]pyrene	0.049	U	0.052	0.049
205-99-2	Benzo[b]fluoranthene	0.031	U	0.052	0.031
87-86-5	Pentachlorophenol	0.15	U	0.21	0.15
118-74-1	Hexachlorobenzene	0.018	U	0.021	0.018

Data File: /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/h105601.d
 Report Date: 27-Nov-2012 09:24

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/h105601.d
 Lab Smp Id: 460-47276-A-1-A Client Smp ID: WG-17338-111612-MW3
 Inj Date : 22-NOV-2012 07:52
 Operator : BNAMS 4 Inst ID: BNAMS9.i
 Smp Info : 460-47276-A-1-A
 Misc Info : 460-47276-A-1-A
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/simpah.m
 Meth Date : 27-Nov-2012 08:50 czhao Quant Type: ISTD
 Cal Date : 22-OCT-2012 10:15 Cal File: h104972.d
 Als bottle: 43
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	960.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

						CONCENTRATIONS		
		QUANT	SIG					
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
=====		====	==	=====	=====	=====	=====	=====
* 79	1,4-Dichlorobenzene-d4	152	5.405	5.405	(1.000)	11248	1.00000	
* 80	Naphthalene-d8	136	6.719	6.719	(1.000)	38680	1.00000	
31	Naphthalene	128	6.733	6.733	(1.002)	4119	0.09644	0.20
* 82	Acenaphthene-d10	164	8.443	8.443	(1.000)	21420	1.00000	
* 83	Phenanthrene-d10	188	9.895	9.895	(1.000)	36658	1.00000	
* 81	Chrysene-d12	240	12.572	12.572	(1.000)	30184	1.00000	
* 84	Perylene-d12	264	14.586	14.586	(1.000)	22480	1.00000	

Data File: h105601.d

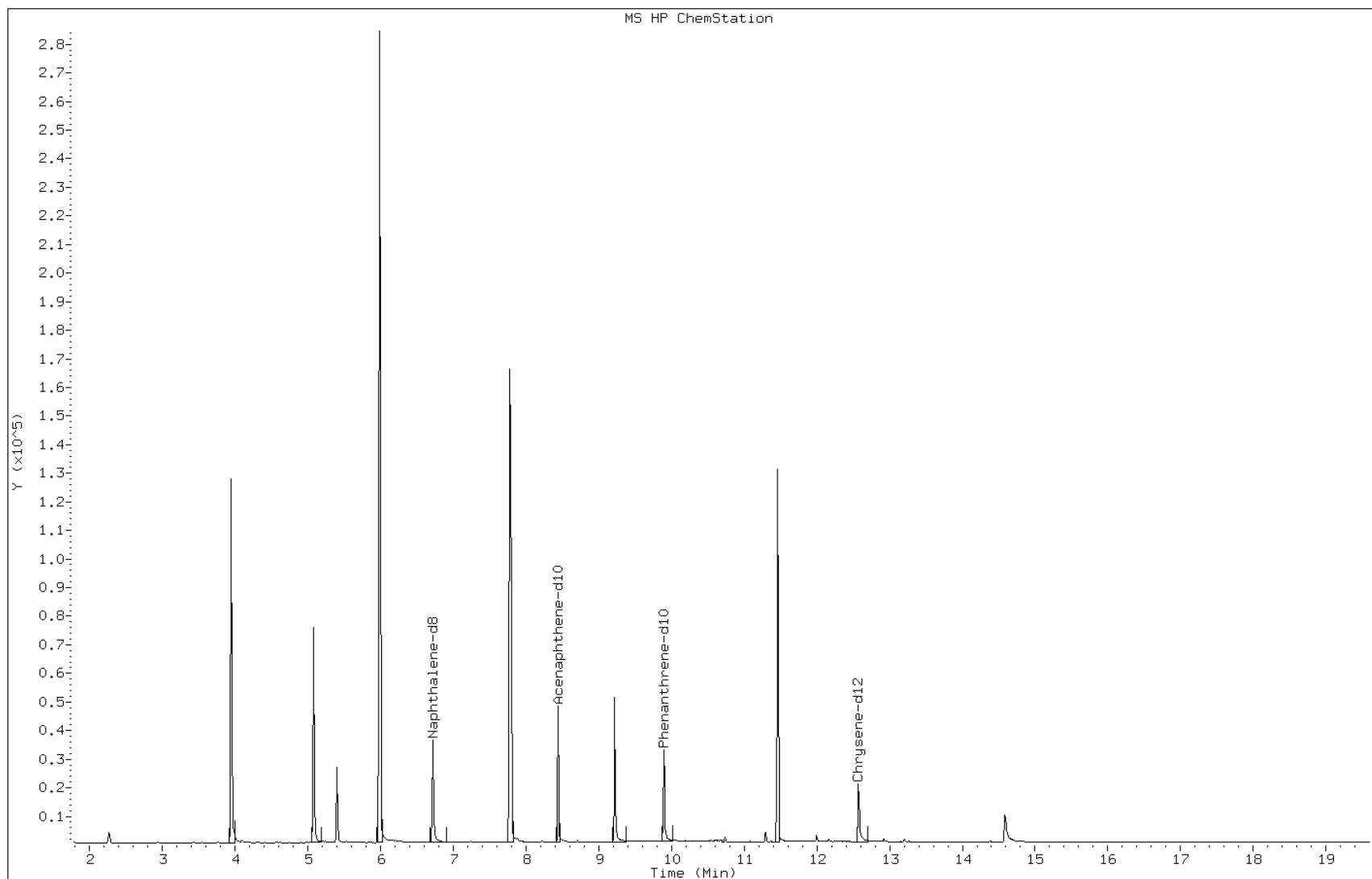
Date: 22-NOV-2012 07:52

Client ID: WG-17338-111612-MW3

Instrument: BNAMS9.i

Sample Info: 460-47276-A-1-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Client Sample ID: WG-17338-111612-MW37-CG-2 Lab Sample ID: 460-47276-2
Matrix: Water Lab File ID: h105602.d
Analysis Method: 8270C SIM Date Collected: 11/16/2012 13:30
Extract. Method: 3510C Date Extracted: 11/20/2012 16:11
Sample wt/vol: 970 (mL) Date Analyzed: 11/22/2012 08:22
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 137127 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-55-3	Benzo[a]anthracene	0.036	U	0.052	0.036
50-32-8	Benzo[a]pyrene	0.049	U	0.052	0.049
205-99-2	Benzo[b]fluoranthene	0.031	U	0.052	0.031
87-86-5	Pentachlorophenol	0.14	U	0.21	0.14
118-74-1	Hexachlorobenzene	0.017	U	0.021	0.017

Data File: /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/h105602.d
 Report Date: 27-Nov-2012 12:40

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/h105602.d
 Lab Smp Id: 460-47276-G-2-A Client Smp ID: WG-17338-111612-MW3
 Inj Date : 22-NOV-2012 08:22
 Operator : BNAMS 4 Inst ID: BNAMS9.i
 Smp Info : 460-47276-G-2-A
 Misc Info : 460-47276-G-2-A
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/simpah.m
 Meth Date : 27-Nov-2012 08:50 czhao Quant Type: ISTD
 Cal Date : 22-OCT-2012 10:15 Cal File: h104972.d
 Als bottle: 44
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	970.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml) FINAL (ug/L)
=====	=====	=====	==	=====	=====	=====	=====
* 79 1,4-Dichlorobenzene-d4	152	5.405	5.405	(1.000)	11282	1.00000	
* 80 Naphthalene-d8	136	6.719	6.719	(1.000)	44896	1.00000	
31 Naphthalene	128	6.733	6.733	(1.002)	97835	1.97358	4.1
* 82 Acenaphthene-d10	164	8.443	8.443	(1.000)	22966	1.00000	
* 83 Phenanthrene-d10	188	9.895	9.895	(1.000)	39577	1.00000	
* 81 Chrysene-d12	240	12.572	12.572	(1.000)	31804	1.00000	
* 84 Perylene-d12	264	14.586	14.586	(1.000)	24011	1.00000	

Data File: h105602.d

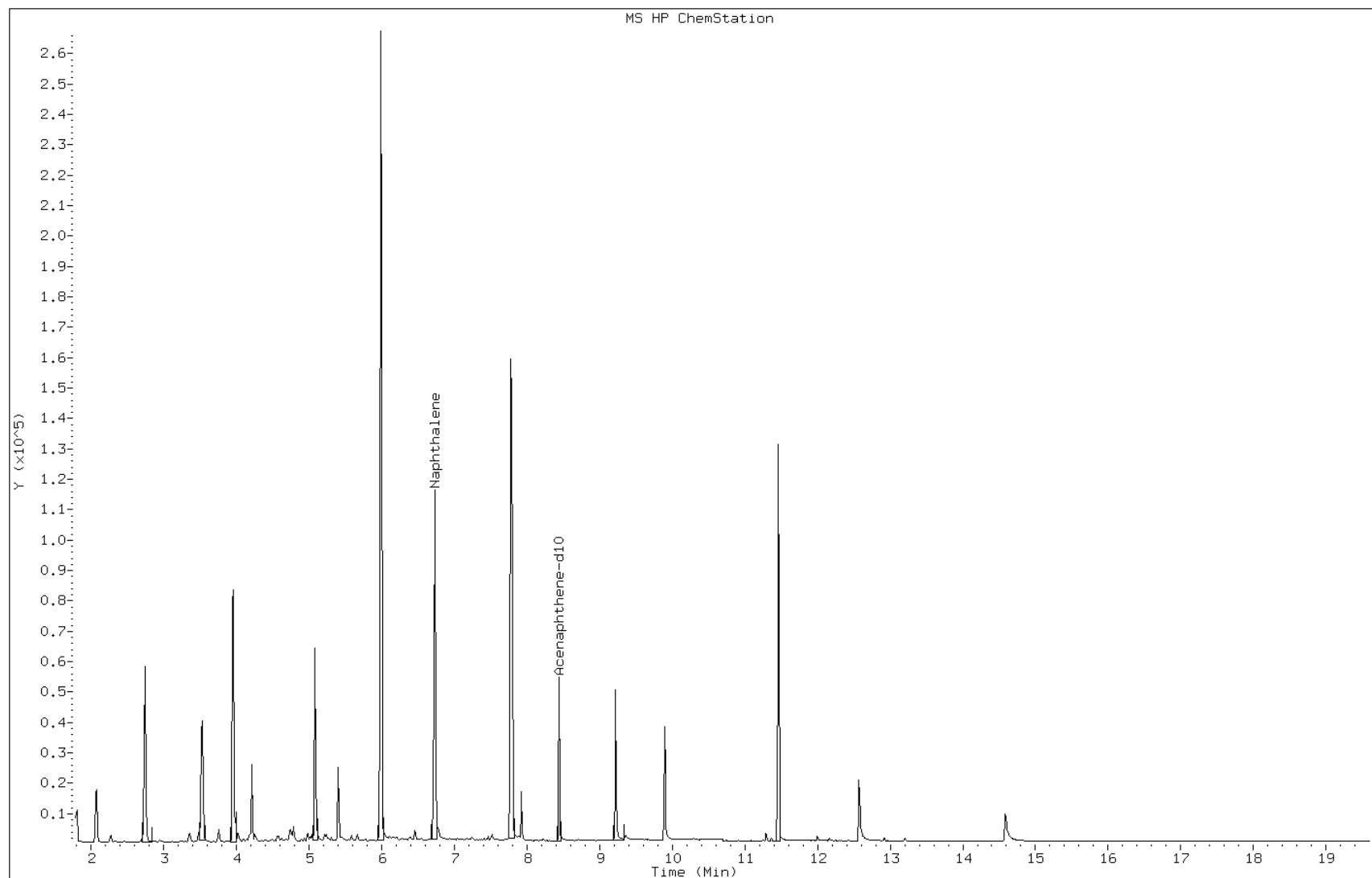
Date: 22-NOV-2012 08:22

Client ID: WG-17338-111612-MW3

Instrument: BNAMS9.i

Sample Info: 460-47276-G-2-A

Operator: BNAMS 4



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

Lab Name: TestAmerica Edison Job No.: 460-47276-1 Analy Batch No.: 133132

SDG No.: _____

Instrument ID: BNAMS9 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2012 07:10 Calibration End Date: 10/22/2012 10:15 Calibration ID: 18207

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-133132/7	h104972.d
Level 2	IC 460-133132/3	h104968.d
Level 3	ICIS 460-133132/2	h104966.d
Level 4	IC 460-133132/4	h104969.d
Level 5	IC 460-133132/5	h104970.d
Level 6	IC 460-133132/6	h104971.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodimethylamine	0.4732 0.5467	0.6080	0.6537	0.6128	0.6507	Ave		0.5909				11.7		15.0			
Bis(2-chloroethyl)ether	1.3712 1.6023	1.5949	1.5442	1.6626	1.5398	Ave		1.5530				6.3		15.0			
Naphthalene	1.3002 0.9785	1.2064	1.0736	1.0410	1.0247	Ave		1.1042				11.2		15.0			
Acenaphthylene	2.5444 2.0826	2.4527	2.1468	2.1286	2.0981	Ave		2.2423				9.0		15.0			
Acenaphthene	1.6222 1.2286	1.4854	1.2847	1.2758	1.2402	Ave		1.3562				11.8		30.0			
Fluorene	1.7935 1.4386	1.6600	1.4957	1.4780	1.4492	Ave		1.5525				9.2		15.0			
Hexachlorobenzene	0.2729 0.2987	0.3306	0.3066	0.3178	0.3077	Ave		0.3060				6.2		15.0			
Pentachlorophenol	0.1322 0.1798	0.1424	0.1987	0.1692	0.1574	Ave		0.1633				15.0		30.0			
Phenanthrene	1.7875 1.2969	1.5914	1.3995	1.3765	1.3160	Ave		1.4613				13.1		15.0			
Anthracene	1.5595 1.3136	1.5109	1.3608	1.3444	1.3079	Ave		1.3996				7.7		15.0			
Fluoranthene	1.5933 1.3013	1.4980	1.3595	1.3471	1.3049	Ave		1.4007				8.5		30.0			
Pyrene	2.2225 1.7166	2.0486	1.8383	1.7941	1.6363	Ave		1.8761				11.7		15.0			
Benzo[a]anthracene	1.7426 1.3478	1.6207	1.4476	1.3728	1.2699	Ave		1.4670				12.3		15.0			
Chrysene	1.8122 1.3798	1.6768	1.4737	1.4451	1.3272	Ave		1.5192				12.3		15.0			
Benzo[b]fluoranthene	1.6444 1.4967	1.6040	1.4259	1.4761	1.2957	Ave		1.4906				8.4		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1 Analy Batch No.: 133132

SDG No.: _____

Instrument ID: BNAMS9 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2012 07:10 Calibration End Date: 10/22/2012 10:15 Calibration ID: 18207

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzo[k]fluoranthene	1.7770 1.4603	1.6994	1.5272	1.5406	1.4377	Ave		1.5737				8.6		15.0			
Benzo[a]pyrene	1.4384 1.3325	1.4088	1.3204	1.3439	1.2152	Ave		1.3433				5.8		30.0			
Indeno[1,2,3-cd]pyrene	1.1568 1.1501	1.1774	1.0834	1.1206	1.0190	Ave		1.1180				5.2		15.0			
Dibenz(a,h)anthracene	1.1381 1.1178	1.1356	1.0751	1.1370	1.0293	Ave		1.1057				4.0		15.0			
Benzo[g,h,i]perylene	1.5129 1.2632	1.4094	1.2838	1.2982	1.1697	Ave		1.3229				9.1		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1 Analy Batch No.: 133132

SDG No.: _____

Instrument ID: BNAMS9 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2012 07:10 Calibration End Date: 10/22/2012 10:15 Calibration ID: 18207

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-133132/7	h104972.d
Level 2	IC 460-133132/3	h104968.d
Level 3	ICIS 460-133132/2	h104966.d
Level 4	IC 460-133132/4	h104969.d
Level 5	IC 460-133132/5	h104970.d
Level 6	IC 460-133132/6	h104971.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	849 46495	2516	5874	10026	22563	0.100 5.00	0.250	0.500	1.00	2.00
Bis(2-chloroethyl)ether	DCB	Ave	246 136256	660	2775	27201	53393	0.0100 5.00	0.0250	0.100	1.00	2.00
Naphthalene	NPT	Ave	2213 130143	3902	7216	32883	67250	0.0250 2.00	0.0500	0.100	0.500	1.00
Acenaphthylene	ANT	Ave	2094 131771	3778	7241	32145	66840	0.0250 2.00	0.0500	0.100	0.500	1.00
Acenaphthene	ANT	Ave	1335 77737	2288	4333	19267	39509	0.0250 2.00	0.0500	0.100	0.500	1.00
Fluorene	ANT	Ave	1476 91024	2557	5045	22320	46169	0.0250 2.00	0.0500	0.100	0.500	1.00
Hexachlorobenzene	PHN	Ave	136 72739	386	1586	14415	29910	0.0100 5.00	0.0250	0.100	1.00	2.00
Pentachlorophenol	PHN	Ave	659 43769	1662	5141	7676	15305	0.100 5.00	0.250	0.500	1.00	2.00
Phenanthrene	PHN	Ave	2227 126313	3716	7240	31216	63965	0.0250 2.00	0.0500	0.100	0.500	1.00
Anthracene	PHN	Ave	1943 127935	3528	7040	30488	63575	0.0250 2.00	0.0500	0.100	0.500	1.00
Fluoranthene	PHN	Ave	1985 126745	3498	7033	30549	63426	0.0250 2.00	0.0500	0.100	0.500	1.00
Pyrene	CRY	Ave	2107 131168	3620	7260	31785	65267	0.0250 2.00	0.0500	0.100	0.500	1.00
Benzo[a]anthracene	CRY	Ave	1652 102987	2864	5717	24321	50652	0.0250 2.00	0.0500	0.100	0.500	1.00
Chrysene	CRY	Ave	1718 105428	2963	5820	25602	52938	0.0250 2.00	0.0500	0.100	0.500	1.00
Benzo[b]fluoranthene	PRY	Ave	1413 103613	2572	5179	23626	47929	0.0250 2.00	0.0500	0.100	0.500	1.00
Benzo[k]fluoranthene	PRY	Ave	1527 101095	2725	5547	24659	53179	0.0250 2.00	0.0500	0.100	0.500	1.00

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

Lab Name: TestAmerica Edison Job No.: 460-47276-1 Analy Batch No.: 133132

SDG No.: _____

Instrument ID: BNAMS9 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2012 07:10 Calibration End Date: 10/22/2012 10:15 Calibration ID: 18207

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzo[a]pyrene	PRY	Ave	1236 92244	2259	4796	21510	44951	0.0250 2.00	0.0500	0.100	0.500	1.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	994 79622	1888	3935	17937	37691	0.0250 2.00	0.0500	0.100	0.500	1.00
Dibenz(a,h)anthracene	PRY	Ave	978 77381	1821	3905	18199	38075	0.0250 2.00	0.0500	0.100	0.500	1.00
Benzo[g,h,i]perylene	PRY	Ave	1300 87450	2260	4663	20779	43267	0.0250 2.00	0.0500	0.100	0.500	1.00

Curve Type Legend:

Ave = Average ISTD

Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104966.d
 Report Date: 22-Oct-2012 09:58

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104966.d
 Lab Smp Id: ICIS-1764505
 Inj Date : 22-OCT-2012 07:10
 Operator : BNAMS 4
 Smp Info : ICIS-1764505
 Misc Info : 4702
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/simpah.m
 Meth Date : 22-Oct-2012 09:58 wahied
 Cal Date : 22-OCT-2012 07:10
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS9.i
 Quant Type: ISTD
 Cal File: h104966.d
 Calibration Sample, Level: 3
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * 1000/Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
							ON-COL (ug/ml)
19 N-Nitrosodimethylamine	74	2.153	2.153	(0.380)	5874	0.50000	0.50
* 79 1,4-Dichlorobenzene-d4	152	5.661	5.661	(1.000)	17971	1.00000	
122 bis(2-chloroethyl)ether	93	5.381	5.381	(0.951)	2775	0.10000	0.10
* 80 Naphthalene-d8	136	6.961	6.961	(1.000)	67213	1.00000	
31 Naphthalene	128	6.989	6.989	(1.004)	7216	0.10000	0.10
39 Acenaphthylene	152	8.559	8.559	(0.984)	7241	0.10000	0.10
* 82 Acenaphthene-d10	164	8.696	8.696	(1.000)	33729	1.00000	
42 Acenaphthene	154	8.735	8.735	(1.004)	4333	0.10000	0.10
47 Fluorene	166	9.241	9.241	(1.063)	5045	0.10000	0.10
51 Hexachlorobenzene	284	9.787	9.787	(0.963)	1586	0.10000	0.10
14 Pentachlorophenol	266	9.982	9.982	(0.982)	5141	0.50000	0.50
* 83 Phenanthrene-d10	188	10.167	10.167	(1.000)	51734	1.00000	
52 Phenanthrene	178	10.186	10.186	(1.002)	7240	0.10000	0.10
53 Anthracene	178	10.235	10.235	(1.007)	7040	0.10000	0.10
56 Fluoranthene	202	11.352	11.352	(1.117)	7033	0.10000	0.10

Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104966.d
 Report Date: 22-Oct-2012 09:58

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
57 Pyrene	202	11.576	11.576	(0.897)	7260	0.10000	0.10
61 Benzo(a)anthracene	228	12.902	12.902	(0.999)	5717	0.10000	0.10
* 81 Chrysene-d12	240	12.911	12.911	(1.000)	39492	1.00000	
62 Chrysene	228	12.945	12.945	(1.003)	5820	0.10000	0.10
65 Benzo(b)fluoranthene	252	14.426	14.426	(0.959)	5179	0.10000	0.10
66 Benzo(k)fluoranthene	252	14.469	14.469	(0.962)	5547	0.10000	0.10
67 Benzo(a)pyrene	252	14.951	14.951	(0.994)	4796	0.10000	0.10
* 84 Perylene-d12	264	15.046	15.046	(1.000)	36321	1.00000	
68 Indeno(1,2,3-cd)pyrene	276	16.905	16.905	(1.124)	3935	0.10000	0.10
69 Dibenzo(a,h)anthracene	278	16.957	16.957	(1.127)	3905	0.10000	0.10
70 Benzo(g,h,i)perylene	276	17.387	17.387	(1.156)	4663	0.10000	0.10

Data File: h104966.d

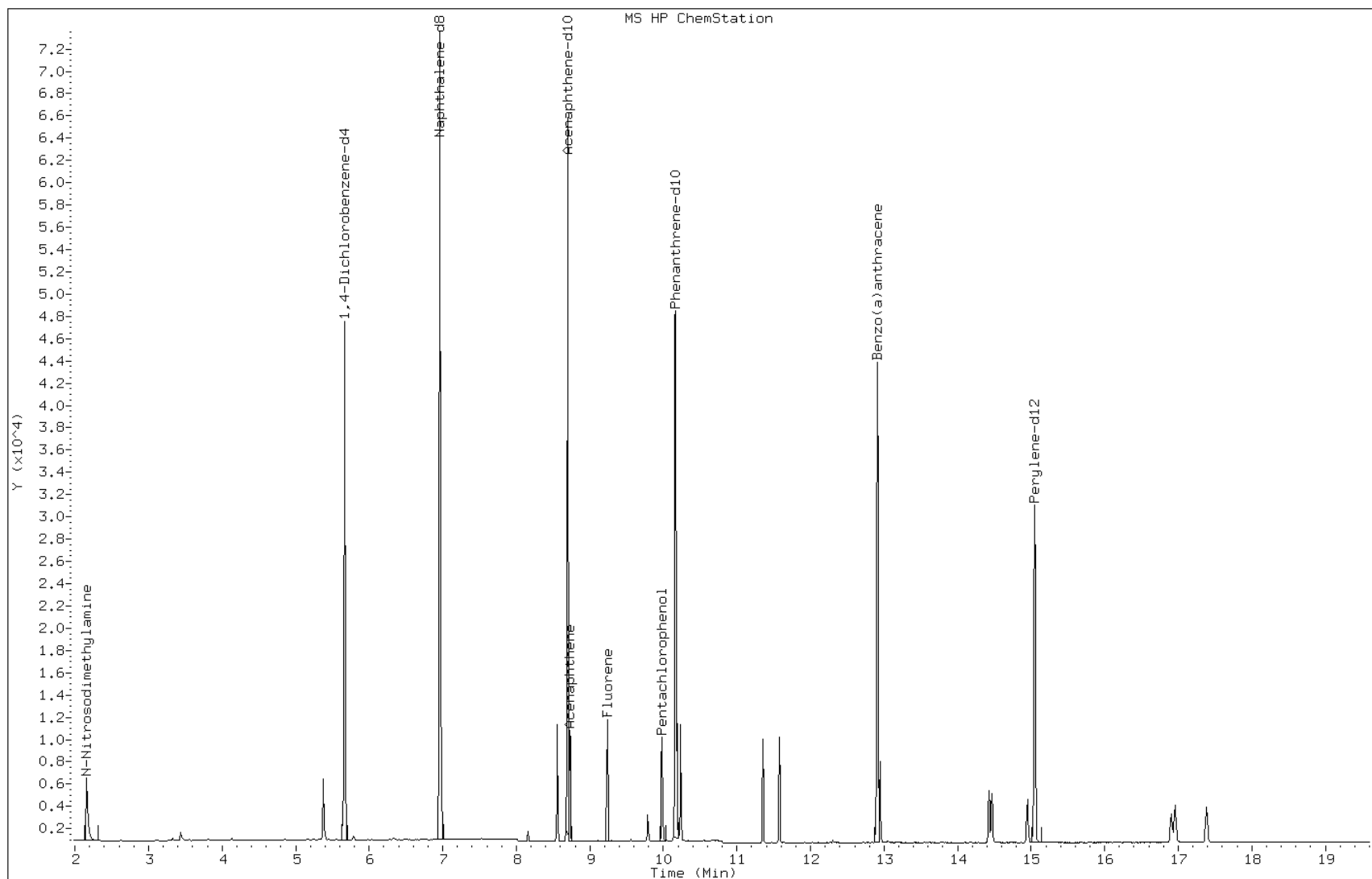
Date: 22-OCT-2012 07:10

Client ID:

Instrument: BNAMS9.i

Sample Info: ICIS-1764505

Operator: BNAMS 4



Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104968.d
 Report Date: 22-Oct-2012 09:58

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104968.d
 Lab Smp Id: IC-1764601
 Inj Date : 22-OCT-2012 08:10
 Operator : BNAMS 4
 Smp Info : IC-1764601
 Misc Info :
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/simpah.m
 Meth Date : 22-Oct-2012 09:58 wahied
 Cal Date : 22-OCT-2012 08:10
 Als bottle: 4
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS9.i
 Quant Type: ISTD
 Cal File: h104968.d
 Calibration Sample, Level: 2
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
19 N-Nitrosodimethylamine		74	2.181	2.181 (0.385)		2516	0.25000	0.24
* 79 1,4-Dichlorobenzene-d4		152	5.661	5.661 (1.000)		16553	1.00000	
122 bis(2-chloroethyl)ether		93	5.382	5.382 (0.951)		660	0.02500	0.025
* 80 Naphthalene-d8		136	6.961	6.961 (1.000)		64686	1.00000	
31 Naphthalene		128	6.975	6.975 (1.002)		3902	0.05000	0.053
39 Acenaphthylene		152	8.560	8.560 (0.984)		3778	0.05000	0.053
* 82 Acenaphthene-d10		164	8.696	8.696 (1.000)		30807	1.00000	
42 Acenaphthene		154	8.725	8.725 (1.003)		2288	0.05000	0.054
47 Fluorene		166	9.242	9.242 (1.063)		2557	0.05000	0.053
51 Hexachlorobenzene		284	9.787	9.787 (0.964)		386	0.02500	0.026
14 Pentachlorophenol		266	9.982	9.982 (0.983)		1662	0.25000	0.21
* 83 Phenanthrene-d10		188	10.158	10.158 (1.000)		46701	1.00000	
52 Phenanthrene		178	10.177	10.177 (1.002)		3716	0.05000	0.053
53 Anthracene		178	10.235	10.235 (1.008)		3528	0.05000	0.053
56 Fluoranthene		202	11.353	11.353 (1.118)		3498	0.05000	0.052

Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104968.d
 Report Date: 22-Oct-2012 09:58

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
57 Pyrene	202	11.577	11.577	(0.897)	3620	0.05000	0.053
61 Benzo(a)anthracene	228	12.894	12.894	(0.999)	2864	0.05000	0.053
* 81 Chrysene-d12	240	12.911	12.911	(1.000)	35342	1.00000	
62 Chrysene	228	12.945	12.945	(1.003)	2963	0.05000	0.053
65 Benzo(b)fluoranthene	252	14.426	14.426	(0.959)	2572	0.05000	0.053
66 Benzo(k)fluoranthene	252	14.469	14.469	(0.962)	2725	0.05000	0.053
67 Benzo(a)pyrene	252	14.951	14.951	(0.994)	2259	0.05000	0.052
* 84 Perylene-d12	264	15.046	15.046	(1.000)	32070	1.00000	
68 Indeno(1,2,3-cd)pyrene	276	16.914	16.914	(1.124)	1888	0.05000	0.052
69 Dibenzo(a,h)anthracene	278	16.957	16.957	(1.127)	1821	0.05000	0.051
70 Benzo(g,h,i)perylene	276	17.388	17.388	(1.156)	2260	0.05000	0.052

Data File: h104968.d

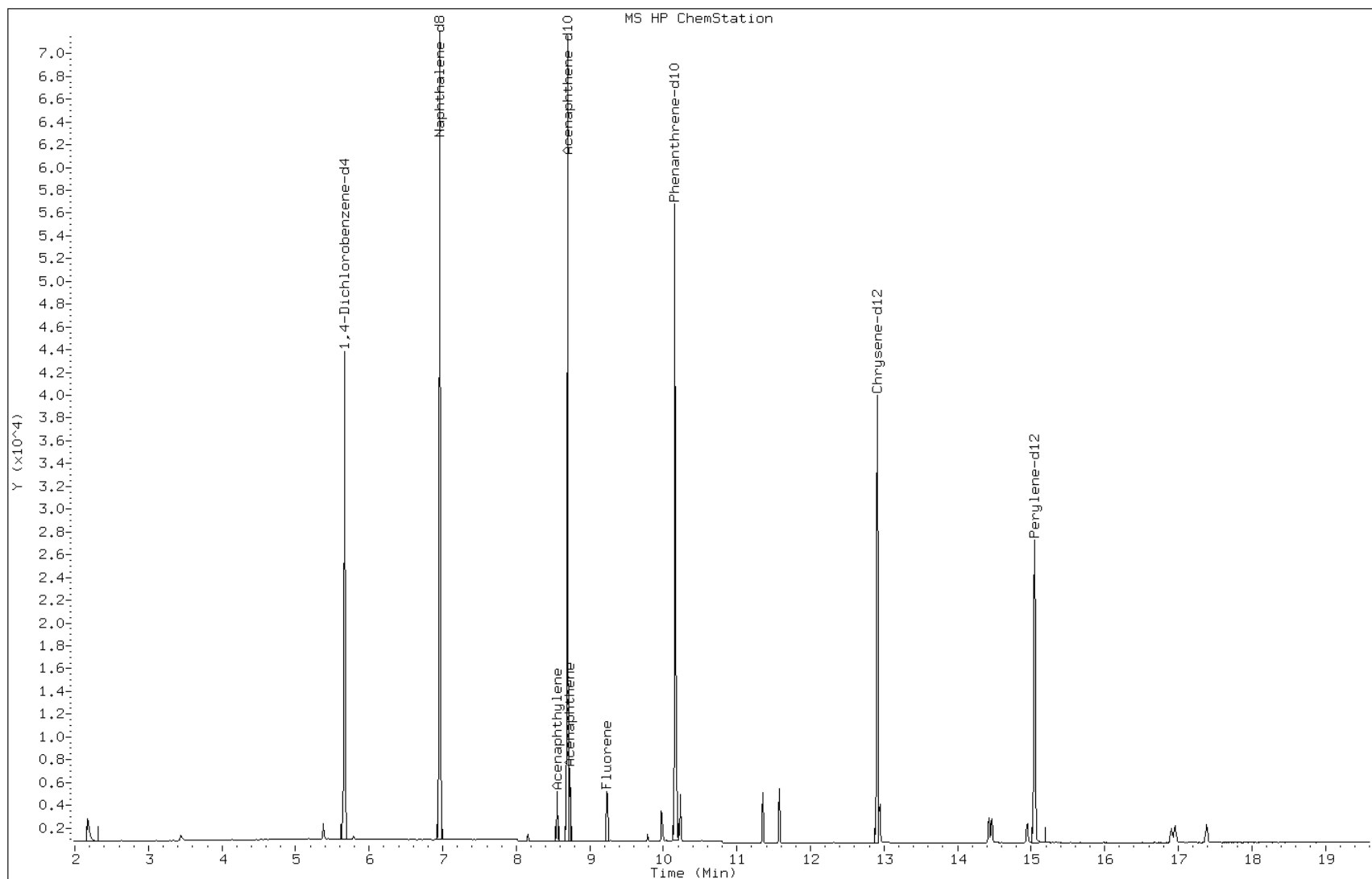
Date: 22-OCT-2012 08:10

Client ID:

Instrument: BNAMS9.i

Sample Info: IC-1764601

Operator: BNAMS 4



Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104969.d
 Report Date: 22-Oct-2012 09:58

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104969.d
 Lab Smp Id: IC-1764602
 Inj Date : 22-OCT-2012 08:40
 Operator : BNAMS 4
 Smp Info : IC-1764602
 Misc Info :
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/simpah.m
 Meth Date : 22-Oct-2012 09:58 wahied
 Cal Date : 22-OCT-2012 08:40
 Als bottle: 5
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS9.i
 Quant Type: ISTD
 Cal File: h104969.d
 Calibration Sample, Level: 4
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
19 N-Nitrosodimethylamine		74	2.139	2.139	(0.378)	10026	1.00000	0.98
* 79 1,4-Dichlorobenzene-d4		152	5.661	5.661	(1.000)	16361	1.00000	
122 bis(2-chloroethyl)ether		93	5.382	5.382	(0.951)	27201	1.00000	1.0
* 80 Naphthalene-d8		136	6.961	6.961	(1.000)	63174	1.00000	
31 Naphthalene		128	6.975	6.975	(1.002)	32883	0.50000	0.47
39 Acenaphthylene		152	8.559	8.559	(0.984)	32145	0.50000	0.47
* 82 Acenaphthene-d10		164	8.696	8.696	(1.000)	30203	1.00000	
42 Acenaphthene		154	8.725	8.725	(1.003)	19267	0.50000	0.47
47 Fluorene		166	9.241	9.241	(1.063)	22320	0.50000	0.48
51 Hexachlorobenzene		284	9.787	9.787	(0.964)	14415	1.00000	1.00
14 Pentachlorophenol		266	9.972	9.972	(0.982)	7676	1.00000	0.99
* 83 Phenanthrene-d10		188	10.157	10.157	(1.000)	45356	1.00000	
52 Phenanthrene		178	10.187	10.187	(1.003)	31216	0.50000	0.47
53 Anthracene		178	10.235	10.235	(1.008)	30488	0.50000	0.48
56 Fluoranthene		202	11.353	11.353	(1.118)	30549	0.50000	0.48

Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104969.d
 Report Date: 22-Oct-2012 09:58

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
57 Pyrene	202	11.576	11.576	(0.897)	31785	0.50000	0.47
61 Benzo(a)anthracene	228	12.894	12.894	(0.999)	24321	0.50000	0.46
* 81 Chrysene-d12	240	12.911	12.911	(1.000)	35432	1.00000	
62 Chrysene	228	12.945	12.945	(1.003)	25602	0.50000	0.47
65 Benzo(b)fluoranthene	252	14.426	14.426	(0.959)	23626	0.50000	0.49
66 Benzo(k)fluoranthene	252	14.469	14.469	(0.962)	24659	0.50000	0.48
67 Benzo(a)pyrene	252	14.942	14.942	(0.993)	21510	0.50000	0.49
* 84 Perylene-d12	264	15.046	15.046	(1.000)	32012	1.00000	
68 Indeno(1,2,3-cd)pyrene	276	16.905	16.905	(1.124)	17937	0.50000	0.50
69 Dibenzo(a,h)anthracene	278	16.957	16.957	(1.127)	18199	0.50000	0.51
70 Benzo(g,h,i)perylene	276	17.387	17.387	(1.156)	20779	0.50000	0.49

Data File: h104969.d

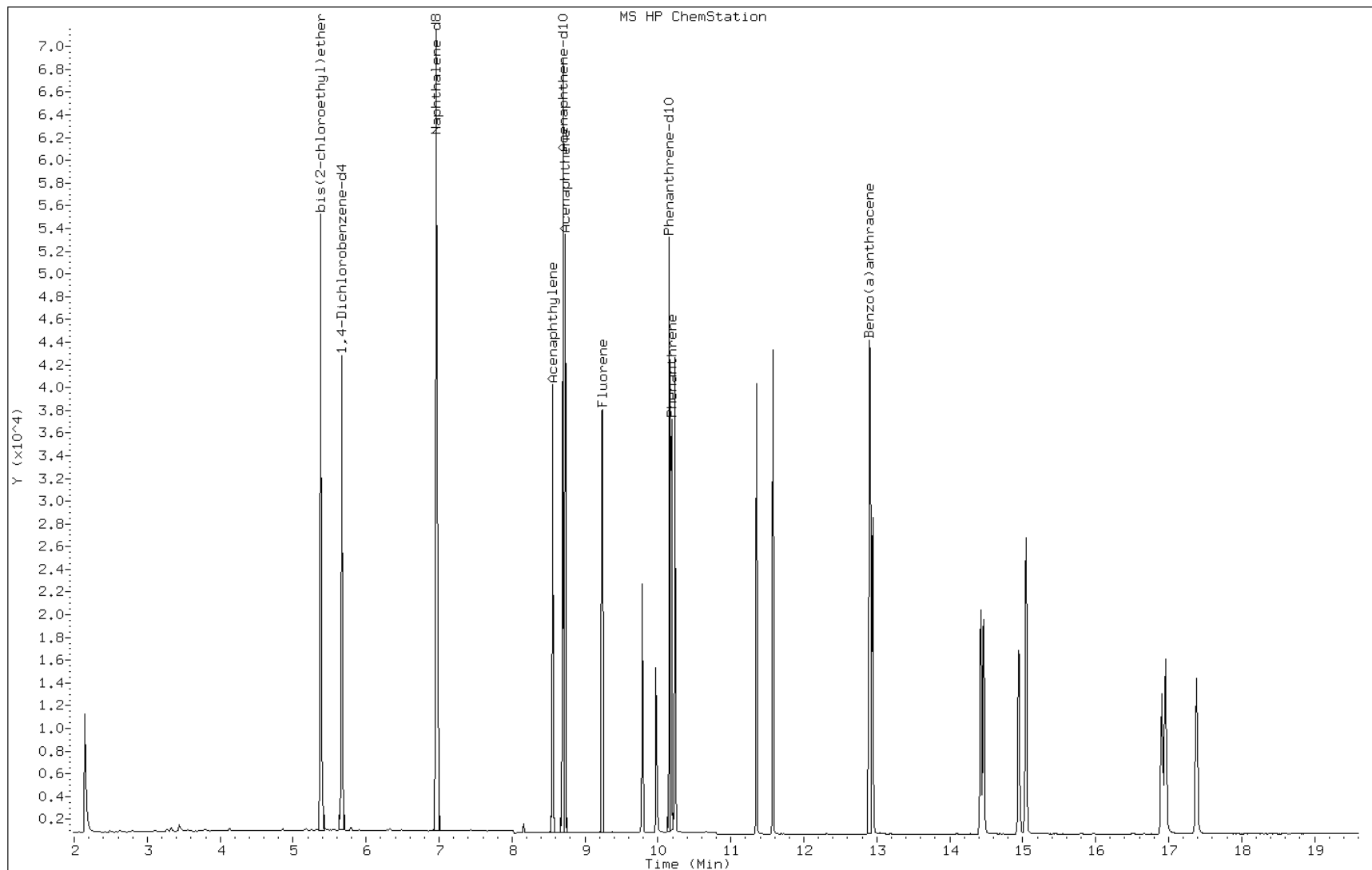
Date: 22-OCT-2012 08:40

Client ID:

Instrument: BNAMS9.i

Sample Info: IC-1764602

Operator: BNAMS 4



Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104970.d
 Report Date: 22-Oct-2012 09:58

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104970.d
 Lab Smp Id: IC-1764653
 Inj Date : 22-OCT-2012 09:10
 Operator : BNAMS 4
 Smp Info : IC-1764653
 Misc Info :
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/simpah.m
 Meth Date : 22-Oct-2012 09:58 wahied
 Cal Date : 22-OCT-2012 09:10
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS9.i
 Quant Type: ISTD
 Cal File: h104970.d
 Calibration Sample, Level: 5
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	=====	==	=====	=====	=====	=====	=====
19 N-Nitrosodimethylamine	74		2.125	2.125 (0.375)		22563	2.00000	2.1
* 79 1,4-Dichlorobenzene-d4	152		5.661	5.661 (1.000)		17338	1.00000	
122 bis(2-chloroethyl)ether	93		5.382	5.382 (0.951)		53393	2.00000	1.9
* 80 Naphthalene-d8	136		6.961	6.961 (1.000)		65626	1.00000	
31 Naphthalene	128		6.975	6.975 (1.002)		67250	1.00000	0.94
39 Acenaphthylene	152		8.559	8.559 (0.984)		66840	1.00000	0.95
* 82 Acenaphthene-d10	164		8.696	8.696 (1.000)		31858	1.00000	
42 Acenaphthene	154		8.725	8.725 (1.003)		39509	1.00000	0.94
47 Fluorene	166		9.232	9.232 (1.062)		46169	1.00000	0.95
51 Hexachlorobenzene	284		9.787	9.787 (0.964)		29910	2.00000	1.9
14 Pentachlorophenol	266		9.972	9.972 (0.982)		15305	2.00000	1.9
* 83 Phenanthrene-d10	188		10.157	10.157 (1.000)		48607	1.00000	
52 Phenanthrene	178		10.177	10.177 (1.002)		63965	1.00000	0.93
53 Anthracene	178		10.235	10.235 (1.008)		63575	1.00000	0.95
56 Fluoranthene	202		11.353	11.353 (1.118)		63426	1.00000	0.95

Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104970.d
 Report Date: 22-Oct-2012 09:58

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
57 Pyrene	202	11.576	11.576	(0.897)	65267	1.00000	0.89
61 Benzo(a)anthracene	228	12.902	12.902	(0.999)	50652	1.00000	0.89
* 81 Chrysene-d12	240	12.911	12.911	(1.000)	39887	1.00000	
62 Chrysene	228	12.945	12.945	(1.003)	52938	1.00000	0.90
65 Benzo(b)fluoranthene	252	14.426	14.426	(0.959)	47929	1.00000	0.89
66 Benzo(k)fluoranthene	252	14.469	14.469	(0.962)	53179	1.00000	0.93
67 Benzo(a)pyrene	252	14.951	14.951	(0.994)	44951	1.00000	0.92
* 84 Perylene-d12	264	15.046	15.046	(1.000)	36990	1.00000	
68 Indeno(1,2,3-cd)pyrene	276	16.914	16.914	(1.124)	37691	1.00000	0.93
69 Dibenzo(a,h)anthracene	278	16.966	16.966	(1.128)	38075	1.00000	0.94
70 Benzo(g,h,i)perylene	276	17.388	17.388	(1.156)	43267	1.00000	0.91

Data File: h104970.d

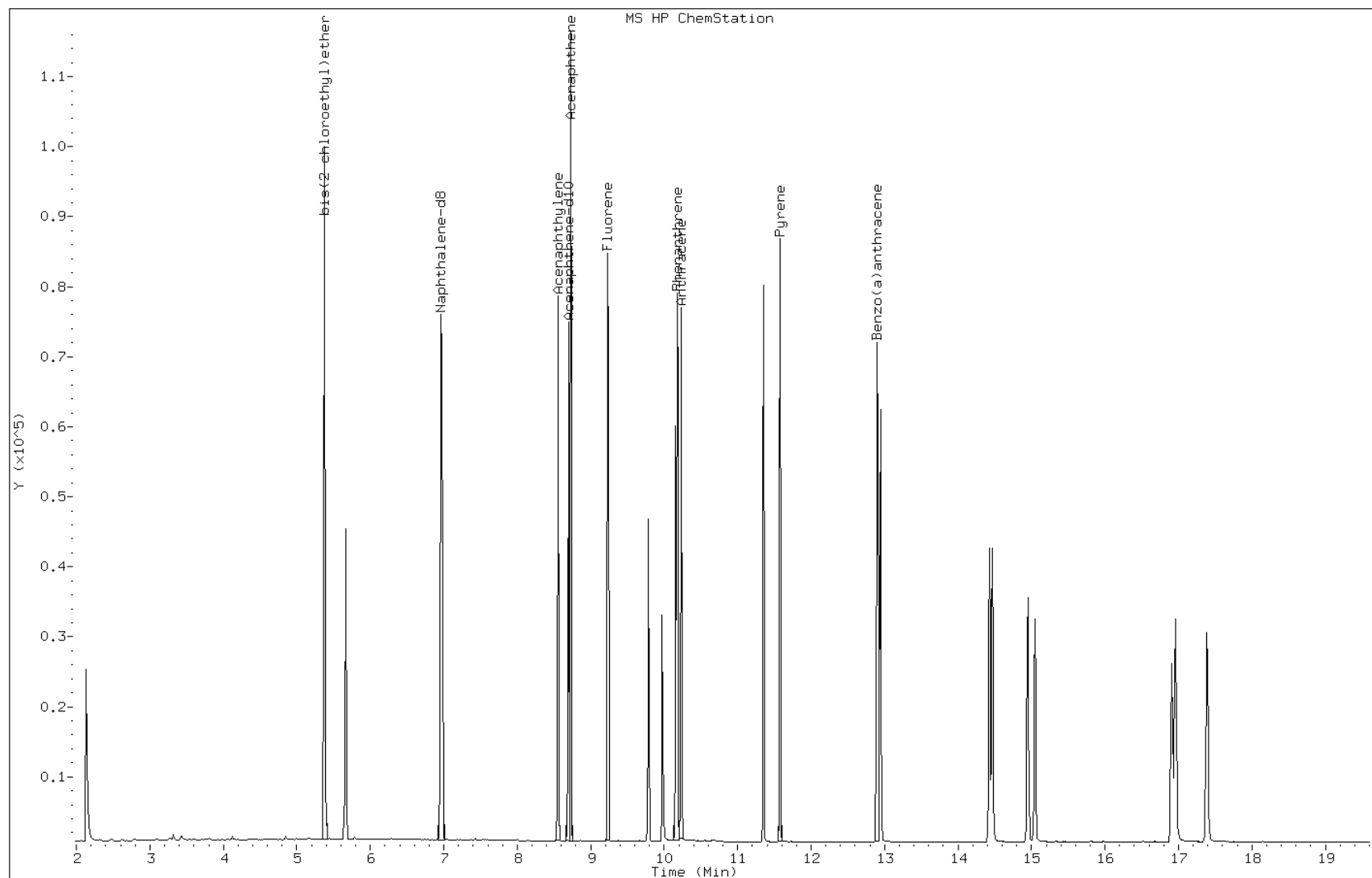
Date: 22-OCT-2012 09:10

Client ID:

Instrument: BNAMS9.i

Sample Info: IC-1764653

Operator: BNAMS 4



Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104971.d
 Report Date: 22-Oct-2012 10:08

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104971.d
 Lab Smp Id: IC-1764671
 Inj Date : 22-OCT-2012 09:46
 Operator : BNAMS 4
 Smp Info : IC-1764671
 Misc Info :
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/simpah.m
 Meth Date : 22-Oct-2012 10:08 czhao
 Cal Date : 22-OCT-2012 09:46
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS9.i
 Quant Type: ISTD
 Cal File: h104971.d
 Calibration Sample, Level: 6
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
19 N-Nitrosodimethylamine	74	2.251	2.251 (0.398)	46495	5.00000	4.3(H)		
* 79 1,4-Dichlorobenzene-d4	152	5.661	5.661 (1.000)	17008	1.00000			
122 bis(2-chloroethyl)ether	93	5.382	5.382 (0.951)	136256	5.00000	5.0(A)		
* 80 Naphthalene-d8	136	6.961	6.961 (1.000)	66498	1.00000			
31 Naphthalene	128	6.975	6.975 (1.002)	130143	2.00000	1.8		
39 Acenaphthylene	152	8.559	8.559 (0.984)	131771	2.00000	1.9		
* 82 Acenaphthene-d10	164	8.696	8.696 (1.000)	31636	1.00000			
42 Acenaphthene	154	8.725	8.725 (1.003)	77737	2.00000	1.9		
47 Fluorene	166	9.242	9.242 (1.063)	91024	2.00000	1.9		
51 Hexachlorobenzene	284	9.787	9.787 (0.964)	72739	5.00000	4.8		
14 Pentachlorophenol	266	9.972	9.972 (0.982)	43769	5.00000	5.3(A)		
* 83 Phenanthrene-d10	188	10.157	10.157 (1.000)	48698	1.00000			
52 Phenanthrene	178	10.187	10.187 (1.003)	126313	2.00000	1.8		
53 Anthracene	178	10.235	10.235 (1.008)	127935	2.00000	1.9		
56 Fluoranthene	202	11.353	11.353 (1.118)	126745	2.00000	1.9		

Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104971.d
 Report Date: 22-Oct-2012 10:08

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
57 Pyrene	202	11.576	11.576	(0.897)	131168	2.00000	1.9
61 Benzo(a)anthracene	228	12.902	12.902	(0.999)	102987	2.00000	1.9
* 81 Chrysene-d12	240	12.911	12.911	(1.000)	38205	1.00000	
62 Chrysene	228	12.945	12.945	(1.003)	105428	2.00000	1.9
65 Benzo(b)fluoranthene	252	14.426	14.426	(0.959)	103613	2.00000	2.0(A)
66 Benzo(k)fluoranthene	252	14.469	14.469	(0.962)	101095	2.00000	1.9
67 Benzo(a)pyrene	252	14.951	14.951	(0.994)	92244	2.00000	2.0(A)
* 84 Perylene-d12	264	15.046	15.046	(1.000)	34614	1.00000	
68 Indeno(1,2,3-cd)pyrene	276	16.914	16.914	(1.124)	79622	2.00000	2.1(A)
69 Dibenzo(a,h)anthracene	278	16.966	16.966	(1.128)	77381	2.00000	2.0(A)
70 Benzo(g,h,i)perylene	276	17.396	17.396	(1.156)	87450	2.00000	2.0

QC Flag Legend

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

Data File: h104971.d

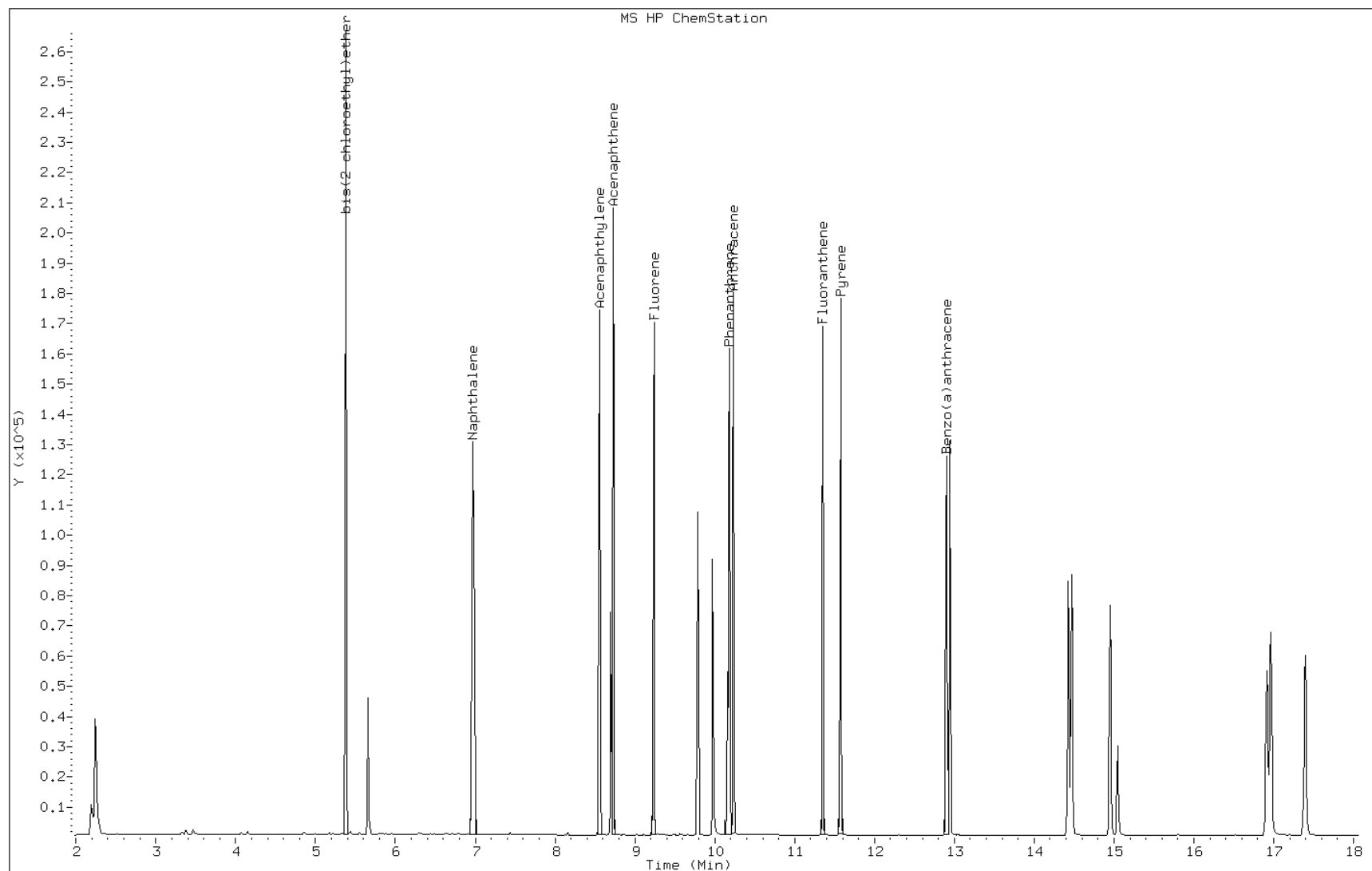
Date: 22-OCT-2012 09:46

Client ID:

Instrument: BNAMS9.i

Sample Info: IC-1764671

Operator: BNAMS 4



Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104972.d
 Report Date: 22-Oct-2012 10:36

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104972.d
 Lab Smp Id: IC-1764587
 Inj Date : 22-OCT-2012 10:15
 Operator : BNAMS 4
 Smp Info : IC-1764587
 Misc Info :
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/simpah.m
 Meth Date : 22-Oct-2012 10:36 czhao
 Cal Date : 22-OCT-2012 10:15
 Als bottle: 8
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS9.i
 Quant Type: ISTD
 Cal File: h104972.d
 Calibration Sample, Level: 1
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
19 N-Nitrosodimethylamine		74	2.181	2.181 (0.385)		849	0.10000	0.079(a)
* 79 1,4-Dichlorobenzene-d4		152	5.661	5.661 (1.000)		17940	1.00000	
122 bis(2-chloroethyl)ether		93	5.381	5.381 (0.951)		246	0.01000	0.0088(a)
* 80 Naphthalene-d8		136	6.961	6.961 (1.000)		68080	1.00000	
31 Naphthalene		128	6.975	6.975 (1.002)		2213	0.02500	0.029
39 Acenaphthylene		152	8.559	8.559 (0.984)		2094	0.02500	0.028
* 82 Acenaphthene-d10		164	8.696	8.696 (1.000)		32919	1.00000	
42 Acenaphthene		154	8.725	8.725 (1.003)		1335	0.02500	0.030
47 Fluorene		166	9.232	9.232 (1.062)		1476	0.02500	0.029
51 Hexachlorobenzene		284	9.787	9.787 (0.964)		136	0.01000	0.0090(a)
14 Pentachlorophenol		266	9.982	9.982 (0.983)		659	0.10000	0.081(a)
* 83 Phenanthrene-d10		188	10.157	10.157 (1.000)		49835	1.00000	
52 Phenanthrene		178	10.177	10.177 (1.002)		2227	0.02500	0.030
53 Anthracene		178	10.235	10.235 (1.008)		1943	0.02500	0.028
56 Fluoranthene		202	11.352	11.352 (1.118)		1985	0.02500	0.028

Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104972.d
 Report Date: 22-Oct-2012 10:36

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
57 Pyrene	202	11.576	11.576	(0.897)	2107	0.02500	0.030
61 Benzo(a)anthracene	228	12.893	12.893	(0.999)	1652	0.02500	0.030
* 81 Chrysene-d12	240	12.911	12.911	(1.000)	37921	1.00000	
62 Chrysene	228	12.945	12.945	(1.003)	1718	0.02500	0.030
65 Benzo(b)fluoranthene	252	14.426	14.426	(0.959)	1413	0.02500	0.028
66 Benzo(k)fluoranthene	252	14.469	14.469	(0.962)	1527	0.02500	0.028
67 Benzo(a)pyrene	252	14.951	14.951	(0.994)	1236	0.02500	0.027
* 84 Perylene-d12	264	15.046	15.046	(1.000)	34372	1.00000	
68 Indeno(1,2,3-cd)pyrene	276	16.905	16.905	(1.124)	994	0.02500	0.026
69 Dibenzo(a,h)anthracene	278	16.957	16.957	(1.127)	978	0.02500	0.026
70 Benzo(g,h,i)perylene	276	17.387	17.387	(1.156)	1300	0.02500	0.028

QC Flag Legend

a - Target compound detected but, quantitated amount
 Below Limit Of Quantitation(BLOQ).

Data File: h104972.d

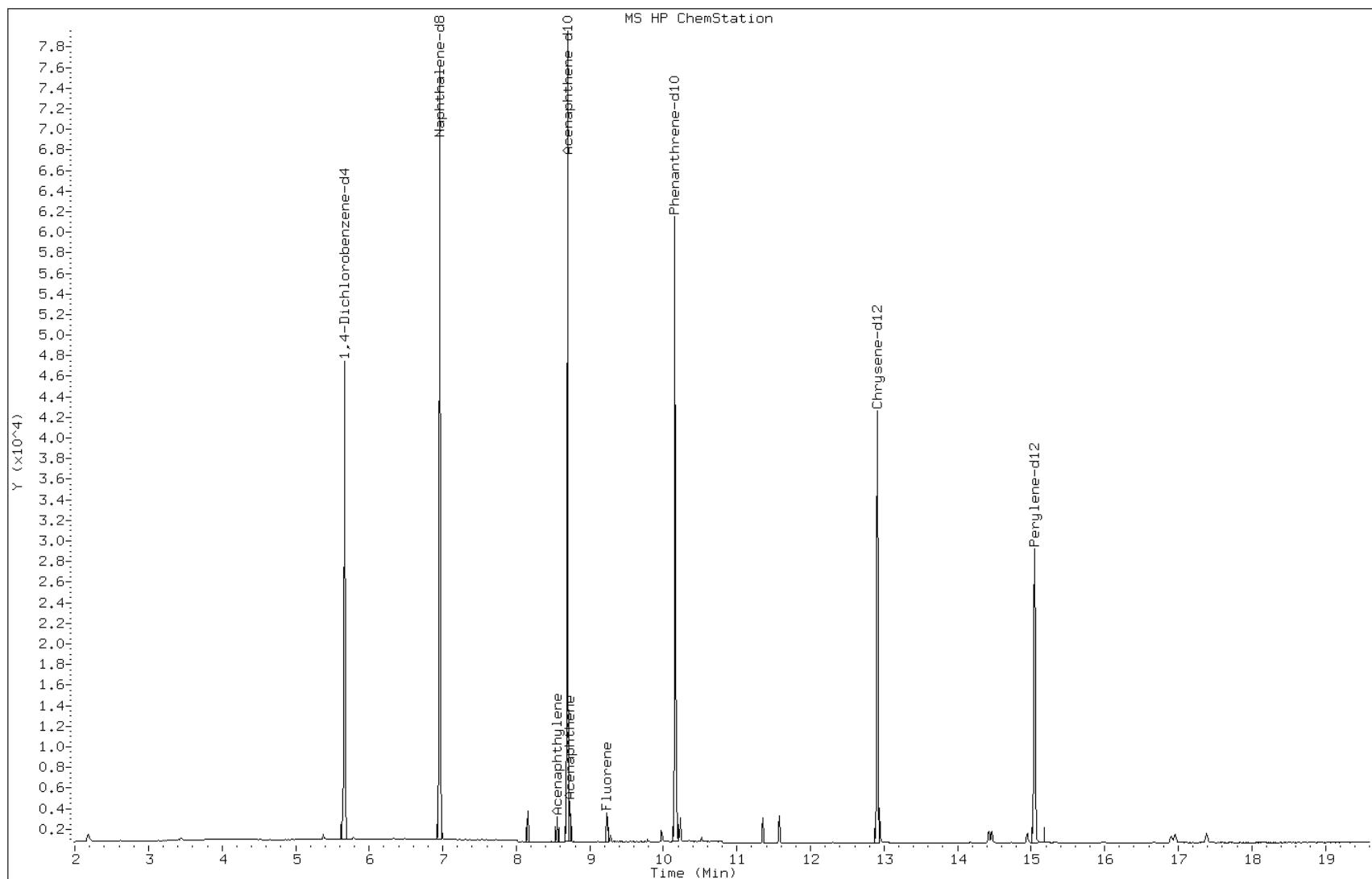
Date: 22-OCT-2012 10:15

Client ID:

Instrument: BNAMS9.i

Sample Info: IC-1764587

Operator: BNAMS 4



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-137127/2 Calibration Date: 11/21/2012 23:23
 Instrument ID: BNAMS9 Calib Start Date: 10/22/2012 07:10
 GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 10/22/2012 10:15
 Lab File ID: h105584.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.5909	0.4957		419	500	-16.1	20.0
Bis(2-chloroethyl)ether	Ave	1.552	1.435		92.4	100	-7.5	20.0
Naphthalene	Ave	1.104	1.186		107	100	7.4	20.0
Acenaphthylene	Ave	2.242	2.237		99.8	100	-0.2	20.0
Acenaphthene	Ave	1.356	1.189		87.7	100	-12.3	20.0
Fluorene	Ave	1.553	1.520		97.9	100	-2.1	20.0
Hexachlorobenzene	Ave	0.3057	0.3293		108	100	7.7	20.0
Pentachlorophenol	Ave	0.1633	0.1725		528	500	5.6	20.0
Phenanthrene	Ave	1.461	1.242		85.0	100	-15.0	20.0
Anthracene	Ave	1.400	1.485		106	100	6.1	20.0
Fluoranthene	Ave	1.401	1.446		103	100	3.3	20.0
Pyrene	Ave	1.876	1.708		91.0	100	-9.0	20.0
Benzo[a]anthracene	Ave	1.467	1.330		90.7	100	-9.3	20.0
Chrysene	Ave	1.519	1.514		99.6	100	-0.3	20.0
Benzo[b]fluoranthene	Ave	1.490	1.396		93.7	100	-6.3	20.0
Benzo[k]fluoranthene	Ave	1.574	1.650		105	100	4.8	20.0
Benzo[a]pyrene	Ave	1.343	1.306		97.2	100	-2.8	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.118	1.232		110	100	10.2	20.0
Dibenz(a,h)anthracene	Ave	1.106	1.021		92.3	100	-7.7	20.0
Benzo[g,h,i]perylene	Ave	1.323	0.9844		74.4	100	-25.6*	20.0

Data File: /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/h105584.d
 Report Date: 27-Nov-2012 08:50

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/h105584.d
 Lab Smp Id: CCVIS-1764505
 Inj Date : 21-NOV-2012 23:23
 Operator : BNAMS 4
 Smp Info : CCVIS-1764505
 Misc Info :
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/simpah.m
 Meth Date : 27-Nov-2012 08:50 czhao
 Cal Date : 22-OCT-2012 10:15
 Als bottle: 26
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS9.i
 Quant Type: ISTD
 Cal File: h104972.d
 Continuing Calibration Sample
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
							ON-COL (ug/ml)
19 N-Nitrosodimethylamine	74	1.869	1.869	(0.346)	3101	0.50000	0.42
* 79 1,4-Dichlorobenzene-d4	152	5.405	5.405	(1.000)	12512	1.00000	
122 bis(2-chloroethyl)ether	93	5.140	5.140	(0.951)	1796	0.10000	0.092
* 80 Naphthalene-d8	136	6.719	6.719	(1.000)	48585	1.00000	
31 Naphthalene	128	6.733	6.733	(1.002)	5760	0.10000	0.11
39 Acenaphthylene	152	8.307	8.307	(0.984)	5619	0.10000	0.100
* 82 Acenaphthene-d10	164	8.443	8.443	(1.000)	25120	1.00000	
42 Acenaphthene	154	8.472	8.472	(1.003)	2987	0.10000	0.088
47 Fluorene	166	8.989	8.989	(1.065)	3817	0.10000	0.098
51 Hexachlorobenzene	284	9.525	9.525	(0.963)	1454	0.10000	0.11
14 Pentachlorophenol	266	9.729	9.729	(0.983)	3808	0.50000	0.53
* 83 Phenanthrene-d10	188	9.895	9.895	(1.000)	44161	1.00000	
52 Phenanthrene	178	9.924	9.924	(1.003)	5484	0.10000	0.085
53 Anthracene	178	9.973	9.973	(1.008)	6558	0.10000	0.11
56 Fluoranthene	202	11.082	11.082	(1.120)	6387	0.10000	0.10

Data File: /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/h105584.d
 Report Date: 27-Nov-2012 08:50

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
57 Pyrene	202	11.306	11.306	(0.899)	6604	0.10000	0.091
61 Benzo(a)anthracene	228	12.563	12.563	(0.999)	5144	0.10000	0.091
* 81 Chrysene-d12	240	12.572	12.572	(1.000)	38675	1.00000	
62 Chrysene	228	12.606	12.606	(1.003)	5855	0.10000	0.100
65 Benzo(b)fluoranthene	252	14.001	14.001	(0.960)	5101	0.10000	0.094
66 Benzo(k)fluoranthene	252	14.044	14.044	(0.963)	6027	0.10000	0.10
67 Benzo(a)pyrene	252	14.500	14.500	(0.994)	4770	0.10000	0.097
* 84 Perylene-d12	264	14.586	14.586	(1.000)	36531	1.00000	(M)
68 Indeno(1,2,3-cd)pyrene	276	16.386	16.386	(1.123)	4499	0.10000	0.11
69 Dibenzo(a,h)anthracene	278	16.437	16.437	(1.127)	3728	0.10000	0.092
70 Benzo(g,h,i)perylene	276	16.842	16.842	(1.155)	3596	0.10000	0.074(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: h105584.d

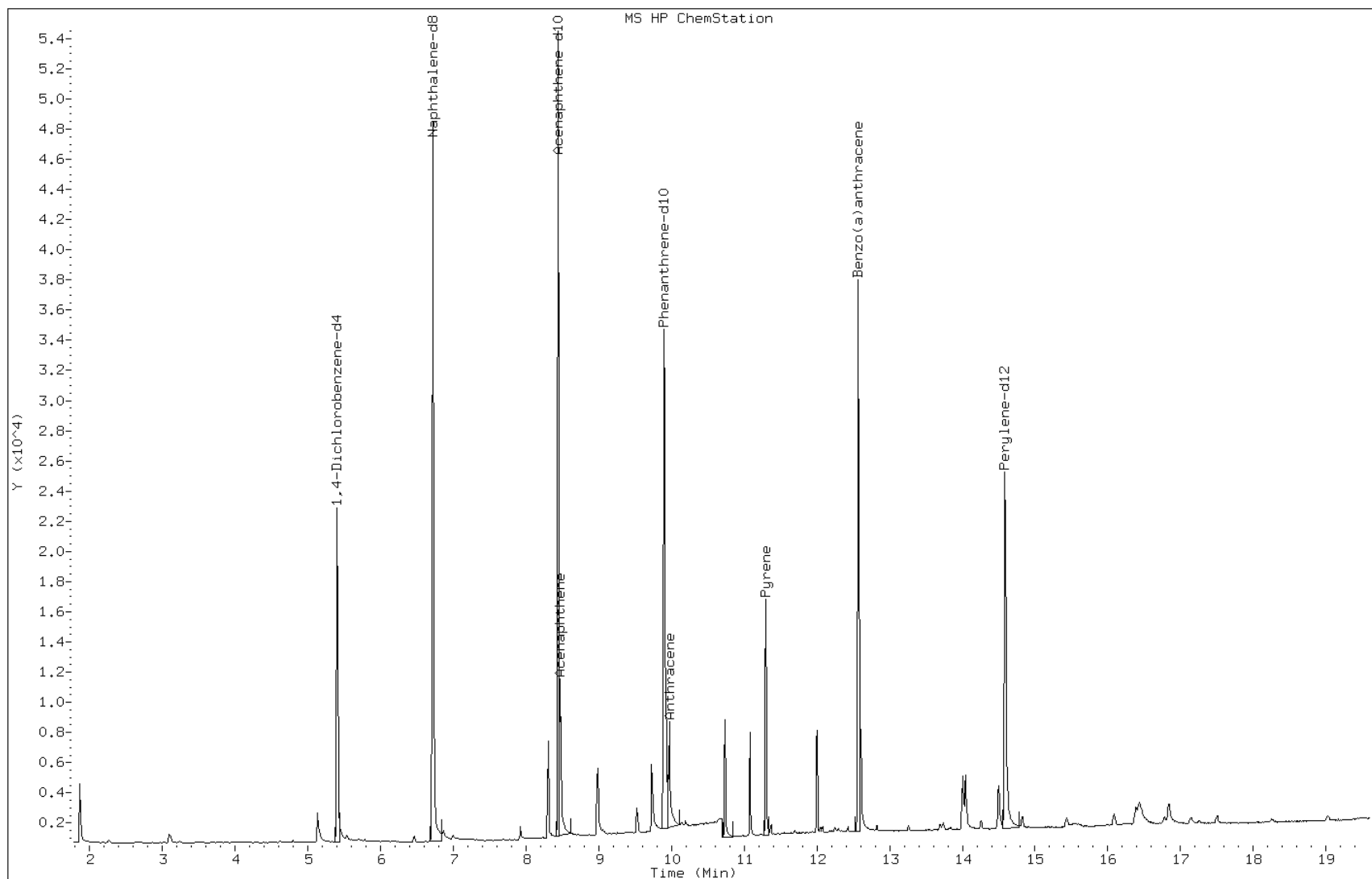
Date: 21-NOV-2012 23:23

Client ID:

Instrument: BNAMS9.i

Sample Info: CCVIS-1764505

Operator: BNAMS 4

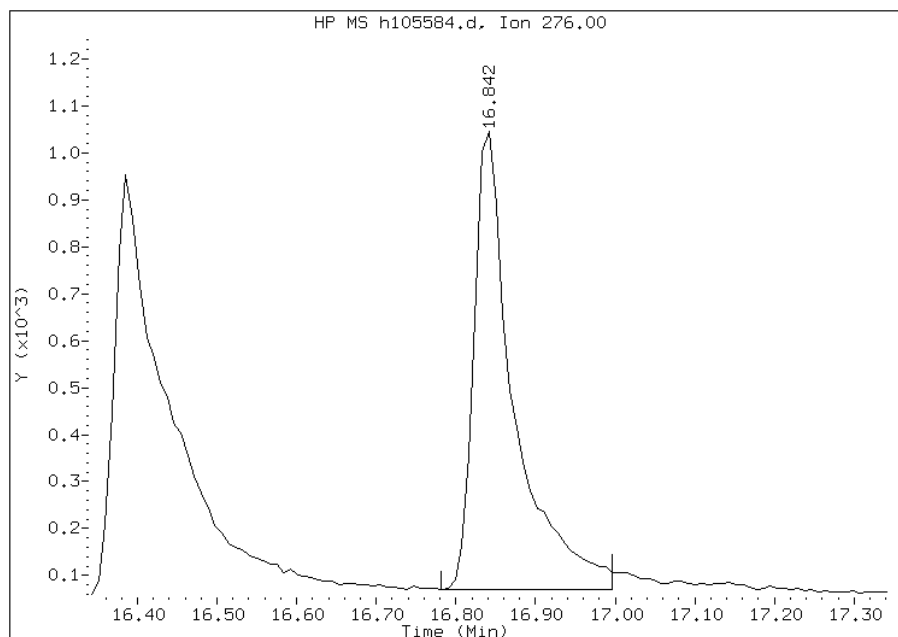


Manual Integration Report

Data File: h105584.d
Inj. Date and Time: 21-NOV-2012 23:23
Instrument ID: BNAMS9.i
Client ID:
Compound: 70 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 11/27/2012

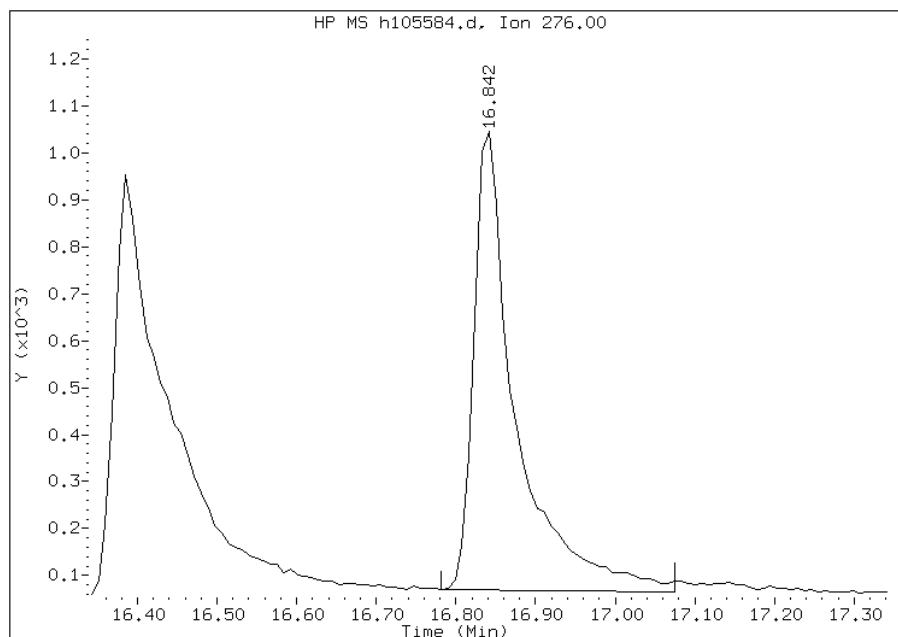
Processing Integration Results

RT: 16.84
Response: 3472
Amount: 0
Conc: 0



Manual Integration Results

RT: 16.84
Response: 3596
Amount: 0
Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104965.d
 Report Date: 22-Oct-2012 07:08

TestAmerica

Data file : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104965.d
 Lab Smp Id: DFTPP-1653831
 Inj Date : 22-OCT-2012 06:48
 Operator : BNA2
 Smp Info : DFTPP-1653831
 Misc Info : bna-4687
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/BNADFTPP.m
 Meth Date : 22-Oct-2012 07:07 wahied
 Cal Date :
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: BNAMS9.i
 Quant Type: ESTD
 Cal File:
 QC Sample: DFTPP
 Compound Sublist: all.sub
 Sample Matrix: None

CONCENTRATIONS									
					ON-COL	FINAL			
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
1 dftpp					CAS #:				
6.301	6.300	0.001	198	22661			0.00- 100.00	100.00	
6.301	6.300	0.001	51	12556			30.00- 60.00	55.41	
6.301	6.300	0.001	68	0			0.00- 2.00	0.00	
6.301	6.300	0.001	69	11362			0.00- 0.00	50.14	
6.301	6.300	0.001	70	0			0.00- 2.00	0.00	
6.301	6.300	0.001	127	12216			40.00- 60.00	53.91	
6.301	6.300	0.001	197	0			0.00- 1.00	0.00	
6.301	6.300	0.001	199	1484			5.00- 9.00	6.55	
6.301	6.300	0.001	275	4982			10.00- 30.00	21.98	
6.301	6.300	0.001	365	647			1.00- 0.00	2.86	
6.301	6.300	0.001	441	2527			0.01- 100.00	85.66	
6.301	6.300	0.001	442	16899			40.00- 110.00	74.57	
6.301	6.300	0.001	443	2950			17.00- 23.00	17.46	

Data File: h104965.d

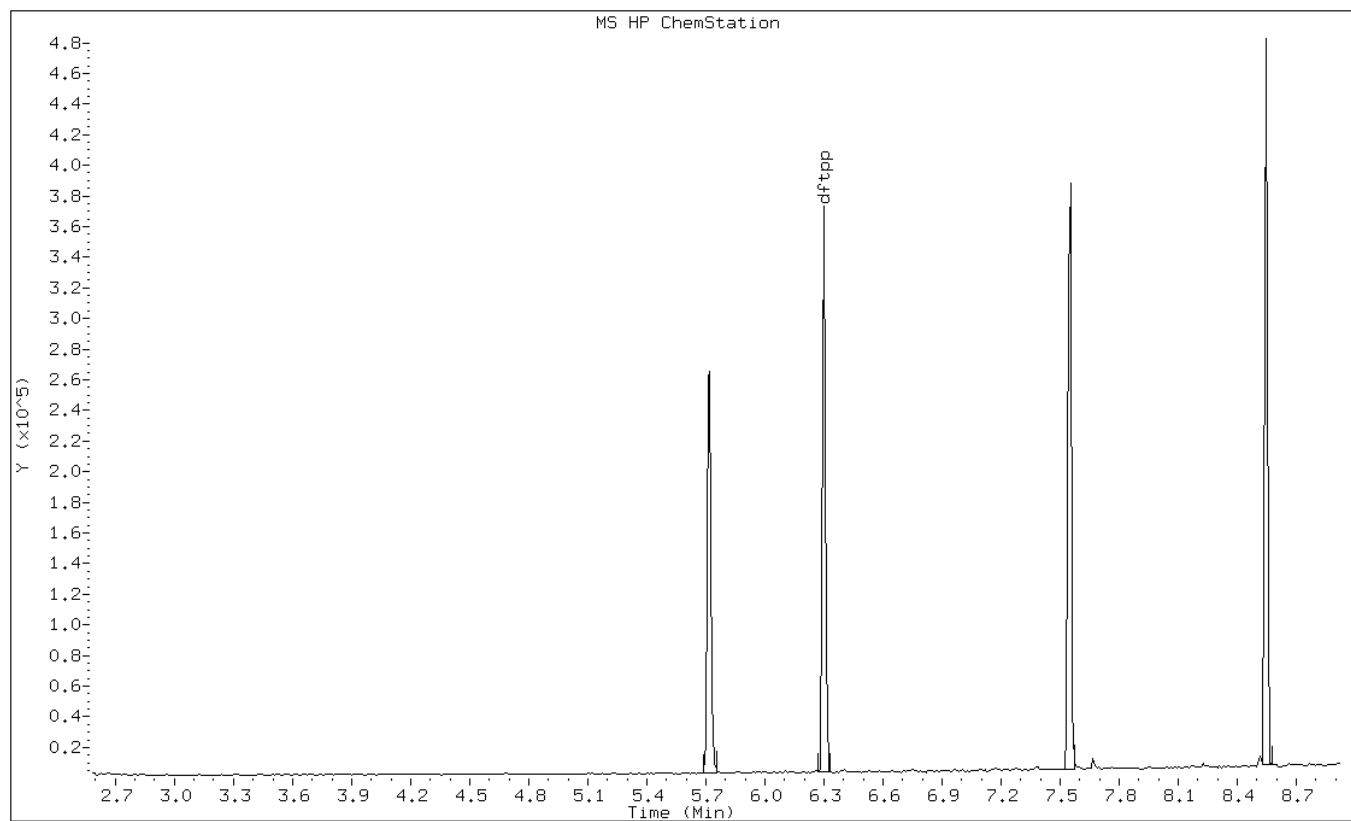
Date: 22-OCT-2012 06:48

Client ID:

Instrument: BNAMS9.i

Sample Info: DFTPP-1653831

Operator: BNA2



Data File: h104965.d

Date: 22-OCT-2012 06:48

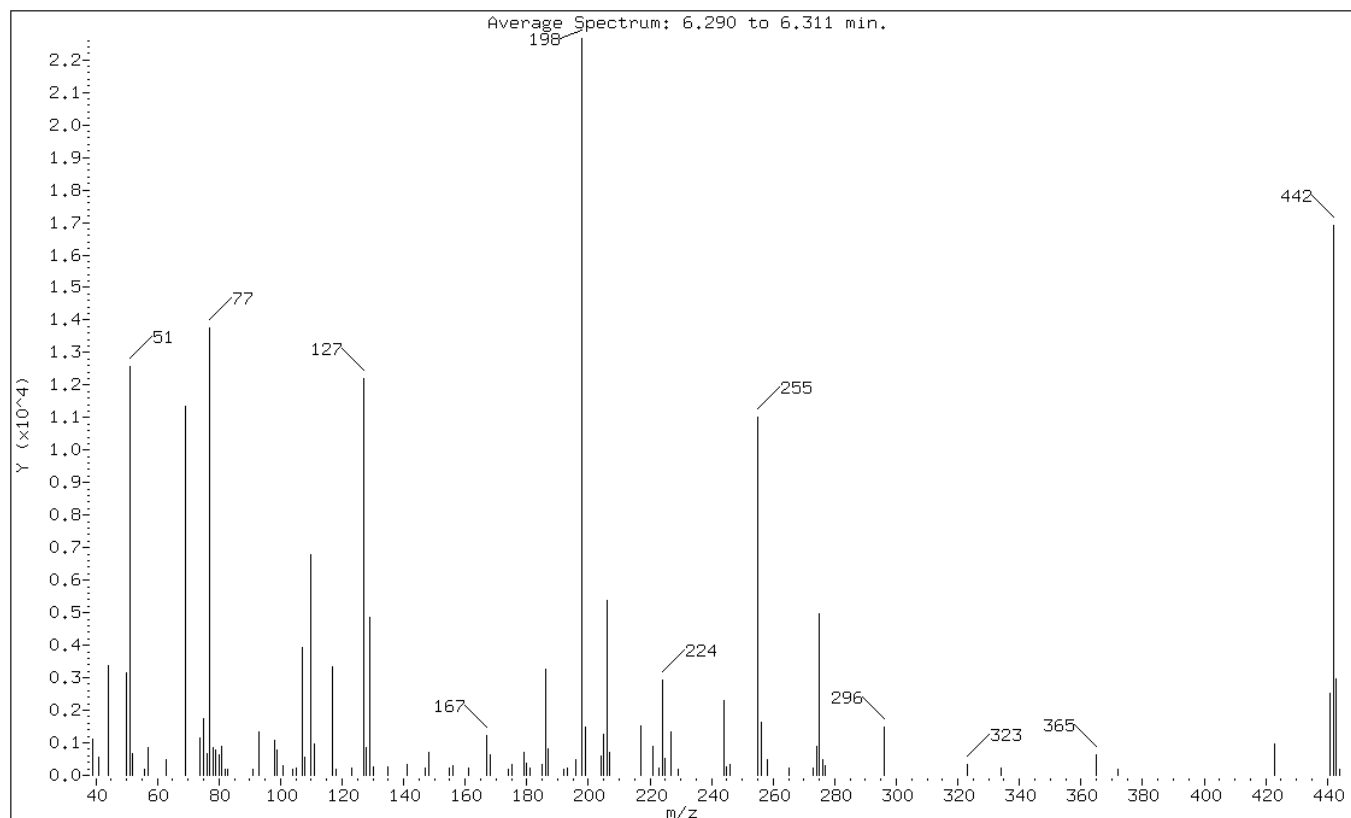
Client ID:

Instrument: BNAMS9.i

Sample Info: DFTPP-1653831

Operator: BNA2

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	55.41
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	50.14
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	53.91
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.55
275	10.00 - 30.00% of mass 198	21.98
365	Greater than 1.00% of mass 198	2.86
441	0.01 - 100.00% of mass 443	11.15 (85.66)
442	40.00 - 110.00% of mass 198	74.57
443	17.00 - 23.00% of mass 442	13.02 (17.46)

Data File: h104965.d

Date: 22-OCT-2012 06:48

Client ID:

Instrument: BNAMS9.i

Sample Info: DFTPP-1653831

Operator: BNA2

Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104965.d

Spectrum: Average Spectrum: 6.290 to 6.311 min.

Location of Maximum: 198.00

Number of points: 93

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1095	101.00	298	175.00	335	245.00	258
41.00	571	104.00	183	179.00	692	246.00	331
44.00	3375	105.00	211	180.00	377	255.00	11018
50.00	3140	107.00	3938	181.00	222	256.00	1643
51.00	12556	108.00	558	185.00	350	258.00	468
52.00	656	110.00	6804	186.00	3245	265.00	221
56.00	200	111.00	962	187.00	828	273.00	241
57.00	870	117.00	3350	192.00	187	274.00	898
63.00	477	118.00	185	193.00	211	275.00	4982
69.00	11362	123.00	241	196.00	482	276.00	494
74.00	1165	127.00	12216	198.00	22656	277.00	295
75.00	1728	128.00	857	199.00	1484	296.00	1471
76.00	669	129.00	4840	204.00	591	323.00	316
77.00	13751	130.00	255	205.00	1265	334.00	208
78.00	839	135.00	252	206.00	5374	365.00	647
79.00	774	141.00	351	207.00	703	372.00	181
80.00	647	147.00	212	217.00	1527	423.00	977
81.00	873	148.00	689	221.00	884	441.00	2527
82.00	170	155.00	207	223.00	239	442.00	16896
83.00	182	156.00	298	224.00	2932	443.00	2950
91.00	177	161.00	214	225.00	535	444.00	201
93.00	1321	167.00	1219	227.00	1321		
98.00	1084	168.00	648	229.00	192		
99.00	787	174.00	175	244.00	2308		

Data File: /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/h105583.d
Report Date: 27-Nov-2012 09:02

TestAmerica

Data file : /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/h105583.d
Lab Smp Id: DFTPP-1653831
Inj Date : 21-NOV-2012 23:01
Operator : BNAMS3
Smp Info : DFTPP-1653831
Misc Info :
Comment :
Method : /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/BNADFTPP.m
Meth Date : 06-Nov-2012 09:42 czhao
Cal Date :
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: hpd1
Inst ID: BNAMS9.i
Quant Type: ESTD
Cal File:
QC Sample: DFTPP
Compound Sublist: all.sub
Sample Matrix: None

					CONCENTRATIONS				
					ON-COL	FINAL			
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
1 dftpp					CAS #:				
5.990	6.130	-0.140	198	12517			0.00- 100.00	93.80	
5.990	6.130	-0.140	51	6333			30.00- 60.00	50.60	
5.990	6.130	-0.140	68	0			0.00- 2.00	0.00	
5.990	6.130	-0.140	69	5911			0.00- 0.00	47.22	
5.990	6.130	-0.140	70	0			0.00- 2.00	0.00	
5.990	6.130	-0.140	127	6870			40.00- 60.00	54.89	
5.990	6.130	-0.140	197	0			0.00- 1.00	0.00	
5.990	6.130	-0.140	199	826			5.00- 9.00	6.60	
5.990	6.130	-0.140	275	3427			10.00- 30.00	27.38	
5.990	6.130	-0.140	365	516			1.00- 0.00	4.12	
5.990	6.130	-0.140	441	1983			0.01- 100.00	79.73	
5.990	6.130	-0.140	442	13344			40.00- 110.00	106.61	
5.990	6.130	-0.140	443	2487			17.00- 23.00	18.64	

Data File: h105583.d

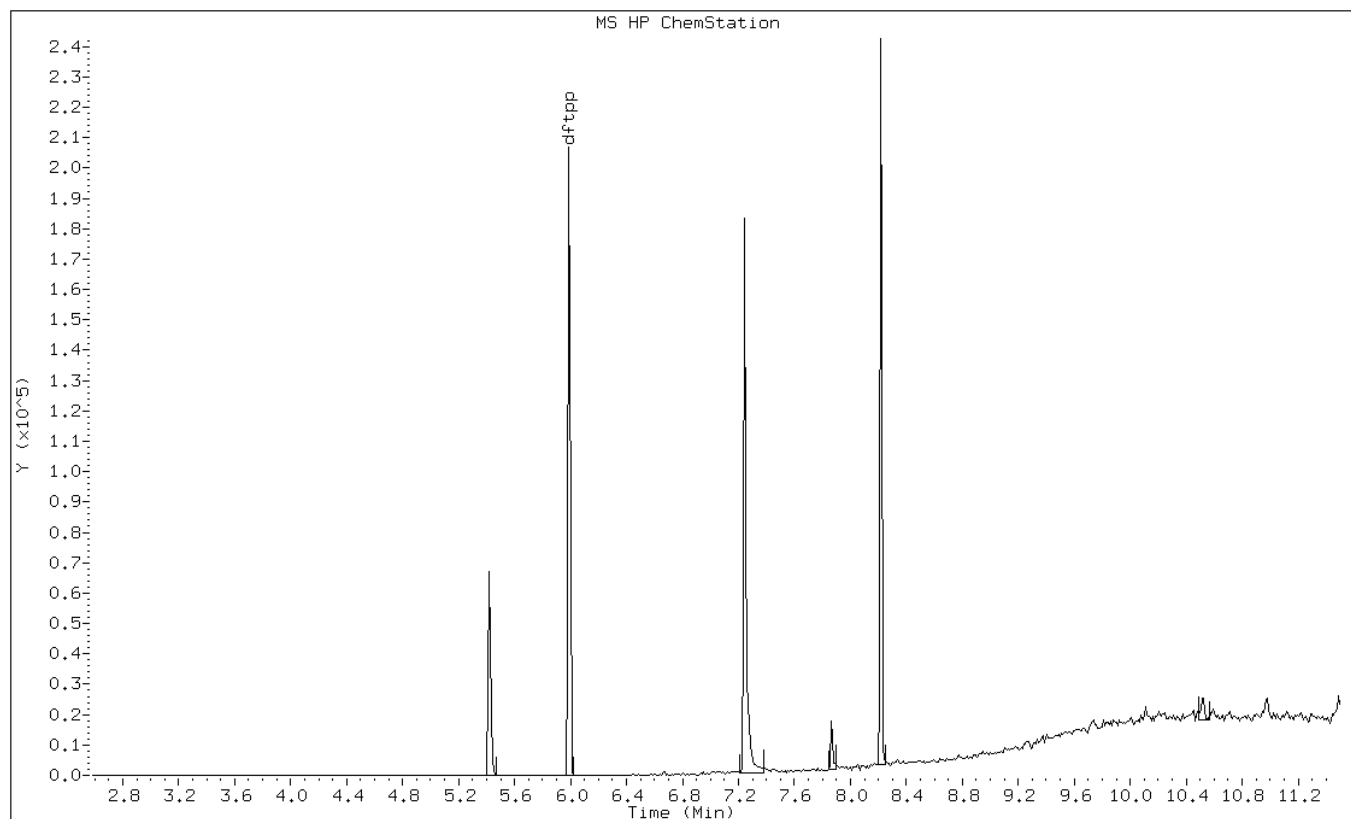
Date: 21-NOV-2012 23:01

Client ID:

Instrument: BNAMS9.i

Sample Info: DFTPP-1653831

Operator: BNAMS3



Data File: h105583.d

Date: 21-NOV-2012 23:01

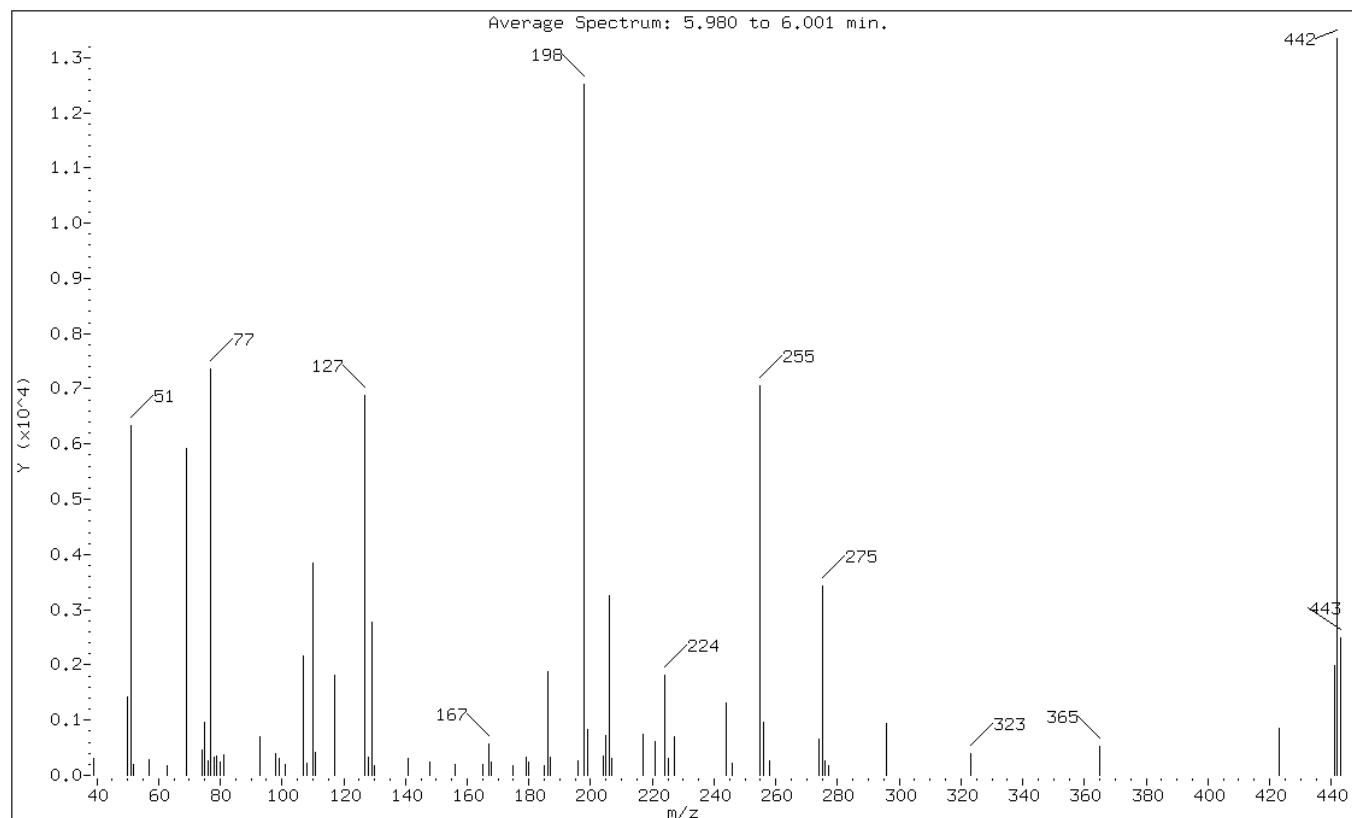
Client ID:

Instrument: BNAMS9.i

Sample Info: DFTPP-1653831

Operator: BNAMS3

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	50.60
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	47.22
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	54.89
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.60
275	10.00 - 30.00% of mass 198	27.38
365	Greater than 1.00% of mass 198	4.12
441	0.01 - 100.00% of mass 443	15.84 (79.73)
442	40.00 - 110.00% of mass 198	106.61
443	17.00 - 23.00% of mass 442	19.87 (18.64)

Data File: h105583.d

Date: 21-NOV-2012 23:01

Client ID:

Instrument: BNAMS9.i

Sample Info: DFTPP-1653831

Operator: BNAMS3

Data File: /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/h105583.d
Spectrum: Average Spectrum: 5.980 to 6.001 min.
Location of Maximum: 442.00
Number of points: 68

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	305	101.00	199	180.00	234	255.00	7063
50.00	1429	107.00	2152	185.00	181	256.00	951
51.00	6333	108.00	226	186.00	1878	258.00	262
52.00	194	110.00	3850	187.00	318	274.00	655
57.00	290	111.00	414	196.00	263	275.00	3427
63.00	185	117.00	1818	198.00	12517	276.00	267
69.00	5911	127.00	6870	199.00	826	277.00	172
74.00	452	128.00	324	204.00	339	296.00	931
75.00	959	129.00	2775	205.00	719	323.00	401
76.00	263	130.00	170	206.00	3259	365.00	516
77.00	7356	141.00	302	207.00	301	423.00	856
78.00	330	148.00	234	217.00	737	441.00	1983
79.00	351	156.00	187	221.00	602	442.00	13344
80.00	239	165.00	203	224.00	1804	443.00	2487
81.00	381	167.00	557	225.00	306		
93.00	708	168.00	242	227.00	688		
98.00	389	175.00	183	244.00	1303		
99.00	312	179.00	332	246.00	208		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-136417/1-A
Matrix: Water Lab File ID: h105600.d
Analysis Method: 8270C SIM Date Collected: _____
Extract. Method: 3510C Date Extracted: 11/20/2012 16:11
Sample wt/vol: 1000 (mL) Date Analyzed: 11/22/2012 07:22
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 137127 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-55-3	Benzo[a]anthracene	0.035	U	0.050	0.035
50-32-8	Benzo[a]pyrene	0.048	U	0.050	0.048
205-99-2	Benzo[b]fluoranthene	0.030	U	0.050	0.030
87-86-5	Pentachlorophenol	0.14	U	0.20	0.14
118-74-1	Hexachlorobenzene	0.017	U	0.020	0.017

Data File: /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/h105600.d
 Report Date: 26-Nov-2012 14:56

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/h105600.d
 Lab Smp Id: MB 460-136417/1-A
 Inj Date : 22-NOV-2012 07:22
 Operator : BNAMS 4
 Smp Info : MB 460-136417/1-A
 Misc Info :
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/simpah.m
 Meth Date : 21-Nov-2012 23:54 wahied
 Cal Date : 22-OCT-2012 10:15
 Als bottle: 42
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS9.i
 Quant Type: ISTD
 Cal File: h104972.d
 QC Sample: BLANK
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
* 79 1,4-Dichlorobenzene-d4	152	5.405	5.405	(1.000)	10973	1.00000	
* 80 Naphthalene-d8	136	6.719	6.719	(1.000)	43993	1.00000	
* 82 Acenaphthene-d10	164	8.443	8.443	(1.000)	21784	1.00000	
* 83 Phenanthrene-d10	188	9.895	9.895	(1.000)	37114	1.00000	
* 81 Chrysene-d12	240	12.580	12.572	(1.000)	30829	1.00000	
* 84 Perylene-d12	264	14.595	14.586	(1.000)	21856	1.00000	

Data File: h105600.d

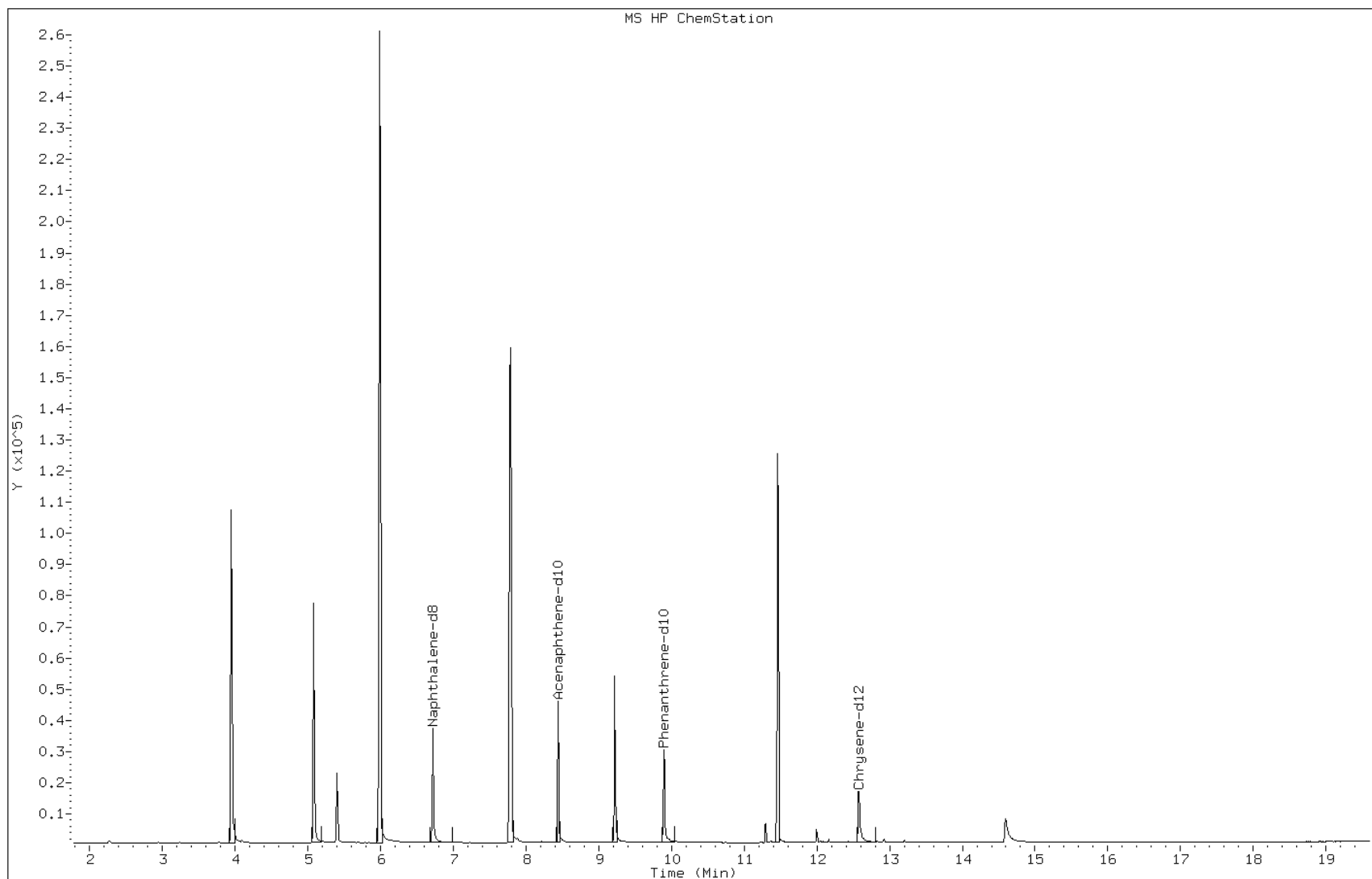
Date: 22-NOV-2012 07:22

Client ID:

Instrument: BNAMS9.i

Sample Info: MB 460-136417/1-A

Operator: BNAMS 4



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: BNAMS9 Start Date: 10/22/2012 06:48Analysis Batch Number: 133132 End Date: 10/22/2012 10:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-133132/1		10/22/2012 06:48	1	h104965.d	Rtx-5MS 0.25 (mm)
ICIS 460-133132/2		10/22/2012 07:10	1	h104966.d	Rtx-5MS 0.25 (mm)
IC 460-133132/3		10/22/2012 08:10	1	h104968.d	Rtx-5MS 0.25 (mm)
IC 460-133132/4		10/22/2012 08:40	1	h104969.d	Rtx-5MS 0.25 (mm)
IC 460-133132/5		10/22/2012 09:10	1	h104970.d	Rtx-5MS 0.25 (mm)
IC 460-133132/6		10/22/2012 09:46	1	h104971.d	Rtx-5MS 0.25 (mm)
IC 460-133132/7		10/22/2012 10:15	1	h104972.d	Rtx-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: BNAMS9 Start Date: 11/21/2012 23:01Analysis Batch Number: 137127 End Date: 11/22/2012 10:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-137127/1		11/21/2012 23:01	1	h105583.d	Rtx-5MS 0.25 (mm)
CCVIS 460-137127/2		11/21/2012 23:23	1	h105584.d	Rtx-5MS 0.25 (mm)
ZZZZZ		11/21/2012 23:57	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/22/2012 00:57	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/22/2012 01:26	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/22/2012 01:55	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/22/2012 02:25	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/22/2012 02:54	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/22/2012 03:24	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/22/2012 03:54	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/22/2012 04:23	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/22/2012 04:53	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/22/2012 05:23	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/22/2012 05:53	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/22/2012 06:22	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/22/2012 06:52	1		Rtx-5MS 0.25 (mm)
MB 460-136417/1-A		11/22/2012 07:22	1	h105600.d	Rtx-5MS 0.25 (mm)
460-47276-1	WG-17338-111612-MW35- CG-268	11/22/2012 07:52	1	h105601.d	Rtx-5MS 0.25 (mm)
460-47276-2	WG-17338-111612-MW37- CG-269	11/22/2012 08:22	1	h105602.d	Rtx-5MS 0.25 (mm)
ZZZZZ		11/22/2012 08:52	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/22/2012 09:21	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/22/2012 09:52	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/22/2012 10:21	1		Rtx-5MS 0.25 (mm)

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS9.i
Analytical Batch: /chem/BNAMS9.i/SINT/10-22-12/22oct12.b

Date Generated: 10/22/2012
Page 1

Date	Data File	ALS	Sample ID	LPS	EXT DATE	IV/	FW	Dil	Inj Vol	Sublist	LOT	COMMENTS
10/22/12 0648	h104965	1	DFTP-1653831			0	0		1	2.0 all		133132
10/22/12 0710	h104966	2	ICIS-1764505			1000	2		1	1.0 all		P-0.95 B-0.673
10/22/12 0740	h104967	3	IC-1764587			1000	2		1	1.0 all		4702
10/22/12 0810	h104968	4	IC-1764601			1000	2		1	1.0 all		RR 5177
10/22/12 0840	h104969	5	IC-1764602			1000	2		1	1.0 all		5
10/22/12 0910	h104970	6	IC-1764653			1000	2		1	1.0 all		5
10/22/12 0946	h104971	7	IC-1764671			1000	2		1	1.0 all		5
10/22/12 1015	h104972	8	IC-1764587			1000	2		1	1.0 all		5
10/22/12 1045	h104973	9	icv	22oct12		1000	1		1	1.0 all		5

Page 333 of 988

Signed: W. [Signature] Read and Understood by: W. [Signature]
Date: 10/22/12 Date: 10-23-12

11/30/2012

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS9.i
Analytical Batch: /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b

Date Generated: 11/27/2012
Page 1

Date	Data File	ALS	Sample ID	LPS	EXT DATE	IV/	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
11/21/12 2301	h105583	25	DFTPP-1653831			0	0		1	2.0 all		1371127
11/21/12 2323	h105584	26	CCVIS-1764505			1000	2		1	1.0 all		4487 G B-1604 B-2286
11/21/12 2357	h105585	27	460-47103-F-21-A	460-135942	11/16/12	500	1		1	1.0 all		4702 G sim
11/22/12 0027	h105586	28	460-47103-E-22-A	460-135942	11/16/12	500	1		1	1.0 all		PR 2X
11/22/12 0057	h105587	29	460-47103-D-23-A	460-135942	11/16/12	480	1		1	1.0 all		G
11/22/12 0126	h105588	30	460-47103-P-24-A	460-135942	11/16/12	500	1		1	1.0 all		G
11/22/12 0155	h105589	31	460-47103-G-25-A	460-135942	11/16/12	480	1		1	1.0 all		G
11/22/12 0225	h105590	32	MB 460-136187/1-A	460-136187		1000	2		1	1.0 all		G
11/22/12 0254	h105591	33	460-47208-E-2-A	460-136187	11/19/12	980	2		1	1.0 all		G
11/22/12 0324	h105592	34	460-47208-D-3-A	460-136187	11/19/12	900	2		1	1.0 all		G
11/22/12 0354	h105593	35	460-47208-E-4-A	460-136187	11/19/12	900	2		1	1.0 all		G
11/22/12 0423	h105594	36	460-47208-E-5-A	460-136187	11/19/12	970	2		1	1.0 all		G
11/22/12 0453	h105595	37	460-47208-E-6-A	460-136187	11/19/12	980	2		1	1.0 all		G
11/22/12 0523	h105596	38	460-47208-D-8-A	460-136187	11/19/12	1000	2		1	1.0 all		G

11/30/2012

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS9.i

Analytical Batch: /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b

Date Generated: 11/27/2012

Page 2

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
11/22/12 0553	h105597	39	460-47208-D-7-A	460-136187	11/19/12	1000	2	1	1.0	all		✓
11/22/12 0622	h105598	40	460-47208-E-9-A	460-136187	11/19/12	980	2	1	1.0	all		✓
11/22/12 0652	h105599	41	460-47208-E-10-A	460-136187	11/19/12	980	2	1	1.0	all		✓
11/22/12 0722	h105600	42	MB 460-136417/1-A	460-136417		1000	2	1	1.0	all		✓
11/22/12 0752	h105601	43	460-47276-A-1-A	460-136417	11/20/12	960	2	1	1.0	all		✓
11/22/12 0822	h105602	44	460-47276-G-2-A	460-136417	11/20/12	970	2	1	1.0	all		✓
11/22/12 0852	h105603	45	MB 460-136340/1-A	460-136340		1000	2	1	1.0	all		✓
11/22/12 0921	h105604	46	460-47212-C-2-A	460-136340	11/20/12	980	2	1	1.0	all		✓
11/22/12 0952	h105605	47	460-47212-E-3-A	460-136340	11/20/12	990	2	1	1.0	all		✓
11/22/12 1021	h105606	48	460-47212-E-4-A	460-136340	11/20/12	960	2	1	1.0	all		✓
11/22/12 1052	h105607	49	460-47212-D-5-A	460-136340	11/20/12	990	2	1	1.0	all		✓
11/22/12 1121	h105608	50	460-47212-E-6-A	460-136340	11/20/12	980	2	1	1.0	all		3rd PR
11/22/12 1152	h105609	51	460-47212-D-7-A	460-136340	11/20/12	990	2	1	1.0	all		Out of clock
11/22/12 1221	h105610	52	460-47212-E-8-A	460-136340	11/20/12	920	2	1	1.0	all		✓

11/30/2012

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: ENAMS9.i
Analytical Batch: /chem/ENAMS9.i/SIMT/10-22-12/21nov12a.b

Date Generated: 11/27/2012
Page 3

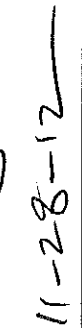
Date	Data File	ALS	Sample ID	LPS	EXT DATE	IV/	FV	Dil	Inj	Sublist	LOT	COMMENTS
11/22/12 1251	h105611	53	460-47212-E-9-A	460-136340	11/20/12	990	2	1	1.0	all		RR
11/22/12 1321	h105612	54	460-47287-F-1-A	460-136340	11/20/12	990	2	1	1.0	all		↓
11/22/12 1351	h105613	55	460-47287-G-2-A	460-136340	11/20/12	990	2	1	1.0	all		

Page 336 of 985

Signed:



Read and Understood by:



Date:

11/27/12

11-28-12

Date:

11/30/2012

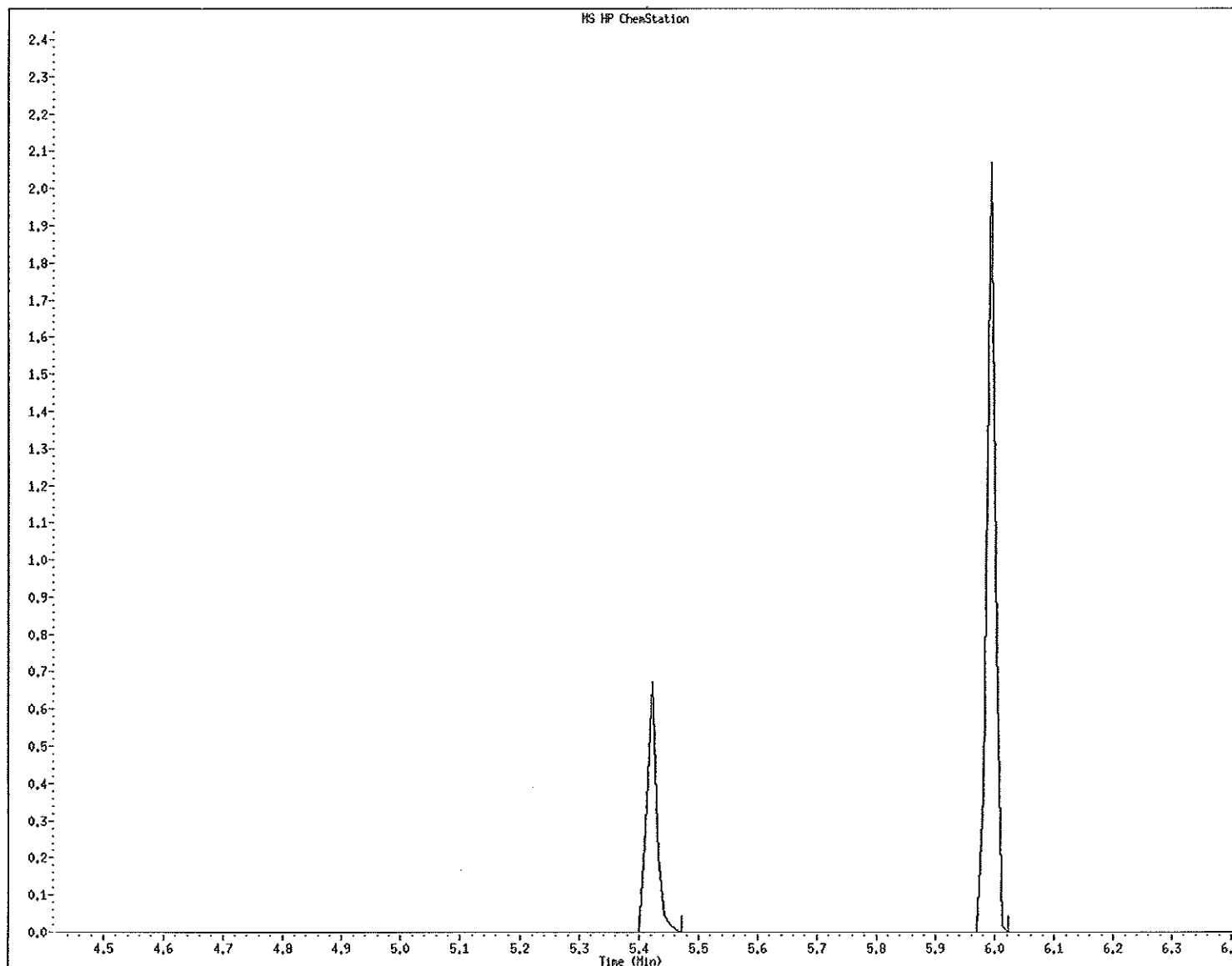
SEMI-VOLATILE TAILING ANALYSIS

Datafile Analyzed: /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/h105583.d

Method Used: /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/TAIL.m

Injection Date: 21-NOV-2012 23:01

Report Date: 11/27/2012 09:01



Tailing Analysis on Pentachlorophenol

Tailing factor for Pentachlorophenol OK

Tail Factor = 1.604 Maximum Allowed = 3.0

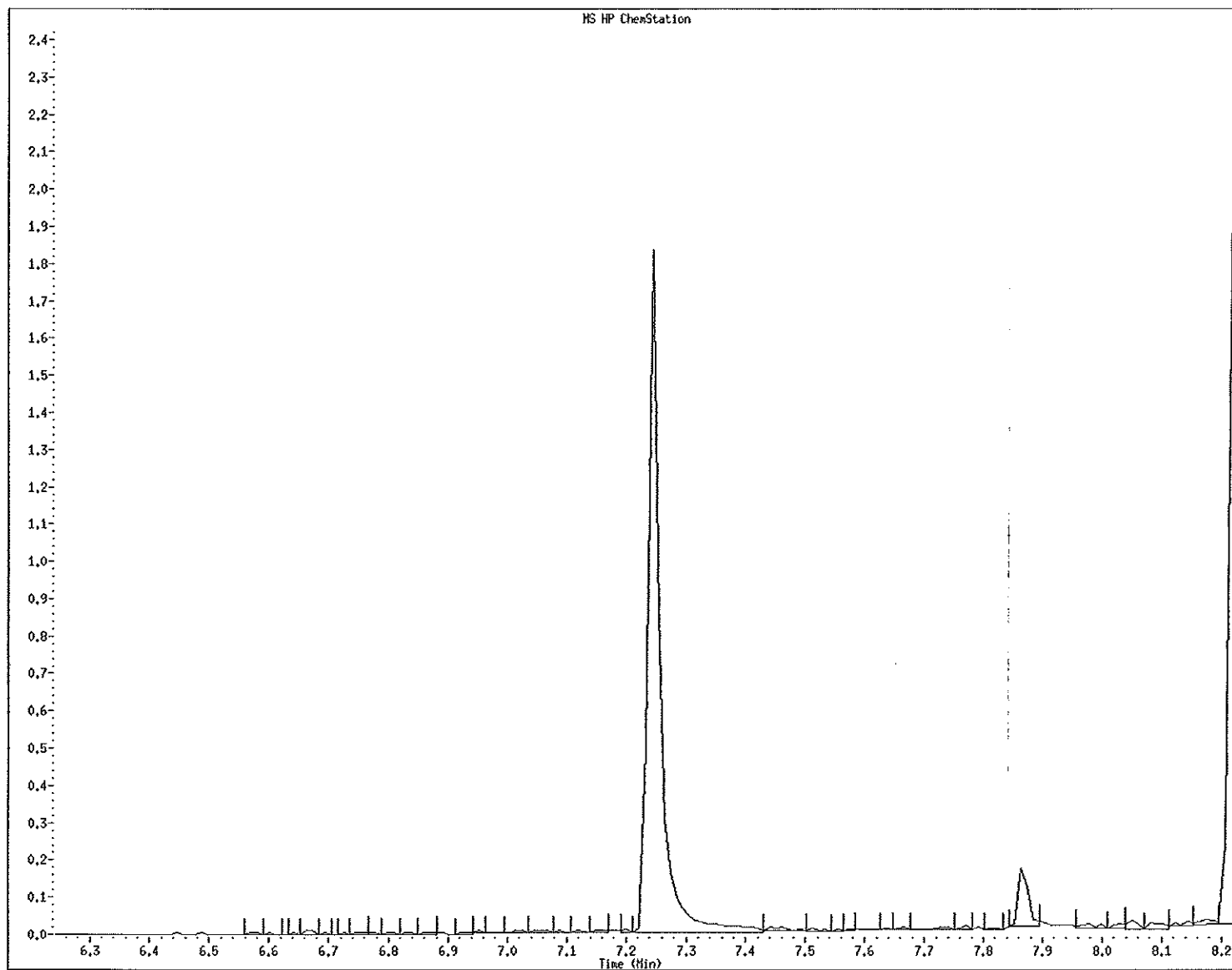
SEMI-VOLATILE TAILING ANALYSIS

Datafile Analyzed: /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/h105583.d

Method Used: /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/TAIL.m

Injection Date: 21-NOV-2012 23:01

Report Date: 11/27/2012 09:01



Tailing Analysis on Benzidine

Tailing factor for Benzidine OK

Tail Factor = 2.286 Maximum Allowed = 3.0

Method : /chem/BNAMS9.i/SIMT/10-22-12/21nov12a.b/BNADFTPP.m
Sample Info : DFTPP-1653831
Lab ID : DFTPP-1653831 Inst ID : BNAMS9.i
Inj Date : 21-NOV-2012 23:01 Dil Factor : 1
Operator : BNAMS3 Sample Matrix : NONE
Cpnd Sublist: all

Endrin/DDT Breakdown Report

Compounds	Breakdown
=====	=====
DDT	0.00%
Endrin	0.00%

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Batch Number: 136417 Batch Start Date: 11/20/12 16:11 Batch Analyst: Rana, Kalpesh VBatch Method: 3510C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	OP625/82SU 00034
MB 460-136417/1		3510C, 8270C SIM		7	1000 mL	2 mL	<2	>12	1 mL
460-47276-A-1	WG-17338-111612- MW35-CG-268	3510C, 8270C SIM	T	6	960 mL	2 mL	<2	>12	1 mL
460-47276-G-2	WG-17338-111612- MW37-CG-269	3510C, 8270C SIM	T	6	970 mL	2 mL	<2	>12	1 mL

Batch Notes	
Acid used for pH adjustment	H2SO4
Acid used for pH adjust Lot #	LO9049
Base used for pH adjustment	NAOH
Base used for pH adjust Lot #	op 433
Batch Comment	8270 _ Prep
Person's name who did the concentration	KR
Final Concentrator Volume	2 mL
N-evap #	36378
N-evap temperature	37 C Degrees C
Na2SO4 Lot Number	225301
Prep Solvent Lot #	22982
Prep Solvent Name	Mec12
Prep Solvent Volume Used	360ml mL
Person's name who did the prep	KR
Uncorrected N-evap Temperature	37 C Degrees C

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-47276-1

SDG No.: _____

Project: 17338-TO4-2012, RACER, GM Wilmington

Client Sample ID
WG-17338-111612-MW37-CG-269

Lab Sample ID
460-47276-2

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WG-17338-111612-MW37-CG-269

Lab Sample ID: 460-47276-2

Lab Name: TestAmerica Edison

Job No.: 460-47276-1

SDG ID.:

Matrix: Water

Date Sampled: 11/16/2012 13:30

Reporting Basis: WET

Date Received: 11/16/2012 16:36

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	0.82	5.0	0.82	ug/L	U		1	6010B
7440-36-0	Antimony	7.4	10.0	7.4	ug/L	U		1	6010B
7440-41-7	Beryllium	0.78	2.0	0.78	ug/L	U		1	6010B
7440-28-0	Thallium	5.2	10.0	5.2	ug/L	U		1	6010B
7440-02-0	Nickel	12.5	40.0	5.0	ug/L	J		1	6010B
7440-22-4	Silver	1.3	10.0	1.3	ug/L	U		1	6010B
7440-38-2	Arsenic	3.7	5.0	3.7	ug/L	U		1	6010B
7440-50-8	Copper	7.8	25.0	7.8	ug/L	U		1	6010B
7439-92-1	Lead	4.8	5.0	4.0	ug/L	J		1	6010B
7440-66-6	Zinc	22.7	30.0	5.8	ug/L	J		1	6010B
7782-49-2	Selenium	5.8	10.0	5.8	ug/L	U		1	6010B
7440-47-3	Chromium	4.5	10.0	4.5	ug/L	U		1	6010B
7440-23-5	Sodium	74300	5000	821	ug/L			1	6010B
7440-09-7	Potassium	5800	5000	525	ug/L			1	6010B
7440-39-3	Barium	901	200	5.9	ug/L			1	6010B
7440-70-2	Calcium	70400	5000	305	ug/L			1	6010B
7439-89-6	Iron	926	150	73.6	ug/L			1	6010B
7440-62-2	Vanadium	4.0	50.0	4.0	ug/L	U		1	6010B
7439-95-4	Magnesium	36000	5000	321	ug/L			1	6010B
7429-90-5	Aluminum	782	200	72.1	ug/L			1	6010B
7439-96-5	Manganese	1750	15.0	4.3	ug/L			1	6010B
7440-48-4	Cobalt	68.8	50.0	4.3	ug/L			1	6010B
7439-97-6	Mercury	0.16	0.20	0.16	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: WG-17338-111612-MW37-CG-269

Lab Sample ID: 460-47276-2

Lab Name: TestAmerica Edison

Job No.: 460-47276-1

SDG ID.:

Matrix: Water

Date Sampled: 11/16/2012 13:30

Reporting Basis: WET

Date Received: 11/16/2012 16:36

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	0.82	5.0	0.82	ug/L	U		1	6010B
7440-36-0	Antimony	7.4	10.0	7.4	ug/L	U		1	6010B
7440-41-7	Beryllium	0.78	2.0	0.78	ug/L	U		1	6010B
7440-28-0	Thallium	5.2	10.0	5.2	ug/L	U		1	6010B
7440-02-0	Nickel	11.6	40.0	5.0	ug/L	J		1	6010B
7440-22-4	Silver	1.3	10.0	1.3	ug/L	U		1	6010B
7440-38-2	Arsenic	5.3	5.0	3.7	ug/L			1	6010B
7440-50-8	Copper	7.8	25.0	7.8	ug/L	U		1	6010B
7439-92-1	Lead	4.0	5.0	4.0	ug/L	U		1	6010B
7440-66-6	Zinc	15.3	30.0	5.8	ug/L	J		1	6010B
7782-49-2	Selenium	5.8	10.0	5.8	ug/L	U		1	6010B
7440-47-3	Chromium	4.5	10.0	4.5	ug/L	U		1	6010B
7440-23-5	Sodium	66300	5000	821	ug/L			1	6010B
7440-09-7	Potassium	5140	5000	525	ug/L			1	6010B
7440-39-3	Barium	769	200	5.9	ug/L			1	6010B
7440-70-2	Calcium	66900	5000	305	ug/L			1	6010B
7439-89-6	Iron	124	150	73.6	ug/L	J		1	6010B
7440-62-2	Vanadium	4.0	50.0	4.0	ug/L	U		1	6010B
7439-95-4	Magnesium	31400	5000	321	ug/L			1	6010B
7429-90-5	Aluminum	72.1	200	72.1	ug/L	U		1	6010B
7439-96-5	Manganese	1640	15.0	4.3	ug/L			1	6010B
7440-48-4	Cobalt	62.6	50.0	4.3	ug/L			1	6010B
7439-97-6	Mercury	0.16	0.20	0.16	ug/L	U		1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00064 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00064

Analyte	ICV 460-136514/7 11/20/2012 18:23				CCV 460-136514/91 11/20/2012 23:36				CCV 460-136514/103 11/21/2012 00:26			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	124400		125000	100	124200		125000	99	124400		125000	100
Antimony	985.4		1000	99	989.6		1000	99	983.3		1000	98
Arsenic	2471		2500	99	2477		2500	99	2461		2500	98
Barium	9999		10000	100	10100		10000	101	10030		10000	100
Beryllium	1006		1000	101	1001		1000	100	992.8		1000	99
Cadmium	1251		1250	100	1258		1250	101	1252		1250	100
Calcium	125800		125000	101	126800		125000	101	125600		125000	100
Chromium	5005		5000	100	4967		5000	99	5009		5000	100
Cobalt	2502		2500	100	2507		2500	100	2499		2500	100
Copper	12450		12500	100	12350		12500	99	12370		12500	99
Iron	100600		100000	101	99820		100000	100	100600		100000	101
Lead	7527		7500	100	7571		7500	101	7529		7500	100
Magnesium	124700		125000	100	122900		125000	98	124500		125000	100
Manganese	5033		5000	101	4986		5000	100	5011		5000	100
Nickel	2507		2500	100	2509		2500	100	2506		2500	100
Potassium	49720		50000	99	50060		50000	100	49890		50000	100
Selenium	2488		2500	100	2487		2500	99	2489		2500	100
Silver	1237		1250	99	1236		1250	99	1234		1250	99
Sodium	124900		125000	100	124600		125000	100	125300		125000	100
Thallium	2527		2500	101	2524		2500	101	2520		2500	101
Vanadium	2499		2500	100	2484		2500	99	2495		2500	100
Zinc	2512		2500	100	2515		2500	101	2506		2500	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00064 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00064

Analyte	CCV 460-136514/115 11/21/2012 01:17											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	124400		125000	100								
Antimony	988.7		1000	99								
Arsenic	2452		2500	98								
Barium	10030		10000	100								
Beryllium	996.5		1000	100								
Cadmium	1249		1250	100								
Calcium	125500		125000	100								
Chromium	5017		5000	100								
Cobalt	2499		2500	100								
Copper	12460		12500	100								
Iron	100500		100000	101								
Lead	7524		7500	100								
Magnesium	124500		125000	100								
Manganese	5020		5000	100								
Nickel	2505		2500	100								
Potassium	49860		50000	100								
Selenium	2475		2500	99								
Silver	1237		1250	99								
Sodium	125700		125000	101								
Thallium	2511		2500	100								
Vanadium	2497		2500	100								
Zinc	2498		2500	100								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00064 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00064

Analyte	ICV 460-136648/7 11/21/2012 18:03				CCV 460-136648/18 11/21/2012 18:43							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Manganese	5023		5000	100	4995		5000	100				
Thallium	2529		2500	101	2512		2500	100				
<i>Aluminum</i>	125000		125000	100	124100		125000	99				
<i>Antimony</i>	989.3		1000	99	984.4		1000	98				
<i>Arsenic</i>	2474		2500	99	2462		2500	98				
<i>Barium</i>	10080		10000	101	10050		10000	101				
<i>Beryllium</i>	1005		1000	101	985.2		1000	99				
<i>Cadmium</i>	1255		1250	100	1254		1250	100				
<i>Calcium</i>	126100		125000	101	123800		125000	99				
<i>Chromium</i>	5024		5000	100	5031		5000	101				
<i>Cobalt</i>	2511		2500	100	2502		2500	100				
<i>Copper</i>	12460		12500	100	12340		12500	99				
<i>Iron</i>	100600		100000	101	100800		100000	101				
<i>Lead</i>	7551		7500	101	7531		7500	100				
<i>Magnesium</i>	124200		125000	99	124500		125000	100				
<i>Nickel</i>	2512		2500	100	2507		2500	100				
<i>Potassium</i>	49920		50000	100	49100		50000	98				
<i>Selenium</i>	2467		2500	99	2474		2500	99				
<i>Silver</i>	1235		1250	99	1232		1250	99				
<i>Sodium</i>	125200		125000	100	124100		125000	99				
<i>Vanadium</i>	2505		2500	100	2509		2500	100				
<i>Zinc</i>	2513		2500	101	2503		2500	100				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00064 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00064

Analyte	ICV 460-137173/7 11/27/2012 15:28				CCV 460-137173/19 11/27/2012 16:12				CCV 460-137173/31 11/27/2012 16:56			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	119800		125000	96	119000		125000	95	119000		125000	95
Antimony	942.0		1000	94	936.9		1000	94	933.3		1000	93
Arsenic	2357		2500	94	2329		2500	93	2323		2500	93
Barium	9548		10000	95	9383		10000	94	9421		10000	94
Beryllium	961.9		1000	96	954.0		1000	95	952.5		1000	95
Cadmium	1195		1250	96	1177		1250	94	1177		1250	94
Calcium	123800		125000	99	122100		125000	98	122200		125000	98
Chromium	4768		5000	95	4788		5000	96	4760		5000	95
Cobalt	2383		2500	95	2357		2500	94	2359		2500	94
Copper	11970		12500	96	11860		12500	95	11840		12500	95
Iron	95670		100000	96	95780		100000	96	95070		100000	95
Lead	7271		7500	97	7166		7500	96	7159		7500	95
Magnesium	117500		125000	94	118600		125000	95	117300		125000	94
Manganese	4820		5000	96	4830		5000	97	4804		5000	96
Nickel	2397		2500	96	2374		2500	95	2371		2500	95
Potassium	47640		50000	95	47330		50000	95	47390		50000	95
Selenium	2331		2500	93	2315		2500	93	2310		2500	92
Silver	1177		1250	94	1172		1250	94	1167		1250	93
Sodium	120400		125000	96	119300		125000	95	119400		125000	96
Thallium	2424		2500	97	2386		2500	95	2390		2500	96
Vanadium	2361		2500	94	2362		2500	94	2350		2500	94
Zinc	2367		2500	95	2333		2500	93	2335		2500	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 Edison Job No.: 460-47276-1

SDG No.: _____

ICV Source: ME_DCAL-IN_00981 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_00981

Analyte	ICV 460-136356/31-A 11/20/2012 13:19				CCV 460-136356/33-A 11/20/2012 13:42				CCV 460-136356/33-A 11/20/2012 14:02			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.91		5.00	98	4.97		5.00	99	4.90		5.00	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

ICV Source: ME_DCAL-IN_00981 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_00981

Analyte	CCV 460-136356/33-A 11/20/2012 14:23											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.87		5.00	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 Edison Job No.: 460-47276-1

SDG No.: _____

ICV Source: ME_DCAL-IN_00986 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_00986

Analyte	ICV 460-136928/20-A 11/26/2012 13:50				CCV 460-136928/22-A 11/26/2012 14:59				CCV 460-136928/22-A 11/26/2012 15:20			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.86		5.00	97	5.01		5.00	100	4.98		5.00	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-136514/8 11/20/2012 18:26		CCB 460-136514/92 11/20/2012 23:40		CCB 460-136514/104 11/21/2012 00:30		CCB 460-136514/116 11/21/2012 01:21	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	72.1	U	72.1	U	72.1	U	72.1	U
Antimony	10.0	7.4	U	7.4	U	7.4	U	7.4	U
Arsenic	5.0	3.7	U	3.7	U	3.7	U	3.7	U
Barium	200	5.9	U	5.9	U	5.9	U	5.9	U
Beryllium	2.0	0.78	U	0.78	U	0.78	U	0.78	U
Cadmium	5.0	0.82	U	0.82	U	0.82	U	0.82	U
Calcium	5000	305	U	305	U	305	U	305	U
Chromium	10.0	4.5	U	4.5	U	4.5	U	4.5	U
Cobalt	50.0	4.3	U	4.3	U	4.3	U	4.3	U
Copper	25.0	7.8	U	7.8	U	7.8	U	7.8	U
Iron	150	73.6	U	73.6	U	73.6	U	73.6	U
Lead	5.0	4.0	U	4.0	U	4.0	U	4.0	U
Magnesium	5000	321	U	321	U	321	U	321	U
Manganese	15.0	4.3	U	4.3	U	4.3	U	4.3	U
Nickel	40.0	5.0	U	5.0	U	5.0	U	5.0	U
Potassium	5000	525	U	525	U	525	U	525	U
Selenium	10.0	5.8	U	5.8	U	5.8	U	5.8	U
Silver	10.0	1.3	U	1.3	U	1.3	U	1.3	U
Sodium	5000	821	U	821	U	821	U	821	U
Thallium	10.0	5.2	U	5.2	U	5.2	U	5.2	U
Vanadium	50.0	4.0	U	4.0	U	4.0	U	4.0	U
Zinc	30.0	5.8	U	5.8	U	5.8	U	5.8	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-136648/8 11/21/2012 18:06		CCB 460-136648/19 11/21/2012 18:47					
		Found	C	Found	C	Found	C	Found	C
Manganese	15.0	4.3	U	4.3	U				
Thallium	10.0	5.2	U	5.2	U				
<i>Aluminum</i>	200	72.1	U	72.1	U				
<i>Antimony</i>	10.0	7.4	U	7.4	U				
<i>Arsenic</i>	5.0	3.7	U	3.7	U				
<i>Barium</i>	200	5.9	U	5.9	U				
<i>Beryllium</i>	2.0	0.78	U	0.78	U				
<i>Cadmium</i>	5.0	0.82	U	0.82	U				
<i>Calcium</i>	5000	305	U	305	U				
<i>Chromium</i>	10.0	4.5	U	4.5	U				
<i>Cobalt</i>	50.0	4.3	U	4.3	U				
<i>Copper</i>	25.0	7.8	U	7.8	U				
<i>Iron</i>	150	73.6	U	73.6	U				
<i>Lead</i>	5.0	4.0	U	4.0	U				
<i>Magnesium</i>	5000	321	U	321	U				
<i>Nickel</i>	40.0	5.0	U	5.0	U				
<i>Potassium</i>	5000	525	U	525	U				
<i>Selenium</i>	10.0	5.8	U	5.8	U				
<i>Silver</i>	10.0	1.3	U	1.3	U				
<i>Sodium</i>	5000	821	U	821	U				
<i>Vanadium</i>	50.0	4.0	U	4.0	U				
<i>Zinc</i>	30.0	5.8	U	5.8	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Concentration Units: ug/L

Analyte	RL	ICB 460-137173/8 11/27/2012 15:31		CCB 460-137173/20 11/27/2012 16:15		CCB 460-137173/32 11/27/2012 16:59			
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	72.1	U	72.1	U	72.1	U		
Antimony	10.0	7.4	U	7.4	U	7.4	U		
Arsenic	5.0	4.10	J	3.7	U	3.7	U		
Barium	200	5.9	U	5.9	U	5.9	U		
Beryllium	2.0	0.78	U	0.78	U	0.78	U		
Cadmium	5.0	0.82	U	0.82	U	0.82	U		
Calcium	5000	305	U	305	U	305	U		
Chromium	10.0	4.5	U	4.5	U	4.5	U		
Cobalt	50.0	4.3	U	4.3	U	4.3	U		
Copper	25.0	7.8	U	7.8	U	7.8	U		
Iron	150	73.6	U	73.6	U	73.6	U		
Lead	5.0	4.0	U	4.0	U	4.0	U		
Magnesium	5000	321	U	321	U	321	U		
Manganese	15.0	4.3	U	4.3	U	4.3	U		
Nickel	40.0	5.0	U	5.0	U	5.0	U		
Potassium	5000	525	U	525	U	525	U		
Selenium	10.0	5.8	U	5.8	U	5.8	U		
Silver	10.0	1.3	U	1.3	U	1.3	U		
Sodium	5000	821	U	821	U	821	U		
Thallium	10.0	5.2	U	5.2	U	5.2	U		
Vanadium	50.0	4.0	U	4.0	U	4.0	U		
Zinc	30.0	5.8	U	5.8	U	5.8	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-136407/8 11/20/2012 13:21		CCB 460-136407/20 11/20/2012 13:44		CCB 460-136407/31 11/20/2012 14:04		CCB 460-136407/42 11/20/2012 14:25	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.16	U	0.16	U	0.16	U	0.16	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-137007/8 11/26/2012 13:52		CCB 460-137007/44 11/26/2012 15:01		CCB 460-137007/55 11/26/2012 15:22			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.16	U	0.16	U	0.16	U		

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Concentration Units: ug/L Lab Sample ID: MB 460-136316/1-A
 Instrument Code: ICP4 Batch No.: 136514

CAS No.	Analyte	Concentration	C	Q	Method
7440-43-9	Cadmium	0.82	U		6010B
7440-36-0	Antimony	7.4	U		6010B
7440-41-7	Beryllium	0.78	U		6010B
7440-28-0	Thallium	5.2	U		6010B
7440-02-0	Nickel	5.0	U		6010B
7440-22-4	Silver	1.3	U		6010B
7440-38-2	Arsenic	3.7	U		6010B
7440-50-8	Copper	7.8	U		6010B
7439-92-1	Lead	4.0	U		6010B
7440-66-6	Zinc	5.8	U		6010B
7782-49-2	Selenium	5.8	U		6010B
7440-47-3	Chromium	4.5	U		6010B
7440-23-5	Sodium	821	U		6010B
7440-09-7	Potassium	525	U		6010B
7440-39-3	Barium	5.9	U		6010B
7440-70-2	Calcium	305	U		6010B
7439-89-6	Iron	73.6	U		6010B
7440-62-2	Vanadium	4.0	U		6010B
7439-95-4	Magnesium	321	U		6010B
7429-90-5	Aluminum	72.1	U		6010B
7439-96-5	Manganese	4.3	U		6010B
7440-48-4	Cobalt	4.3	U		6010B

3-IN
METHOD BLANK
METALS - DISSOLVED

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Concentration Units: ug/L Lab Sample ID: MB 460-136909/1-B
Instrument Code: ICP4 Batch No.: 137173

CAS No.	Analyte	Concentration	C	Q	Method
7440-43-9	Cadmium	0.82	U		6010B
7440-36-0	Antimony	7.4	U		6010B
7440-41-7	Beryllium	0.78	U		6010B
7440-28-0	Thallium	5.2	U		6010B
7440-02-0	Nickel	5.0	U		6010B
7440-22-4	Silver	1.3	U		6010B
7440-38-2	Arsenic	3.7	U		6010B
7440-50-8	Copper	7.8	U		6010B
7439-92-1	Lead	4.0	U		6010B
7440-66-6	Zinc	5.8	U		6010B
7782-49-2	Selenium	5.8	U		6010B
7440-47-3	Chromium	4.5	U		6010B
7440-23-5	Sodium	821	U		6010B
7440-09-7	Potassium	525	U		6010B
7440-39-3	Barium	5.9	U		6010B
7440-70-2	Calcium	305	U		6010B
7439-89-6	Iron	73.6	U		6010B
7440-62-2	Vanadium	4.0	U		6010B
7439-95-4	Magnesium	321	U		6010B
7429-90-5	Aluminum	72.1	U		6010B
7439-96-5	Manganese	4.3	U		6010B
7440-48-4	Cobalt	4.3	U		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Concentration Units: ug/L Lab Sample ID: MB 460-136356/1-A
Instrument Code: LEEMAN3 Batch No.: 136407

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.16	U		7470A

3-IN
METHOD BLANK
METALS - DISSOLVED

Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Concentration Units: ug/L Lab Sample ID: MB 460-136940/1-B
Instrument Code: LEEMAN3 Batch No.: 137007

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.16	U		7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-136514/9 Instrument ID: ICP4
 Lab File ID: 136422.asc ICS Source: ME_ICSA_Duo_00040
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	506700	101
Antimony		1.13	
Arsenic		5.51	
Barium		-0.818	
Beryllium		-0.298	
Cadmium		-2.28	
Calcium	500000	479700	96
Chromium		-1.72	
Cobalt		-0.265	
Copper		-3.47	
Iron	200000	198800	99
Lead		0.858	
Magnesium	500000	508500	102
Manganese		-0.582	
Nickel		-2.17	
Potassium		-6.85	
Selenium		-5.01	
Silver		-1.97	
Sodium		310	
Thallium		-0.857	
Vanadium		1.36	
Zinc		4.88	
<i>Boron</i>		<i>0.370</i>	
<i>Molybdenum</i>		<i>-0.338</i>	
<i>Strontium</i>		<i>0.0818</i>	
<i>Tin</i>		<i>2.41</i>	
<i>Titanium</i>		<i>0.729</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-136514/10 Instrument ID: ICP4
 Lab File ID: 136422.asc ICS Source: ME_ICSAB_DUO_00041
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500000	509700	102
Antimony	100	100.0	100
Arsenic	100	99.7	100
Barium	100	95.0	95
Beryllium	100	95.9	96
Cadmium	100	93.2	93
Calcium	500000	476400	95
Chromium	100	97.1	97
Cobalt	100	93.9	94
Copper	100	95.1	95
Iron	200000	201900	101
Lead	100	97.2	97
Magnesium	500000	518300	104
Manganese	100	97.4	97
Nickel	100	91.1	91
Potassium	10000	10350	104
Selenium	100	92.6	93
Silver	100	99.1	99
Sodium	10000	10810	108
Thallium	100	91.8	92
Vanadium	100	98.9	99
Zinc	100	98.7	99
<i>Boron</i>	<i>100</i>	<i>92.5</i>	<i>93</i>
<i>Molybdenum</i>	<i>100</i>	<i>94.3</i>	<i>94</i>
<i>Strontium</i>	<i>100</i>	<i>95.8</i>	<i>96</i>
<i>Tin</i>	<i>100</i>	<i>95.7</i>	<i>96</i>
<i>Titanium</i>	<i>100</i>	<i>97.0</i>	<i>97</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-136648/9 Instrument ID: ICP4
 Lab File ID: 136320d2.asc ICS Source: ME_ICSA_Duo_00040
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Manganese		-0.302	
Thallium		1.12	
<i>Aluminum</i>	<i>500000</i>	<i>508400</i>	<i>102</i>
<i>Antimony</i>		<i>-1.94</i>	
<i>Arsenic</i>		<i>0.269</i>	
<i>Barium</i>		<i>-1.02</i>	
<i>Beryllium</i>		<i>-0.105</i>	
<i>Boron</i>		<i>0.151</i>	
<i>Cadmium</i>		<i>-1.20</i>	
<i>Calcium</i>	<i>500000</i>	<i>481500</i>	<i>96</i>
<i>Chromium</i>		<i>0.132</i>	
<i>Cobalt</i>		<i>0.149</i>	
<i>Copper</i>		<i>-2.41</i>	
<i>Iron</i>	<i>200000</i>	<i>198700</i>	<i>99</i>
<i>Lead</i>		<i>1.57</i>	
<i>Magnesium</i>	<i>500000</i>	<i>509000</i>	<i>102</i>
<i>Molybdenum</i>		<i>-1.63</i>	
<i>Nickel</i>		<i>-2.16</i>	
<i>Potassium</i>		<i>91.1</i>	
<i>Selenium</i>		<i>-4.44</i>	
<i>Silver</i>		<i>-1.45</i>	
<i>Sodium</i>		<i>20.1</i>	
<i>Strontium</i>		<i>-0.278</i>	
<i>Tin</i>		<i>2.49</i>	
<i>Titanium</i>		<i>-1.28</i>	
<i>Vanadium</i>		<i>1.50</i>	
<i>Zinc</i>		<i>5.15</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-136648/10 Instrument ID: ICP4
 Lab File ID: 136320d2.asc ICS Source: ME_ICSAB_DUO_00041
 Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Manganese	100	97.4	97
Thallium	100	97.5	98
<i>Aluminum</i>	<i>500000</i>	<i>514600</i>	<i>103</i>
<i>Antimony</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Arsenic</i>	<i>100</i>	<i>96.3</i>	<i>96</i>
<i>Barium</i>	<i>100</i>	<i>94.2</i>	<i>94</i>
<i>Beryllium</i>	<i>100</i>	<i>95.7</i>	<i>96</i>
<i>Boron</i>	<i>100</i>	<i>93.2</i>	<i>93</i>
<i>Cadmium</i>	<i>100</i>	<i>93.8</i>	<i>94</i>
<i>Calcium</i>	<i>500000</i>	<i>485700</i>	<i>97</i>
<i>Chromium</i>	<i>100</i>	<i>96.6</i>	<i>97</i>
<i>Cobalt</i>	<i>100</i>	<i>92.9</i>	<i>93</i>
<i>Copper</i>	<i>100</i>	<i>98.1</i>	<i>98</i>
<i>Iron</i>	<i>200000</i>	<i>200700</i>	<i>100</i>
<i>Lead</i>	<i>100</i>	<i>93.9</i>	<i>94</i>
<i>Magnesium</i>	<i>500000</i>	<i>512700</i>	<i>103</i>
<i>Molybdenum</i>	<i>100</i>	<i>93.1</i>	<i>93</i>
<i>Nickel</i>	<i>100</i>	<i>89.7</i>	<i>90</i>
<i>Potassium</i>	<i>10000</i>	<i>10350</i>	<i>104</i>
<i>Selenium</i>	<i>100</i>	<i>94.3</i>	<i>94</i>
<i>Silver</i>	<i>100</i>	<i>99.5</i>	<i>100</i>
<i>Sodium</i>	<i>10000</i>	<i>10380</i>	<i>104</i>
<i>Strontium</i>	<i>100</i>	<i>96.3</i>	<i>96</i>
<i>Tin</i>	<i>100</i>	<i>95.5</i>	<i>96</i>
<i>Titanium</i>	<i>100</i>	<i>98.2</i>	<i>98</i>
<i>Vanadium</i>	<i>100</i>	<i>98.1</i>	<i>98</i>
<i>Zinc</i>	<i>100</i>	<i>97.5</i>	<i>98</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-137173/9 Instrument ID: ICP4
 Lab File ID: 11272012.asc ICS Source: ME_ICSA_Duo_00040
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	495300	99
Antimony		7.44	
Arsenic		1.43	
Barium		-1.05	
Beryllium		-0.173	
Cadmium		-1.18	
Calcium	500000	441600	88
Chromium		-0.0700	
Cobalt		-0.327	
Copper		0.0976	
Iron	200000	193400	97
Lead		-1.40	
Magnesium	500000	497600	100
Manganese		-0.231	
Nickel		-0.567	
Potassium		149	
Selenium		0.714	
Silver		-1.72	
Sodium		-33.1	
Thallium		2.11	
Vanadium		0.772	
Zinc		5.77	
<i>Boron</i>		<i>1.50</i>	
<i>Molybdenum</i>		<i>-0.444</i>	
<i>Strontium</i>		<i>0.0489</i>	
<i>Tin</i>		<i>2.84</i>	
<i>Titanium</i>		<i>-23.3</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-137173/10 Instrument ID: ICP4
 Lab File ID: 11272012.asc ICS Source: ME_ICSAB_DUO_00041
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500000	492600	99
Antimony	100	91.1	91
Arsenic	100	92.6	93
Barium	100	88.5	88
Beryllium	100	91.8	92
Cadmium	100	89.5	90
Calcium	500000	438300	88
Chromium	100	92.2	92
Cobalt	100	87.8	88
Copper	100	95.0	95
Iron	200000	192800	96
Lead	100	88.8	89
Magnesium	500000	497900	100
Manganese	100	93.8	94
Nickel	100	86.6	87
Potassium	10000	10150	102
Selenium	100	91.3	91
Silver	100	92.0	92
Sodium	10000	10120	101
Thallium	100	84.1	84
Vanadium	100	93.0	93
Zinc	100	93.1	93
<i>Boron</i>	<i>100</i>	<i>85.4</i>	<i>85</i>
<i>Molybdenum</i>	<i>100</i>	<i>87.8</i>	<i>88</i>
<i>Strontium</i>	<i>100</i>	<i>90.7</i>	<i>91</i>
<i>Tin</i>	<i>100</i>	<i>87.0</i>	<i>87</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-47222-D-1-C MS
 Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Matrix: Water Concentration Units: ug/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Cadmium	50.16	0.82 U	50.0	100	75-125		6010B
Antimony	494.0	7.4 U	500	99	75-125		6010B
Beryllium	51.18	0.78 U	50.0	102	75-125		6010B
Thallium	2150	10.5 U	2000	108	75-125		6010B
Nickel	518.2	7.8 J	500	102	75-125		6010B
Silver	53.08	2.7 J	50.0	101	75-125		6010B
Arsenic	1949	3.7 U	2000	97	75-125		6010B
Copper	252.7	7.8 U	250	101	75-125		6010B
Lead	512.0	4.0 U	500	102	75-125		6010B
Zinc	503.5	8.0 J	500	99	75-125		6010B
Selenium	1952	5.8 U	2000	98	75-125		6010B
Chromium	204.1	4.5 U	200	102	75-125		6010B
Sodium	30910	9980	20000	105	75-125		6010B
Potassium	22680	2010 J	20000	103	75-125		6010B
Barium	2927	941	2000	99	75-125		6010B
Calcium	103400	83300	20000	100	75-125	4	6010B
Iron	7849	6810	1000	104	75-125	4	6010B
Vanadium	503.7	4.0 U	500	101	75-125		6010B
Magnesium	46990	26300	20000	103	75-125		6010B
Aluminum	2079	72.1 U	2000	104	75-125		6010B
Manganese	14670	14200	500	100	75-125	4	6010B
Cobalt	509.6	8.2 J	500	100	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-47222-D-1-F MS
Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Matrix: Water Concentration Units: ug/L
% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	1.10	0.16 U	1.00	110	75-125		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-47149-J-1-D MS
 Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Matrix: Water Concentration Units: ug/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Cadmium	47.02	0.82 U	50.0	94	75-125		6010B
Antimony	465.2	7.4 U	500	93	75-125		6010B
Beryllium	47.91	0.78 U	50.0	96	75-125		6010B
Thallium	1986	5.2 U	2000	99	75-125		6010B
Nickel	480.4	5.6 J	500	95	75-125		6010B
Silver	44.77	1.3 U	50.0	90	75-125		6010B
Arsenic	1797	3.7 U	2000	90	75-125		6010B
Copper	231.2	7.8 U	250	92	75-125		6010B
Lead	479.3	4.0 U	500	96	75-125		6010B
Zinc	470.1	7.6 J	500	92	75-125		6010B
Selenium	1771	5.8 U	2000	89	75-125		6010B
Chromium	190.6	4.5 U	200	95	75-125		6010B
Sodium	43320	24800	20000	93	75-125		6010B
Potassium	20800	2080 J	20000	94	75-125		6010B
Barium	1982	123 J	2000	93	75-125		6010B
Calcium	34320	14600	20000	99	75-125		6010B
Iron	1847	909	1000	94	75-125		6010B
Vanadium	464.2	4.0 U	500	93	75-125		6010B
Magnesium	25390	6940	20000	92	75-125		6010B
Aluminum	1924	72.1 U	2000	96	75-125		6010B
Manganese	616.6	140	500	95	75-125		6010B
Cobalt	469.1	4.3 U	500	94	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-47127-A-3-F MS
Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
Matrix: Water Concentration Units: ug/L
% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.982	0.16	U 1.00	98	75-125		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-47222-D-1-A PDS
 Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Matrix: Water Concentration Units: ug/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Cadmium	48.65	0.82 U	50.0	97	75-125		6010B
Antimony	479.5	7.4 U	500	96	75-125		6010B
Beryllium	49.55	0.78 U	50.0	99	75-125		6010B
Thallium	2050	10.5 U	2000	103	75-125		6010B
Nickel	501.6	7.8 J	500	99	75-125		6010B
Silver	46.71	2.7 J	50.0	88	75-125		6010B
Arsenic	1900	3.7 U	2000	95	75-125		6010B
Copper	242.7	7.8 U	250	97	75-125		6010B
Lead	495.8	4.0 U	500	99	75-125		6010B
Zinc	491.7	8.0 J	500	97	75-125		6010B
Selenium	1890	5.8 U	2000	95	75-125		6010B
Chromium	195.0	4.5 U	200	98	75-125		6010B
Sodium	29780	9980	20000	99	75-125		6010B
Potassium	21970	2010 J	20000	100	75-125		6010B
Barium	2861	941	2000	96	75-125		6010B
Calcium	101200	83300	20000	89	75-125		6010B
Iron	7621	6810	1000	82	75-125		6010B
Vanadium	484.9	4.0 U	500	97	75-125		6010B
Magnesium	45140	26300	20000	94	75-125		6010B
Aluminum	2008	72.1 U	2000	100	75-125		6010B
Manganese	7358	14200	500	NC	75-125		6010B
Cobalt	493.9	8.2 J	500	97	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-47149-J-1-C PDS
 Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 Matrix: Water Concentration Units: ug/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Cadmium	46.74	0.82 U	50.0	93	75-125		6010B
Antimony	463.0	7.4 U	500	93	75-125		6010B
Beryllium	46.87	0.78 U	50.0	94	75-125		6010B
Thallium	1976	5.2 U	2000	99	75-125		6010B
Nickel	476.4	5.6 J	500	94	75-125		6010B
Silver	44.91	1.3 U	50.0	90	75-125		6010B
Arsenic	1774	3.7 U	2000	89	75-125		6010B
Copper	228.3	7.8 U	250	91	75-125		6010B
Lead	474.2	4.0 U	500	95	75-125		6010B
Zinc	466.0	7.6 J	500	92	75-125		6010B
Selenium	1770	5.8 U	2000	89	75-125		6010B
Chromium	188.4	4.5 U	200	94	75-125		6010B
Sodium	43160	24800	20000	92	75-125		6010B
Potassium	20540	2080 J	20000	92	75-125		6010B
Barium	1959	123 J	2000	92	75-125		6010B
Calcium	34160	14600	20000	98	75-125		6010B
Iron	1841	909	1000	93	75-125		6010B
Vanadium	459.9	4.0 U	500	92	75-125		6010B
Magnesium	25220	6940	20000	91	75-125		6010B
Aluminum	1867	72.1 U	2000	93	75-125		6010B
Manganese	612.7	140	500	95	75-125		6010B
Cobalt	464.8	4.3 U	500	93	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-47222-D-1-B DU
 Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 % Solids for Sample: _____ % Solids for Duplicate: _____
 Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Cadmium	5.0	0.82 U	0.82 U	NC		6010B
Antimony	10.0	7.4 U	7.4 U	NC		6010B
Beryllium	2.0	0.78 U	0.78 U	NC		6010B
Thallium	20.0	10.5 U	10.5 U	NC		6010B
Nickel	40.0	7.8 J	7.35 J	6		6010B
Silver	10.0	2.7 J	2.54 J	8		6010B
Arsenic	5.0	3.7 U	3.7 U	NC		6010B
Copper	25.0	7.8 U	7.8 U	NC		6010B
Lead	5.0	4.0 U	4.0 U	NC		6010B
Zinc	30.0	8.0 J	8.22 J	3		6010B
Selenium	10.0	5.8 U	5.8 U	NC		6010B
Chromium	10.0	4.5 U	4.5 U	NC		6010B
Sodium	5000	9980	9978	0.01		6010B
Potassium	5000	2010 J	1991 J	0.9		6010B
Barium	200	941	933.6	0.7		6010B
Calcium	5000	83300	83850	0.6		6010B
Iron	150	6810	6739	1		6010B
Vanadium	50.0	4.0 U	4.0 U	NC		6010B
Magnesium	5000	26300	26250	0.3		6010B
Aluminum	200	72.1 U	72.1 U	NC		6010B
Manganese	30.0	14200	14220	0.3		6010B
Cobalt	50.0	8.2 J	7.85 J	5		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-47222-D-1-E DU
Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
% Solids for Sample: _____ % Solids for Duplicate: _____
Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Mercury	0.20	0.16 U	0.16 U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
 DUPLICATES
 METALS - DISSOLVED

Client ID: _____ Lab ID: 460-47149-B-1-B DU
 Lab Name: TestAmerica Edison Job No.: 460-47276-1
 SDG No.: _____
 % Solids for Sample: _____ % Solids for Duplicate: _____
 Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Cadmium	5.0	0.82 U	0.82 U	NC		6010B
Antimony	10.0	7.4 U	7.4 U	NC		6010B
Beryllium	2.0	0.78 U	0.78 U	NC		6010B
Thallium	10.0	5.2 U	5.2 U	NC		6010B
Nickel	40.0	5.6 J	5.85 J	4		6010B
Silver	10.0	1.3 U	1.3 U	NC		6010B
Arsenic	5.0	3.7 U	3.7 U	NC		6010B
Copper	25.0	7.8 U	7.8 U	NC		6010B
Lead	5.0	4.0 U	4.0 U	NC		6010B
Zinc	30.0	7.6 J	7.26 J	5		6010B
Selenium	10.0	5.8 U	5.8 U	NC		6010B
Chromium	10.0	4.5 U	4.5 U	NC		6010B
Sodium	5000	24800	23920	4		6010B
Potassium	5000	2080 J	1989 J	4		6010B
Barium	200	123 J	118.6 J	4		6010B
Calcium	5000	14600	13960	4		6010B
Iron	150	909	870.9	4		6010B
Vanadium	50.0	4.0 U	4.0 U	NC		6010B
Magnesium	5000	6940	6785	2		6010B
Aluminum	200	72.1 U	72.1 U	NC		6010B
Manganese	15.0	140	136.3	3		6010B
Cobalt	50.0	4.3 U	4.3 U	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
DUPLICATES
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-47127-A-3-E DU
Lab Name: TestAmerica Edison Job No.: 460-47276-1
SDG No.: _____
% Solids for Sample: _____ % Solids for Duplicate: _____
Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Mercury	0.20	0.16 U	0.16 U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-136316/2-A

Lab Name: TestAmerica Edison

Job No.: 460-47276-1

Sample Matrix: Water

LCS Source: ME_LCS-int_00034

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Cadmium	50.0	52.82		106	80	120		6010B
Antimony	500	503.6		101	80	120		6010B
Beryllium	50.0	52.53		105	80	120		6010B
Thallium	2000	2252		113	80	120		6010B
Nickel	500	537.2		107	80	120		6010B
Silver	50.0	51.10		102	80	120		6010B
Arsenic	2000	2001		100	80	120		6010B
Copper	250	256.4		103	80	120		6010B
Lead	500	538.9		108	80	120		6010B
Zinc	500	524.2		105	80	120		6010B
Selenium	2000	2002		100	80	120		6010B
Chromium	200	210.1		105	80	120		6010B
Sodium	20000	21450		107	80	120		6010B
Potassium	20000	21250		106	80	120		6010B
Barium	2000	2107		105	80	120		6010B
Calcium	20000	21940		110	80	120		6010B
Iron	1000	1058		106	80	120		6010B
Vanadium	500	515.1		103	80	120		6010B
Magnesium	20000	20640		103	80	120		6010B
Aluminum	2000	2118		106	80	120		6010B
Manganese	500	531.0		106	80	120		6010B
Cobalt	500	529.2		106	80	120		6010B

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 460-136906/2-A

Lab Name: TestAmerica Edison

Job No.: 460-47276-1

Sample Matrix: Water

LCS Source: ME_LCS-int_00034

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Cadmium	50.0	47.28		95	80	120		6010B
Antimony	500	464.0		93	80	120		6010B
Beryllium	50.0	47.63		95	80	120		6010B
Thallium	2000	2034		102	80	120		6010B
Nickel	500	483.0		97	80	120		6010B
Silver	50.0	45.06		90	80	120		6010B
Arsenic	2000	1781		89	80	120		6010B
Copper	250	233.6		93	80	120		6010B
Lead	500	481.3		96	80	120		6010B
Zinc	500	464.7		93	80	120		6010B
Selenium	2000	1774		89	80	120		6010B
Chromium	200	190.3		95	80	120		6010B
Sodium	20000	19530		98	80	120		6010B
Potassium	20000	19100		96	80	120		6010B
Barium	2000	1877		94	80	120		6010B
Calcium	20000	20460		102	80	120		6010B
Iron	1000	940.2		94	80	120		6010B
Vanadium	500	462.7		93	80	120		6010B
Magnesium	20000	18660		93	80	120		6010B
Aluminum	2000	1916		96	80	120		6010B
Manganese	500	483.2		97	80	120		6010B
Cobalt	500	473.2		95	80	120		6010B

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 460-136356/2-A

Lab Name: TestAmerica Edison

Job No.: 460-47276-1

Sample Matrix: Water

LCS Source: ME_DCAL-IN_00981

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	1.05		105	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-136946/2-A

Lab Name: TestAmerica Edison

Job No.: 460-47276-1

Sample Matrix: Water

LCS Source: ME_DCAL-IN_00986

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	0.981		98	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-47222-D-1-A SD

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-47276-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Cadmium	0.82	U	4.1	U	NC		6010B
Antimony	7.4	U	36.8	U	NC		6010B
Beryllium	0.78	U	3.9	U	NC		6010B
Thallium	10.5	U	5.2	U	NC		6010B
Nickel	7.8	J	24.9	U	NC		6010B
Silver	2.7	J	6.7	U	NC		6010B
Arsenic	3.7	U	18.6	U	NC		6010B
Copper	7.8	U	39.2	U	NC		6010B
Lead	4.0	U	20.1	U	NC		6010B
Zinc	8.0	J	29.2	U	NC		6010B
Selenium	5.8	U	28.8	U	NC		6010B
Chromium	4.5	U	22.3	U	NC		6010B
Sodium	9980		10090	J	NC		6010B
Potassium	2010	J	2620	U	NC		6010B
Barium	941		925.0	J	1.7		6010B
Calcium	83300		82500		0.98		6010B
Iron	6810		6730		1.1		6010B
Vanadium	4.0	U	20.2	U	NC		6010B
Magnesium	26300		26590		0.97		6010B
Aluminum	72.1	U	361	U	NC		6010B
Manganese	14200		1403		90	V	6010B
Cobalt	8.2	J	21.4	U	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - DISSOLVED

Lab ID: 460-47149-J-1-C SD ^5

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-47276-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Cadmium	0.82	U	4.1	U	NC		6010B
Antimony	7.4	U	36.8	U	NC		6010B
Beryllium	0.78	U	3.9	U	NC		6010B
Thallium	5.2	U	26.2	U	NC		6010B
Nickel	5.6	J	24.9	U	NC		6010B
Silver	1.3	U	6.7	U	NC		6010B
Arsenic	3.7	U	18.6	U	NC		6010B
Copper	7.8	U	39.2	U	NC		6010B
Lead	4.0	U	20.1	U	NC		6010B
Zinc	7.6	J	29.2	U	NC		6010B
Selenium	5.8	U	28.8	U	NC		6010B
Chromium	4.5	U	22.3	U	NC		6010B
Sodium	24800		25310		NC		6010B
Potassium	2080	J	2707	J	NC		6010B
Barium	123	J	122.2	J	NC		6010B
Calcium	14600		14760	J	NC		6010B
Iron	909		937.0		NC		6010B
Vanadium	4.0	U	20.2	U	NC		6010B
Magnesium	6940		6910	J	NC		6010B
Aluminum	72.1	U	361	U	NC		6010B
Manganese	140		140.0		NC		6010B
Cobalt	4.3	U	21.4	U	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-47222-D-1-D SD ^5

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-47276-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Result (S)	C			
Mercury	0.16	U	0.80	U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - DISSOLVED

Lab ID: 460-47127-A-3-D SD ^5

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-47276-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Result (S)	C			
Mercury	0.16	U	0.80	U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-47276-1
SDG Number: _____
Matrix: Water Instrument ID: ICP4
Method: 6010B MDL Date: 11/14/2011 12:49
Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Aluminum		200	72.11
Antimony		10	7.351
Arsenic		5	3.729
Barium		200	5.944
Beryllium		2	0.776
Cadmium		5	0.818
Calcium		5000	304.6
Chromium		10	4.46
Cobalt		50	4.272
Copper		25	7.838
Iron		150	73.6
Lead		5	4.012
Magnesium		5000	321.4
Manganese		15	4.303
Nickel		40	4.981
Potassium		5000	524.8
Selenium		10	5.758
Silver		10	1.339
Sodium		5000	820.7
Thallium		10	5.247
Vanadium		50	4.044
Zinc		30	5.849

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-47276-1
SDG Number: _____
Matrix: Water Instrument ID: ICP4
Method: 6010B XMDL Date: 11/14/2011 12:49

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	72.11
Antimony		10	7.351
Arsenic		5	3.729
Barium		200	5.944
Beryllium		2	0.776
Cadmium		5	0.818
Calcium		5000	304.6
Chromium		10	4.46
Cobalt		50	4.272
Copper		25	7.838
Iron		150	73.6
Lead		5	4.012
Magnesium		5000	321.4
Manganese		15	4.303
Nickel		40	4.981
Potassium		5000	524.8
Selenium		10	5.758
Silver		10	1.339
Sodium		5000	820.7
Thallium		10	5.247
Vanadium		50	4.044
Zinc		30	5.849

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Edison Job Number: 460-47276-1
SDG Number: _____
Matrix: Water Instrument ID: ICP4
Method: 6010B MDL Date: 11/14/2011 12:49
Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Aluminum		200	72.11
Antimony		10	7.351
Arsenic		5	3.729
Barium		200	5.944
Beryllium		2	0.776
Cadmium		5	0.818
Calcium		5000	304.6
Chromium		10	4.46
Cobalt		50	4.272
Copper		25	7.838
Iron		150	73.6
Lead		5	4.012
Magnesium		5000	321.4
Manganese		15	4.303
Nickel		40	4.981
Potassium		5000	524.8
Selenium		10	5.758
Silver		10	1.339
Sodium		5000	820.7
Thallium		10	5.247
Vanadium		50	4.044
Zinc		30	5.849

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Edison Job Number: 460-47276-1
SDG Number: _____
Matrix: Water Instrument ID: ICP4
Method: 6010B XMDL Date: 11/14/2011 12:49

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	72.11
Antimony		10	7.351
Arsenic		5	3.729
Barium		200	5.944
Beryllium		2	0.776
Cadmium		5	0.818
Calcium		5000	304.6
Chromium		10	4.46
Cobalt		50	4.272
Copper		25	7.838
Iron		150	73.6
Lead		5	4.012
Magnesium		5000	321.4
Manganese		15	4.303
Nickel		40	4.981
Potassium		5000	524.8
Selenium		10	5.758
Silver		10	1.339
Sodium		5000	820.7
Thallium		10	5.247
Vanadium		50	4.044
Zinc		30	5.849

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-47276-1
SDG Number: _____
Matrix: Water Instrument ID: LEEMAN3
Method: 7470A MDL Date: 11/14/2011 12:40
Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.16

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-47276-1
SDG Number: _____
Matrix: Water Instrument ID: LEEMAN3
Method: 7470A XMDL Date: 11/14/2011 12:40

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.16

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Edison Job Number: 460-47276-1
SDG Number: _____
Matrix: Water Instrument ID: LEEMAN3
Method: 7470A MDL Date: 11/14/2011 12:40
Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.16

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Edison Job Number: 460-47276-1
SDG Number: _____
Matrix: Water Instrument ID: LEEMAN3
Method: 7470A XMDL Date: 11/14/2011 12:40

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.16

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Edison

Job No: 460-47276-1

SDG No.: _____

Instrument ID: ICP4

Date: 01/05/2012 09:24

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Cadmium		10000	6010B
Antimony		8000	6010B
Beryllium		8000	6010B
Thallium		20000	6010B
Nickel		20000	6010B
Silver		10000	6010B
Arsenic		20000	6010B
Copper		100000	6010B
Lead		60000	6010B
Zinc		20000	6010B
Selenium		20000	6010B
Chromium		40000	6010B
Sodium		1000000	6010B
Potassium		400000	6010B
Barium		80000	6010B
Calcium		1000000	6010B
Iron		800000	6010B
Vanadium		20000	6010B
Magnesium		1000000	6010B
Aluminum		1000000	6010B
Manganese		40000	6010B
Cobalt		20000	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-136316/1-A	11/20/2012 07:39	136316		50	50
LCS 460-136316/2-A	11/20/2012 07:39	136316		50	50
460-47222-D-1-B DU	11/20/2012 07:39	136316		50	50
460-47222-D-1-B DU ^2	11/20/2012 07:39	136316		50	50
460-47222-D-1-C MS	11/20/2012 07:39	136316		50	50
460-47222-D-1-C MS ^2	11/20/2012 07:39	136316		50	50
460-47276-2	11/20/2012 07:39	136316		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-136909/1-B	11/26/2012 09:01	136906		100	100
LCS 460-136906/2-A	11/26/2012 09:01	136906		100	100
460-47149-B-1-B DU	11/26/2012 09:01	136906		100	100
460-47149-J-1-D MS	11/26/2012 09:01	136906		100	100
460-47276-2	11/26/2012 09:01	136906		100	100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-136356/1-A	11/20/2012 10:30	136356		30	30
LCS 460-136356/2-A	11/20/2012 10:30	136356		30	30
460-47222-D-1-E DU	11/20/2012 10:30	136356		30	30
460-47222-D-1-F MS	11/20/2012 10:30	136356		30	30
460-47276-2	11/20/2012 10:30	136356		30	30

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-136940/1-B	11/26/2012 12:15	136946		30	30
LCS 460-136946/2-A	11/26/2012 12:15	136946		30	30
460-47127-A-3-E DU	11/26/2012 12:15	136946		30	30
460-47127-A-3-F MS	11/26/2012 12:15	136946		30	30
460-47276-2	11/26/2012 12:15	136946		30	30

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 11/20/2012 18:01 End Date: 11/21/2012 06:55

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ZZZZZZ			18:01																				
ZZZZZZ			18:05																				
ZZZZZZ			18:09																				
ZZZZZZ			18:12																				
ZZZZZZ			18:16																				
ZZZZZZ			18:19																				
ICV 460-136514/7	1		18:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-136514/8	1		18:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-136514/9	1		18:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-136514/10	1		18:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			18:38																				
ZZZZZZ			18:41																				
ZZZZZZ			18:45																				
ZZZZZZ			18:49																				
ZZZZZZ			18:52																				
ZZZZZZ			18:56																				
ZZZZZZ			19:00																				
ZZZZZZ			19:03																				
CCV 460-136514/19			19:07																				
CCB 460-136514/20			19:10																				
ZZZZZZ			19:14																				
ZZZZZZ			19:18																				
ZZZZZZ			19:21																				
ZZZZZZ			19:25																				
ZZZZZZ			19:29																				
ZZZZZZ			19:32																				
ZZZZZZ			19:36																				
ZZZZZZ			19:39																				
ZZZZZZ			19:43																				
ZZZZZZ			19:47																				
CCV 460-136514/31			19:50																				
CCB 460-136514/32			19:54																				
ZZZZZZ			19:57																				
ZZZZZZ			20:01																				
ZZZZZZ			20:05																				
ZZZZZZ			20:08																				
ZZZZZZ			20:12																				
ZZZZZZ			20:16																				
ZZZZZZ			20:19																				
ZZZZZZ			20:23																				
ZZZZZZ			20:26																				
ZZZZZZ			20:30																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 11/20/2012 18:01 End Date: 11/21/2012 06:55

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
CCV 460-136514/43			20:34																			
CCB 460-136514/44			20:37																			
ZZZZZZ			20:41																			
ZZZZZZ			20:45																			
ZZZZZZ			20:48																			
ZZZZZZ			20:52																			
ZZZZZZ			20:56																			
ZZZZZZ			20:59																			
ZZZZZZ			21:03																			
ZZZZZZ			21:07																			
ZZZZZZ			21:10																			
ZZZZZZ			21:14																			
CCV 460-136514/55			21:17																			
CCB 460-136514/56			21:21																			
ZZZZZZ			21:25																			
ZZZZZZ			21:28																			
ZZZZZZ			21:32																			
ZZZZZZ			21:36																			
ZZZZZZ			21:39																			
ZZZZZZ			21:43																			
ZZZZZZ			21:46																			
ZZZZZZ			21:50																			
ZZZZZZ			21:54																			
ZZZZZZ			21:57																			
CCV 460-136514/67			22:01																			
CCB 460-136514/68			22:05																			
ZZZZZZ			22:08																			
ZZZZZZ			22:12																			
ZZZZZZ			22:16																			
ZZZZZZ			22:20																			
ZZZZZZ			22:23																			
ZZZZZZ			22:27																			
ZZZZZZ			22:31																			
ZZZZZZ			22:35																			
ZZZZZZ			22:39																			
ZZZZZZ			22:43																			
CCV 460-136514/79			22:47																			
CCB 460-136514/80			22:51																			
ZZZZZZ			22:55																			
ZZZZZZ			22:59																			
ZZZZZZ			23:03																			
ZZZZZZ			23:07																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 11/20/2012 18:01 End Date: 11/21/2012 06:55

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ZZZZZZ			23:11																				
ZZZZZZ			23:15																				
ZZZZZZ			23:19																				
ZZZZZZ			23:23																				
ZZZZZZ			23:27																				
ZZZZZZ			23:32																				
CCV 460-136514/91	1		23:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-136514/92	1		23:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			23:44																				
ZZZZZZ			23:48																				
ZZZZZZ			23:52																				
ZZZZZZ			23:57																				
ZZZZZZ			00:01																				
ZZZZZZ			00:05																				
MB 460-136316/1-A	1	T	00:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCS 460-136316/2-A	1	T	00:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-47222-D-1-B DU	1	T	00:17	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	
ZZZZZZ			00:22																				
CCV 460-136514/103	1		00:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-136514/104	1		00:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-47222-D-1-A SD	5	T	00:34	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	
460-47222-D-1-C MS	1	T	00:39	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	
460-47222-D-1-A PDS	1	T	00:43	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	
ZZZZZZ			00:47																				
ZZZZZZ			00:51																				
ZZZZZZ			00:56																				
ZZZZZZ			01:00																				
ZZZZZZ			01:04																				
460-47276-2	1	T	01:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			01:13																				
CCV 460-136514/115	1		01:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-136514/116	1		01:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			01:26																				
ZZZZZZ			01:30																				
ZZZZZZ			01:35																				
ZZZZZZ			01:40																				
ZZZZZZ			01:44																				
ZZZZZZ			01:49																				
ZZZZZZ			01:53																				
ZZZZZZ			01:58																				
ZZZZZZ			02:02																				
ZZZZZZ			02:07																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 11/20/2012 18:01 End Date: 11/21/2012 06:55

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
CCV 460-136514/127			02:11																			
CCB 460-136514/128			02:15																			
ZZZZZZ			02:20																			
ZZZZZZ			02:25																			
ZZZZZZ			02:29																			
ZZZZZZ			02:34																			
ZZZZZZ			02:38																			
ZZZZZZ			02:43																			
ZZZZZZ			02:48																			
ZZZZZZ			02:52																			
ZZZZZZ			02:57																			
ZZZZZZ			03:01																			
CCV 460-136514/139			03:06																			
CCB 460-136514/140			03:10																			
ZZZZZZ			03:15																			
ZZZZZZ			03:19																			
ZZZZZZ			03:24																			
ZZZZZZ			03:28																			
ZZZZZZ			03:33																			
ZZZZZZ			03:38																			
ZZZZZZ			03:43																			
ZZZZZZ			03:48																			
ZZZZZZ			03:53																			
ZZZZZZ			03:58																			
CCV 460-136514/151			04:03																			
CCB 460-136514/152			04:07																			
ZZZZZZ			04:12																			
ZZZZZZ			04:17																			
ZZZZZZ			04:22																			
ZZZZZZ			04:27																			
ZZZZZZ			04:32																			
ZZZZZZ			04:36																			
ZZZZZZ			04:41																			
ZZZZZZ			04:46																			
ZZZZZZ			04:51																			
ZZZZZZ			04:56																			
CCV 460-136514/163			05:01																			
CCB 460-136514/164			05:05																			
ZZZZZZ			05:10																			
ZZZZZZ			05:15																			
ZZZZZZ			05:20																			
ZZZZZZ			05:25																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 11/20/2012 18:01 End Date: 11/21/2012 06:55

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
ZZZZZZ			05:30																			
ZZZZZZ			05:35																			
ZZZZZZ			05:40																			
ZZZZZZ			05:45																			
ZZZZZZ			05:50																			
ZZZZZZ			05:55																			
CCV 460-136514/175			06:01																			
CCB 460-136514/176			06:05																			
ZZZZZZ			06:10																			
ZZZZZZ			06:16																			
ZZZZZZ			06:21																			
ZZZZZZ			06:26																			
ZZZZZZ			06:31																			
ZZZZZZ			06:36																			
ZZZZZZ			06:41																			
ZZZZZZ			06:46																			
CCV 460-136514/185			06:51																			
CCB 460-136514/186			06:55																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 11/20/2012 18:01 End Date: 11/21/2012 06:55

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			18:01																		
ZZZZZZ			18:05																		
ZZZZZZ			18:09																		
ZZZZZZ			18:12																		
ZZZZZZ			18:16																		
ZZZZZZ			18:19																		
ICV 460-136514/7	1		18:23	X	X																
ICB 460-136514/8	1		18:26	X	X																
ICSA 460-136514/9	1		18:30	X	X																
ICSAB 460-136514/10	1		18:34	X	X																
ZZZZZZ			18:38																		
ZZZZZZ			18:41																		
ZZZZZZ			18:45																		
ZZZZZZ			18:49																		
ZZZZZZ			18:52																		
ZZZZZZ			18:56																		
ZZZZZZ			19:00																		
ZZZZZZ			19:03																		
CCV 460-136514/19			19:07																		
CCB 460-136514/20			19:10																		
ZZZZZZ			19:14																		
ZZZZZZ			19:18																		
ZZZZZZ			19:21																		
ZZZZZZ			19:25																		
ZZZZZZ			19:29																		
ZZZZZZ			19:32																		
ZZZZZZ			19:36																		
ZZZZZZ			19:39																		
ZZZZZZ			19:43																		
ZZZZZZ			19:47																		
CCV 460-136514/31			19:50																		
CCB 460-136514/32			19:54																		
ZZZZZZ			19:57																		
ZZZZZZ			20:01																		
ZZZZZZ			20:05																		
ZZZZZZ			20:08																		
ZZZZZZ			20:12																		
ZZZZZZ			20:16																		
ZZZZZZ			20:19																		
ZZZZZZ			20:23																		
ZZZZZZ			20:26																		
ZZZZZZ			20:30																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 11/20/2012 18:01 End Date: 11/21/2012 06:55

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCV 460-136514/43			20:34																		
CCB 460-136514/44			20:37																		
ZZZZZZ			20:41																		
ZZZZZZ			20:45																		
ZZZZZZ			20:48																		
ZZZZZZ			20:52																		
ZZZZZZ			20:56																		
ZZZZZZ			20:59																		
ZZZZZZ			21:03																		
ZZZZZZ			21:07																		
ZZZZZZ			21:10																		
ZZZZZZ			21:14																		
CCV 460-136514/55			21:17																		
CCB 460-136514/56			21:21																		
ZZZZZZ			21:25																		
ZZZZZZ			21:28																		
ZZZZZZ			21:32																		
ZZZZZZ			21:36																		
ZZZZZZ			21:39																		
ZZZZZZ			21:43																		
ZZZZZZ			21:46																		
ZZZZZZ			21:50																		
ZZZZZZ			21:54																		
ZZZZZZ			21:57																		
CCV 460-136514/67			22:01																		
CCB 460-136514/68			22:05																		
ZZZZZZ			22:08																		
ZZZZZZ			22:12																		
ZZZZZZ			22:16																		
ZZZZZZ			22:20																		
ZZZZZZ			22:23																		
ZZZZZZ			22:27																		
ZZZZZZ			22:31																		
ZZZZZZ			22:35																		
ZZZZZZ			22:39																		
ZZZZZZ			22:43																		
CCV 460-136514/79			22:47																		
CCB 460-136514/80			22:51																		
ZZZZZZ			22:55																		
ZZZZZZ			22:59																		
ZZZZZZ			23:03																		
ZZZZZZ			23:07																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 11/20/2012 18:01 End Date: 11/21/2012 06:55

Lab Sample ID	D / F	T y p e	Time	Analytes															
				V	Z n														
ZZZZZZ			23:11																
ZZZZZZ			23:15																
ZZZZZZ			23:19																
ZZZZZZ			23:23																
ZZZZZZ			23:27																
ZZZZZZ			23:32																
CCV 460-136514/91	1		23:36	X	X														
CCB 460-136514/92	1		23:40	X	X														
ZZZZZZ			23:44																
ZZZZZZ			23:48																
ZZZZZZ			23:52																
ZZZZZZ			23:57																
ZZZZZZ			00:01																
ZZZZZZ			00:05																
MB 460-136316/1-A	1	T	00:09	X	X														
LCS 460-136316/2-A	1	T	00:13	X	X														
460-47222-D-1-B DU	1	T	00:17	X	X														
ZZZZZZ			00:22																
CCV 460-136514/103	1		00:26	X	X														
CCB 460-136514/104	1		00:30	X	X														
460-47222-D-1-A SD	5	T	00:34	X	X														
460-47222-D-1-C MS	1	T	00:39	X	X														
460-47222-D-1-A PDS	1	T	00:43	X	X														
ZZZZZZ			00:47																
ZZZZZZ			00:51																
ZZZZZZ			00:56																
ZZZZZZ			01:00																
ZZZZZZ			01:04																
460-47276-2	1	T	01:08	X	X														
ZZZZZZ			01:13																
CCV 460-136514/115	1		01:17	X	X														
CCB 460-136514/116	1		01:21	X	X														
ZZZZZZ			01:26																
ZZZZZZ			01:30																
ZZZZZZ			01:35																
ZZZZZZ			01:40																
ZZZZZZ			01:44																
ZZZZZZ			01:49																
ZZZZZZ			01:53																
ZZZZZZ			01:58																
ZZZZZZ			02:02																
ZZZZZZ			02:07																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 11/20/2012 18:01 End Date: 11/21/2012 06:55

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCV 460-136514/127			02:11																		
CCB 460-136514/128			02:15																		
ZZZZZZ			02:20																		
ZZZZZZ			02:25																		
ZZZZZZ			02:29																		
ZZZZZZ			02:34																		
ZZZZZZ			02:38																		
ZZZZZZ			02:43																		
ZZZZZZ			02:48																		
ZZZZZZ			02:52																		
ZZZZZZ			02:57																		
ZZZZZZ			03:01																		
CCV 460-136514/139			03:06																		
CCB 460-136514/140			03:10																		
ZZZZZZ			03:15																		
ZZZZZZ			03:19																		
ZZZZZZ			03:24																		
ZZZZZZ			03:28																		
ZZZZZZ			03:33																		
ZZZZZZ			03:38																		
ZZZZZZ			03:43																		
ZZZZZZ			03:48																		
ZZZZZZ			03:53																		
ZZZZZZ			03:58																		
CCV 460-136514/151			04:03																		
CCB 460-136514/152			04:07																		
ZZZZZZ			04:12																		
ZZZZZZ			04:17																		
ZZZZZZ			04:22																		
ZZZZZZ			04:27																		
ZZZZZZ			04:32																		
ZZZZZZ			04:36																		
ZZZZZZ			04:41																		
ZZZZZZ			04:46																		
ZZZZZZ			04:51																		
ZZZZZZ			04:56																		
CCV 460-136514/163			05:01																		
CCB 460-136514/164			05:05																		
ZZZZZZ			05:10																		
ZZZZZZ			05:15																		
ZZZZZZ			05:20																		
ZZZZZZ			05:25																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 11/20/2012 18:01 End Date: 11/21/2012 06:55

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			05:30																		
ZZZZZZ			05:35																		
ZZZZZZ			05:40																		
ZZZZZZ			05:45																		
ZZZZZZ			05:50																		
ZZZZZZ			05:55																		
CCV 460-136514/175			06:01																		
CCB 460-136514/176			06:05																		
ZZZZZZ			06:10																		
ZZZZZZ			06:16																		
ZZZZZZ			06:21																		
ZZZZZZ			06:26																		
ZZZZZZ			06:31																		
ZZZZZZ			06:36																		
ZZZZZZ			06:41																		
ZZZZZZ			06:46																		
CCV 460-136514/185			06:51																		
CCB 460-136514/186			06:55																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 11/21/2012 17:41 End Date: 11/21/2012 18:47

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				M n	T l																
ZZZZZZ			17:41																		
ZZZZZZ			17:45																		
ZZZZZZ			17:49																		
ZZZZZZ			17:52																		
ZZZZZZ			17:56																		
ZZZZZZ			17:59																		
ICV 460-136648/7	1		18:03	X	X																
ICB 460-136648/8	1		18:06	X	X																
ICSA 460-136648/9	1		18:10	X	X																
ICSAB 460-136648/10	1		18:14	X	X																
ZZZZZZ			18:18																		
ZZZZZZ			18:21																		
460-47222-D-1-B DU ^2	2	T	18:25	X	X																
ZZZZZZ			18:29																		
460-47222-D-1-A SD ^1	1	T	18:32	X	X																
460-47222-D-1-C MS ^2	2	T	18:36	X	X																
460-47222-D-1-A PDS	1	T	18:40	X	X																
CCV 460-136648/18	1		18:43	X	X																
CCB 460-136648/19	1		18:47	X	X																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 11/27/2012 15:06 End Date: 11/27/2012 17:07

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ZZZZZZ			15:06																				
ZZZZZZ			15:10																				
ZZZZZZ			15:14																				
ZZZZZZ			15:18																				
ZZZZZZ			15:21																				
ZZZZZZ			15:24																				
ICV 460-137173/7	1		15:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-137173/8	1		15:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-137173/9	1		15:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-137173/10	1		15:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			15:43																				
460-47149-B-1-B DU	1	D	15:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			15:50																				
460-47149-J-1-C SD ^5	5	D	15:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-47149-J-1-D MS	1	D	15:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-47149-J-1-C PDS	1	D	16:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			16:04																				
LCS 460-136906/2-A	1	T	16:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 460-137173/19	1		16:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-137173/20	1		16:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MB 460-136909/1-B	1	D	16:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			16:23																				
ZZZZZZ			16:26																				
460-47276-2	1	D	16:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			16:34																				
ZZZZZZ			16:37																				
ZZZZZZ			16:41																				
ZZZZZZ			16:45																				
ZZZZZZ			16:49																				
ZZZZZZ			16:52																				
CCV 460-137173/31	1		16:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-137173/32	1		16:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 460-137173/33			17:03																				
CCB 460-137173/34			17:07																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 11/27/2012 15:06 End Date: 11/27/2012 17:07

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			15:06																		
ZZZZZZ			15:10																		
ZZZZZZ			15:14																		
ZZZZZZ			15:18																		
ZZZZZZ			15:21																		
ZZZZZZ			15:24																		
ICV 460-137173/7	1		15:28	X	X																
ICB 460-137173/8	1		15:31	X	X																
ICSA 460-137173/9	1		15:35	X	X																
ICSAB 460-137173/10	1		15:39	X	X																
ZZZZZZ			15:43																		
460-47149-B-1-B DU	1	D	15:46	X	X																
ZZZZZZ			15:50																		
460-47149-J-1-C SD ^5	5	D	15:54	X	X																
460-47149-J-1-D MS	1	D	15:57	X	X																
460-47149-J-1-C PDS	1	D	16:01	X	X																
ZZZZZZ			16:04																		
LCS 460-136906/2-A	1	T	16:08	X	X																
CCV 460-137173/19	1		16:12	X	X																
CCB 460-137173/20	1		16:15	X	X																
MB 460-136909/1-B	1	D	16:19	X	X																
ZZZZZZ			16:23																		
ZZZZZZ			16:26																		
460-47276-2	1	D	16:30	X	X																
ZZZZZZ			16:34																		
ZZZZZZ			16:37																		
ZZZZZZ			16:41																		
ZZZZZZ			16:45																		
ZZZZZZ			16:49																		
ZZZZZZ			16:52																		
CCV 460-137173/31	1		16:56	X	X																
CCB 460-137173/32	1		16:59	X	X																
CCV 460-137173/33			17:03																		
CCB 460-137173/34			17:07																		

Prep Types

D = Dissolved

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: LEEMAN3 Method: 7470A

Start Date: 11/20/2012 13:07 End Date: 11/20/2012 15:18

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
IC 460-136356/25-A			13:07	X																	
IC 460-136356/26-A			13:09	X																	
IC 460-136356/27-A			13:11	X																	
IC 460-136356/28-A			13:13	X																	
IC 460-136356/29-A			13:16	X																	
IC 460-136356/30-A			13:17	X																	
ICV 460-136356/31-A	1		13:19	X																	
ICB 460-136407/8	1		13:21	X																	
ZZZZZZ			13:23																		
ZZZZZZ			13:25																		
ZZZZZZ			13:27																		
LCS 460-136356/2-A	1	T	13:29	X																	
ZZZZZZ			13:31																		
460-47222-D-1-E DU	1	T	13:33	X																	
460-47222-D-1-F MS	1	T	13:34	X																	
ZZZZZZ			13:36																		
460-47276-2	1	T	13:38	X																	
ZZZZZZ			13:40																		
CCV 460-136356/33-A	1		13:42	X																	
CCB 460-136407/20	1		13:44	X																	
ZZZZZZ			13:45																		
ZZZZZZ			13:47																		
ZZZZZZ			13:49																		
ZZZZZZ			13:51																		
ZZZZZZ			13:52																		
ZZZZZZ			13:54																		
ZZZZZZ			13:56																		
ZZZZZZ			13:58																		
ZZZZZZ			14:00																		
CCV 460-136356/33-A	1		14:02	X																	
CCB 460-136407/31	1		14:04	X																	
ZZZZZZ			14:06																		
ZZZZZZ			14:07																		
ZZZZZZ			14:09																		
ZZZZZZ			14:11																		
ZZZZZZ			14:13																		
ZZZZZZ			14:15																		
ZZZZZZ			14:17																		
460-47222-D-1-D SD ^5	5	T	14:19	X																	
MB 460-136356/1-A	1	T	14:21	X																	
CCV 460-136356/33-A	1		14:23	X																	
CCB 460-136407/42	1		14:25	X																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: LEEMAN3 Method: 7470A

Start Date: 11/20/2012 13:07 End Date: 11/20/2012 15:18

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
ZZZZZZ			14:40																		
ZZZZZZ			14:42																		
ZZZZZZ			14:44																		
ZZZZZZ			14:46																		
ZZZZZZ			14:48																		
ZZZZZZ			14:50																		
ZZZZZZ			14:52																		
ZZZZZZ			14:53																		
ZZZZZZ			14:55																		
CCV 460-136356/33-A			14:57																		
CCB 460-136407/53			14:59																		
ZZZZZZ			15:01																		
ZZZZZZ			15:03																		
ZZZZZZ			15:05																		
ZZZZZZ			15:06																		
ZZZZZZ			15:08																		
ZZZZZZ			15:10																		
ZZZZZZ			15:12																		
ZZZZZZ			15:14																		
CCV 460-136356/33-A			15:16																		
CCB 460-136407/63			15:18																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: LEEMAN3 Method: 7470A

Start Date: 11/26/2012 13:39 End Date: 11/26/2012 15:22

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
IC 460-136928/14-A			13:39	X															
IC 460-136928/15-A			13:41	X															
IC 460-136928/16-A			13:43	X															
IC 460-136928/17-A			13:44	X															
IC 460-136928/18-A			13:46	X															
IC 460-136928/19-A			13:48	X															
ICV 460-136928/20-A	1		13:50	X															
ICB 460-137007/8	1		13:52	X															
ZZZZZZ			13:54																
ZZZZZZ			13:56																
ZZZZZZ			13:57																
ZZZZZZ			14:00																
ZZZZZZ			14:02																
ZZZZZZ			14:04																
ZZZZZZ			14:06																
ZZZZZZ			14:08																
ZZZZZZ			14:10																
CCV 460-136928/22-A			14:12																
CCB 460-137007/19			14:14																
ZZZZZZ			14:16																
ZZZZZZ			14:18																
ZZZZZZ			14:20																
ZZZZZZ			14:22																
ZZZZZZ			14:24																
ZZZZZZ			14:26																
ZZZZZZ			14:28																
CCV 460-136928/22-A			14:29																
CCB 460-137007/28			14:31																
ZZZZZZ			14:33																
ZZZZZZ			14:35																
ZZZZZZ			14:37																
ZZZZZZ			14:39																
ZZZZZZ			14:40																
ZZZZZZ			14:42																
CCV 460-136928/22-A			14:45																
CCB 460-137007/36			14:46																
ZZZZZZ			14:48																
ZZZZZZ			14:50																
ZZZZZZ			14:52																
ZZZZZZ			14:54																
ZZZZZZ			14:56																
ZZZZZZ			14:57																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Instrument ID: LEEMAN3 Method: 7470A

Start Date: 11/26/2012 13:39 End Date: 11/26/2012 15:22

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
CCV 460-136928/22-A	1		14:59	X																	
CCB 460-137007/44	1		15:01	X																	
MB 460-136940/1-B	1	D	15:03	X																	
LCS 460-136946/2-A	1	T	15:05	X																	
ZZZZZZ			15:07																		
460-47127-A-3-E DU	1	D	15:09	X																	
460-47127-A-3-F MS	1	D	15:11	X																	
460-47276-2	1	D	15:13	X																	
ZZZZZZ			15:15																		
ZZZZZZ			15:17																		
460-47127-A-3-D SD ^5	5	D	15:19	X																	
CCV 460-136928/22-A	1		15:20	X																	
CCB 460-137007/55	1		15:22	X																	

Prep Types

D = Dissolved

T = Total/NA

Sample Name: CAL_BLK Acquired: 11/20/2012 18:01:40 Type: Cal
Method: SW_110712(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0005	-.0001	-.0004	.0005	.0013	-.0177
Stddev	.0017	.0001	.0002	.0002	.0007	.0009
%RSD	353.2	159.2	50.31	33.72	56.09	4.959

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0007	-.0002	.0000	.0024	.0001	-.0303
Stddev	.0006	.0005	.0001	.0002	.0000	.0029
%RSD	93.96	230.5	162.2	10.19	59.90	9.526

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0003	-.0060	.0003	.0004	.0003
Stddev	.0001	.0000	.0074	.0003	.0002	.0003
%RSD	83.07	10.97	122.1	104.9	52.52	95.84

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0003	-.0006	.0000	.0000	.0005	-.0005
Stddev	.0003	.0001	.0001	.0002	.0003	.0003
%RSD	89.01	19.27	800.5	727.3	56.89	49.38

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	-.0034	.0020	.0016
Stddev	.0000	.0003	.0004	.0004
%RSD	33.19	9.163	21.37	22.35

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1443.1	16054.	1472.6
Stddev	10.1	27.	3.7
%RSD	.70154	.16518	.24815

Sample Name: DCAL1 Acquired: 11/20/2012 18:05:27 Type: Cal
Method: SW_110712(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu3247	Fe2714	Ni2316	Zn2062
Line	324.754 {104}	271.441 {124}	231.604 {446}	206.200 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0066	.0011	.0099	.0149
Stddev	.0002	.0001	.0003	.0005
%RSD	2.641	5.096	2.941	3.256

Int. Std.	Y_2243	Y_3600
Line	224.306 {450}	360.073 { 94}
Units	Cts/S	Cts/S
Avg	1442.2	16187.
Stddev	1.3	32.
%RSD	.08692	.19556

Sample Name: DCAL2 Acquired: 11/20/2012 18:09:14 Type: Cal
Method: SW_110712(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0140	.0003	.0035	.5714	.0129	.5446
Stddev	.0014	.0003	.0002	.0046	.0012	.0016
%RSD	10.29	116.8	5.007	.8027	9.309	.2931

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0163	.0606	.0021	.0129	.0018	.2470
Stddev	.0005	.0005	.0001	.0001	.0000	.0019
%RSD	3.063	.8281	4.711	1.007	1.082	.7794

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1269	.0258	1.067	.0385	.0027	.0015
Stddev	.0003	.0002	.004	.0002	.0008	.0004
%RSD	.2683	.8204	.3551	.4930	29.14	26.96

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0007	.0012	.0157	.0449	.0192	.0170
Stddev	.0003	.0004	.0002	.0006	.0002	.0004
%RSD	47.89	32.15	1.141	1.382	1.260	2.236

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0102	.2013	.0153	.0090
Stddev	.0002	.0007	.0020	.0004
%RSD	2.137	.3657	13.33	4.604

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1428.3	15948.	1475.1
Stddev	8.1	40.	13.2
%RSD	.56969	.25144	.89765

Sample Name: DCAL3 Acquired: 11/20/2012 18:12:57 Type: Cal
Method: SW_110712(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.688	.0431	.0862	5.621	1.234	2.787
Stddev	.006	.0001	.0001	.005	.007	.017
%RSD	.3364	.3078	.0800	.0918	.5834	.6119

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.026	.5908	.2086	1.053	.1963	.5220
Stddev	.001	.0016	.0010	.003	.0005	.0057
%RSD	.0593	.2661	.4838	.2375	.2700	1.101

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.6208	1.640	5.214	.4701	.4859	.0296
Stddev	.0036	.006	.013	.0006	.0011	.0001
%RSD	.5773	.3439	.2566	.1191	.2237	.3268

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0342	.0725	.1559	.7324	.0840	.4288
Stddev	.0001	.0006	.0005	.0018	.0002	.0011
%RSD	.3244	.8436	.2898	.2510	.2307	.2551

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0390	9.991	1.404	.0768
Stddev	.0002	.039	.007	.0006
%RSD	.3966	.3902	.5373	.7241

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1404.6	15656.	1462.5
Stddev	3.6	64.	9.0
%RSD	.25306	.40624	.61683

Sample Name: DCAL4 Acquired: 11/20/2012 18:16:27 Type: Cal
Method: SW_110712(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8.366	.2214	.4406	27.86	6.076	13.72
Stddev	.014	.0010	.0002	.04	.047	.06
%RSD	.1704	.4467	.0480	.1328	.7731	.4374

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.060	2.895	1.031	5.271	.9593	2.708
Stddev	.012	.005	.003	.014	.0026	.010
%RSD	.2310	.1866	.3227	.2666	.2733	.3696

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.092	8.037	25.65	2.294	2.365	.1474
Stddev	.009	.014	.11	.006	.007	.0003
%RSD	.2832	.1677	.4111	.2831	.2907	.2071

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1736	.3416	.7849	3.618	.4184	2.155
Stddev	.0008	.0019	.0033	.009	.0005	.008
%RSD	.4403	.5662	.4229	.2550	.1270	.3664

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1919	49.35	7.006	.4000
Stddev	.0006	.33	.039	.0009
%RSD	.3038	.6671	.5510	.2200

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1312.1	14775.	1435.2
Stddev	3.2	65.	5.9
%RSD	.24650	.44159	.40812

Sample Name: DCAL5 Acquired: 11/20/2012 18:19:51 Type: Cal
Method: SW_110712(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	16.85	.4567	.9014	55.72	11.99	26.92
Stddev	.09	.0013	.0041	.27	.04	.09
%RSD	.5262	.2953	.4558	.4796	.3345	.3490

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	10.17	5.783	2.063	10.58	1.910	5.455
Stddev	.04	.021	.009	.03	.008	.011
%RSD	.4299	.3614	.4505	.3002	.4142	.1919

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.246	15.88	51.09	4.571	4.706	.3015
Stddev	.018	.04	.36	.014	.017	.0005
%RSD	.2835	.2683	.7137	.3010	.3556	.1619

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3557	.6689	1.582	7.234	.8453	4.361
Stddev	.0008	.0011	.008	.030	.0034	.014
%RSD	.2192	.1642	.4902	.4106	.4041	.3131

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3841	98.51	14.01	.8337
Stddev	.0001	.28	.04	.0053
%RSD	.0359	.2873	.3113	.6376

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1249.2	14226.	1420.6
Stddev	7.2	40.	10.1
%RSD	.57305	.27962	.71144

Sample Name: CCV Acquired: 11/20/2012 18:23:20 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124400.	2471.	1237.	9999.	1006.	125800.
Stddev	515.	4.	4.	6.	6.	396.
%RSD	.4143	.1541	.2900	.0568	.6234	.3147

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1251.	2502.	5005.	12450.	100600.	49720.
Stddev	1.	1.	12.	19.	275.	260.
%RSD	.0697	.0201	.2466	.1518	.2729	.5238

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124700.	5033.	124900.	2507.	7527.	985.4
Stddev	393.	8.	791.	3.	6.	3.8
%RSD	.3155	.1615	.6336	.1178	.0826	.3884

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2488.	2527.	2499.	2512.	1000.	2498.
Stddev	6.	2.	9.	.	3.	6.
%RSD	.2307	.0804	.3717	.0159	.3278	.2524

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/20/2012 18:23:20 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1001.	4999.	10020.	9769.
Stddev	4.	31.	59.	60.
%RSD	.3612	.6102	.5899	.6189

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1326.6	14904.	1451.7
Stddev	.3	40.	6.4
%RSD	.01892	.26693	.44279

Sample Name: CCB Acquired: 11/20/2012 18:26:44 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-11.00	-.1913	.1797	.2670	-.0509	-14.17
Stddev	17.16	.5353	.1933	.3739	.1660	13.74
%RSD	156.1	279.8	107.6	140.0	326.0	97.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1281	.2211	.0609	.1479	6.870	19.17
Stddev	.2209	.3395	.2126	1.053	12.47	27.94
%RSD	172.4	153.6	349.4	711.7	181.5	145.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.018	.2712	108.4	-.0793	.5697	-.5522
Stddev	8.853	.2925	17.8	.3943	1.923	3.350
%RSD	869.8	107.8	16.39	497.2	337.5	606.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.313	1.957	-.4793	.3391	3.540	7.798
Stddev	2.512	2.206	.8141	.2674	1.543	4.384
%RSD	191.3	112.7	169.9	78.87	43.60	56.22

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/20/2012 18:26:44 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.517	.3603	-2.599	-18.61
Stddev	1.618	.7748	3.109	17.45
%RSD	106.7	215.0	119.6	93.75

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1421.7	15938.	1455.3
Stddev	3.6	43.	2.9
%RSD	.25329	.27072	.19989

Sample Name: icsa 1817744 Acquired: 11/20/2012 18:30:32 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	506700.	5.505	-1.969	-8.178	-.2982	479700.
Stddev	2662.	.451	.436	.2544	.1801	1979.
%RSD	.5254	8.183	22.14	31.10	60.38	.4124

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.280	-.2647	-1.724	-3.473	198800.	-6.848
Stddev	.186	.2880	.412	.293	538.	35.80
%RSD	8.141	108.8	23.91	8.433	.2706	522.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	508500.	-.5817	309.7	-2.174	.8584	1.130
Stddev	3842.	.0611	177.1	.762	1.418	.944
%RSD	.7556	10.51	57.16	35.07	165.2	83.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.008	-.8567	1.362	4.879	.3697	-.3377
Stddev	3.774	1.803	.609	.262	.6226	.5238
%RSD	75.36	210.5	44.72	5.371	168.4	155.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: icsa 1817744 Acquired: 11/20/2012 18:30:32 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.406	.0818	.7293	-34.73
Stddev	.581	.0895	2.048	22.30
%RSD	24.13	109.4	280.9	64.19

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1258.8	13952.	1419.3
Stddev	4.9	65.	5.9
%RSD	.38894	.46552	.41408

Sample Name: icsab 1818548 Acquired: 11/20/2012 18:34:29 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	509700.	99.66	99.13	95.00	95.86	476400.
Stddev	2791.	3.49	.52	1.31	.66	2290.
%RSD	.5477	3.505	.5203	1.378	.6892	.4806

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	93.24	93.85	97.09	95.13	201900.	10350.
Stddev	.98	.88	.69	.23	833.	52.
%RSD	1.051	.9398	.7141	.2419	.4125	.5046

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	518300.	97.42	10810.	91.12	97.24	99.97
Stddev	3394.	.35	73.	.08	2.12	4.28
%RSD	.6547	.3614	.6790	.0862	2.182	4.276

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	92.55	91.83	98.89	98.69	92.54	94.31
Stddev	.51	5.35	.67	.53	2.86	.45
%RSD	.5543	5.827	.6731	.5368	3.094	.4732

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: icsab 1818548 Acquired: 11/20/2012 18:34:29 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	95.73	95.81	97.03	49.77
Stddev	2.32	.34	1.17	7.12
%RSD	2.421	.3592	1.211	14.30

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1279.4	14101.	1436.9
Stddev	7.4	38.	5.2
%RSD	.57992	.26957	.36466

Sample Name: int-10 1790436 Acquired: 11/20/2012 18:38:13 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-15.26	-6.448	3.388	-1.491	-.5057	45.08
Stddev	22.86	1.547	.302	.163	.3146	25.24
%RSD	149.8	23.99	8.918	10.92	62.21	55.98

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1693	10060.	9562.	-7.170	-15.73	121.9
Stddev	.0467	46.	46.	.529	25.01	11.8
%RSD	27.61	.4569	.4805	7.377	159.0	9.660

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40.52	9692.	295.0	10220.	.4817	-8.744
Stddev	26.52	48.	20.1	42.	.3282	.907
%RSD	65.45	.4955	6.826	.4089	68.13	10.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -11.94	-5.106	4541.	-1.143	35.16	4642.
Stddev	5.97	1.333	26.	.247	1.58	49.
%RSD	49.99	26.10	.5733	21.63	4.496	1.047

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.00					
Low Limit	-10.00					

Sample Name: int-10 1790436 Acquired: 11/20/2012 18:38:13 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9892.	9434.	9246.	8547.
Stddev	36.	62.	83.	53.
%RSD	.3662	.6523	.8949	.6223

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1418.9	16286.	1487.6
Stddev	2.5	37.	4.0
%RSD	.17639	.22581	.26746

Sample Name: MB 460-136320/1-A@2 Acquired: 11/20/2012 18:41:50 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.629	1.297	-.8634	-.2064	-.0048	-.5977
Stddev	23.04	1.084	.5349	.1505	.2075	10.04
%RSD	347.6	83.57	61.96	72.90	4301.	1680.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1878	.3978	.0294	-.1896	5.130	19.85
Stddev	.1048	.4972	.7710	.1765	16.12	59.46
%RSD	55.81	125.0	2620.	93.09	314.3	299.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5483	.3288	126.5	.5883	1.225	2.152
Stddev	4.014	.4735	4.7	.3793	1.294	2.579
%RSD	732.1	144.0	3.701	64.47	105.6	119.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.359	3.270	.2207	.2805	1.624	F 28.89
Stddev	5.261	.410	.5248	.3117	1.344	21.86
%RSD	156.6	12.55	237.8	111.1	82.72	75.68

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						20.00
Low Limit						-20.00

Sample Name: MB 460-136320/1-A@2 Acquired: 11/20/2012 18:41:50 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.994	.5536	.1584	.1414
Stddev	.903	.7038	3.641	49.33
%RSD	45.28	127.1	2298.	34880.

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1408.5	15954.	1462.5
Stddev	3.2	41.	14.9
%RSD	.22399	.25675	1.0175

Sample Name: lcssrm 460-136320/2- Acquired: 11/20/2012 18:45:37 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31260.	787.6	197.2	1005.	527.4	33580.
Stddev	171.	1.1	.9	2.	3.5	116.
%RSD	.5479	.1378	.4327	.1495	.6554	.3440

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	497.8	652.4	575.9	566.5	60550.	13310.
Stddev	.9	2.3	4.1	1.6	283.	27.
%RSD	.1774	.3595	.7147	.2752	.4669	.2028

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11930.	1694.	1593.	349.6	387.2	1003.
Stddev	60.	4.	19.	.8	2.2	3.
%RSD	.4993	.2084	1.170	.2251	.5620	.3315

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	588.6	1089.	410.5	1325.	382.7	324.1
Stddev	6.5	1.	2.1	2.	.5	2.5
%RSD	1.102	.1185	.5076	.1165	.1359	.7863

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-136320/2- Acquired: 11/20/2012 18:45:37 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	718.9	613.5	670.9	F 1506.
Stddev	2.8	3.0	3.8	13.
%RSD	.3905	.4932	.5688	.8516

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				81000.
Low Limit				24200.

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1477.6	16568.	1559.4
Stddev	5.9	66.	9.4
%RSD	.39912	.40119	.60530

Sample Name: 460-47214-A-1-C DU@4 Acquired: 11/20/2012 18:49:07 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25270.	143.5	-8795	112.9	1.591	9479.	-8387	15.82	67.07
Stddev	127.	2.7	.0721	1.0	.326	58.	.0985	.10	.03
%RSD	.5042	1.906	8.192	.8974	20.50	.6085	11.74	.6221	.0464

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31.79	73390.	2477.	2423.	743.5	68.28	12.90	38.58	-2.201
Stddev	.69	86.	72.	13.	3.1	16.79	.20	.64	1.478
%RSD	2.167	.1172	2.926	.5508	.4187	24.59	1.566	1.663	67.12

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.196	1.843	232.8	96.59	18.84	3.420	3.221	75.15	244.5
Stddev	4.657	2.150	.4	.32	1.22	.263	.404	.72	3.3
%RSD	212.1	116.7	.1696	.3303	6.467	7.686	12.55	.9573	1.333

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1508.
Stddev	38.
%RSD	2.536

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47214-A-1-C DU@4 Acquired: 11/20/2012 18:49:07 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1479.0	16619.	1545.1
Stddev	4.7	27.	15.4
%RSD	.31502	.15987	.99686

Sample Name: 460-47214-A-1-B@4 Acquired: 11/20/2012 18:52:47 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25520.	147.4	-8137	114.2	1.460	9513.	-1.014	15.99	67.20
Stddev	86.	.7	.9909	.4	.050	5.	.082	.34	.61
%RSD	.3384	.4639	121.8	.3484	3.422	.0508	8.132	2.144	.9124

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31.43	73970.	2489.	2433.	742.0	77.52	12.99	39.04	-1.049
Stddev	.76	169.	35.	2.	3.5	2.82	.94	.85	2.397
%RSD	2.407	.2281	1.417	.1014	.4678	3.641	7.262	2.179	228.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.039	.0951	236.0	97.60	19.36	2.906	2.998	74.99	241.6
Stddev	2.086	1.200	1.3	.30	.51	.593	1.300	.69	3.9
%RSD	200.7	1261.	.5638	.3079	2.626	20.39	43.36	.9137	1.604

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1513.
Stddev	51.
%RSD	3.352

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47214-A-1-B@4 Acquired: 11/20/2012 18:52:47 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1465.9	16557.	1545.1
Stddev	.2	71.	3.3
%RSD	.01463	.42930	.21532

Sample Name: sd 460-47214-A-1-B@2 Acquired: 11/20/2012 18:56:27 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5150.	29.27	-.2692	23.03	.3307	1911.	-.2955	3.793	12.70
Stddev	6.	4.14	.2630	.19	.2742	22.	.1336	.440	.47
%RSD	.1198	14.15	97.70	.8255	82.92	1.175	45.21	11.60	3.685

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.636	15060.	512.0	501.9	151.9	33.01	2.582	7.306	-2.005
Stddev	.472	18.	21.6	6.6	.5	1.37	.620	.529	.459
%RSD	7.110	.1187	4.229	1.323	.3070	4.149	24.03	7.237	22.89

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.575	2.641	47.53	19.56	4.424	.8225	.7908	15.02	47.09
Stddev	5.254	1.111	.29	.19	.460	.2027	.9568	.13	2.51
%RSD	146.9	42.06	.6041	.9764	10.39	24.64	121.0	.8479	5.329

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	299.6
Stddev	23.8
%RSD	7.943

Check ? Chk Pass
High Limit
Low Limit

Sample Name: sd 460-47214-A-1-B@2 Acquired: 11/20/2012 18:56:27 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1452.9	16334.	1506.4
Stddev	9.7	4.	6.1
%RSD	.66508	.02275	.40415

Sample Name: 460-47214-A-1-D MS@4 Acquired: 11/20/2012 19:00:10 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35480.	998.7	22.97	1070.	26.33	18320.	23.32	257.3	146.7
Stddev	78.	5.4	.15	3.	.50	60.	.09	1.7	2.1
%RSD	.2208	.5456	.6350	.2365	1.909	.3252	.3956	.6463	1.443

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	147.5	59230.	13000.	12600.	803.6	10000.	262.7	286.3	169.5
Stddev	.5	338.	32.	99.	2.5	17.	2.2	.8	1.9
%RSD	.3132	.5701	.2450	.7844	.3149	.1662	.8415	.2944	1.121

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	905.4	1029.	442.5	318.3	238.9	232.7	243.2	307.0	461.6
Stddev	6.9	2.	1.7	1.9	.7	.8	2.4	.8	5.3
%RSD	.7641	.1471	.3933	.6009	.2744	.3332	.9954	.2735	1.139

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	2484.
Stddev	50.
%RSD	2.007

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47214-A-1-D MS@4 Acquired: 11/20/2012 19:00:10 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1461.9	16390.	1538.2
Stddev	2.5	61.	6.5
%RSD	.16851	.37094	.41934

Sample Name: pds 460-47214-A-1-B@ Acquired: 11/20/2012 19:03:44 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26520.	1901.	42.84	1984.	49.04	28870.	45.41	485.0	253.0
Stddev	155.	1.	.67	2.	.19	100.	.32	1.3	1.3
%RSD	.5827	.0745	1.554	.0915	.3899	.3449	.7038	.2695	.5250

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	262.6	71990.	21240.	20640.	1190.	19090.	488.3	510.6	439.3
Stddev	2.7	392.	106.	146.	9.	72.	1.2	2.1	2.2
%RSD	1.013	.5450	.4999	.7049	.7898	.3755	.2451	.4078	.5002

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1766.	1968.	687.7	555.5	461.8	454.6	473.5	531.8	700.9
Stddev	7.	2.	4.0	1.0	1.0	.4	.4	2.7	4.5
%RSD	.3702	.1263	.5788	.1857	.2070	.0866	.0788	.5154	.6431

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1506.
Stddev	14.
%RSD	.9379

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: pds 460-47214-A-1-B@ Acquired: 11/20/2012 19:03:44 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1440.1	16197.	1523.6
Stddev	1.8	124.	3.2
%RSD	.12212	.76839	.21182

Sample Name: CCV Acquired: 11/20/2012 19:07:15 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125000.	2473.	1236.	10080.	1002.	126100.
Stddev	1405.	17.	5.	45.	10.	1350.
%RSD	1.124	.6714	.4092	.4469	1.029	1.070

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1257.	2507.	5004.	12370.	100500.	49820.
Stddev	5.	12.	16.	43.	237.	471.
%RSD	.3585	.4928	.3209	.3462	.2362	.9456

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124300.	5009.	125100.	2510.	7558.	982.5
Stddev	402.	17.	1335.	8.	28.	8.1
%RSD	.3233	.3477	1.067	.3358	.3713	.8203

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2481.	2523.	2500.	2517.	998.9	2503.
Stddev	3.	14.	8.	10.	2.0	4.
%RSD	.1123	.5391	.3325	.3913	.1983	.1598

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/20/2012 19:07:15 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1001.	4978.	10010.	9850.
Stddev	3.	53.	109.	82.
%RSD	.3332	1.064	1.087	.8374

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1314.8	14850.	1438.3
Stddev	6.7	32.	12.7
%RSD	.51123	.21416	.88607

Sample Name: CCB Acquired: 11/20/2012 19:10:40 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.124	-.1476	.0619	.3892	.0278	14.45
Stddev	14.07	.5335	.2756	.3822	.3290	16.94
%RSD	341.2	361.4	445.1	98.19	1183.	117.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0294	.2556	-.6062	.0806	24.33	-28.98
Stddev	.0505	.4918	.4178	.4311	21.61	87.02
%RSD	171.9	192.4	68.93	534.8	88.79	300.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.666	.3109	41.46	.0257	.9412	1.388
Stddev	9.993	.3250	9.86	.3248	1.068	.202
%RSD	374.9	104.5	23.78	1264.	113.4	14.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.743	4.949	.0683	.4541	2.983	5.470
Stddev	4.870	.636	.7428	.4512	1.069	3.737
%RSD	279.4	12.86	1087.	99.36	35.82	68.32

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/20/2012 19:10:40 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.631	.4358	.3274	-7.777
Stddev	.825	.3573	2.098	21.42
%RSD	50.56	82.00	640.6	275.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1419.1	16065.	1474.0
Stddev	1.5	58.	7.5
%RSD	.10636	.36123	.50925

Sample Name: 460-47214-A-2-B@4 Acquired: 11/20/2012 19:14:28 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17870.	123.3	-1.160	47.70	.9553	916.3	-.8598	10.41	35.15
Stddev	224.	1.5	.088	.17	.1970	16.0	.0367	.48	.34
%RSD	1.253	1.196	7.550	.3532	20.62	1.749	4.263	4.606	.9648

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.17	64330.	3105.	1289.	377.1	666.5	4.477	30.97	-1.634
Stddev	.39	140.	81.	10.	.7	17.6	.188	2.60	.669
%RSD	3.172	.2180	2.612	.7548	.1757	2.641	4.197	8.402	40.93

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.500	.8667	241.1	24.38	34.67	2.620	2.909	19.54	211.7
Stddev	1.658	3.303	.8	.17	.95	.550	2.090	.30	4.2
%RSD	110.5	381.1	.3458	.7111	2.732	21.00	71.82	1.535	1.991

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1901.
Stddev	29.
%RSD	1.505

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47214-A-2-B@4 Acquired: 11/20/2012 19:14:28 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1441.2	16377.	1516.2
Stddev	4.3	52.	9.7
%RSD	.29691	.31461	.64028

Sample Name: 460-47198-A-2-G@4 Acquired: 11/20/2012 19:18:10 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30040.	12.92	-1.204	130.9	1.091	9671.	.1112	23.62	61.74
Stddev	215.	2.54	1.196	.7	.127	75.	.1315	.46	.57
%RSD	.7144	19.67	99.35	.5491	11.65	.7727	118.2	1.946	.9162

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	85.84	64270.	1791.	7608.	1102.	366.7	40.38	101.6	-2.607
Stddev	.35	68.	62.	13.	2.	26.6	.08	1.8	3.322
%RSD	.4120	.1053	3.466	.1684	.1743	7.248	.2061	1.799	127.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8543	-1.457	75.05	238.3	34.62	1.768	4.152	41.54	682.5
Stddev	4.539	1.086	.61	.4	.71	.567	.846	.28	3.1
%RSD	531.3	74.56	.8113	.1756	2.060	32.08	20.37	.6658	.4570

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1496.
Stddev	35.
%RSD	2.342

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47198-A-2-G@4 Acquired: 11/20/2012 19:18:10 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1422.1	16138.	1505.3
Stddev	7.2	62.	10.0
%RSD	.50479	.38275	.66732

Sample Name: 460-47179-D-2-C@4 Acquired: 11/20/2012 19:21:49 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26170.	43.19	-.8684	401.6	1.187	58840.	-.8172	37.87
Stddev	44.	1.94	.5342	5.1	.111	171.	.1269	.69
%RSD	.1666	4.498	61.51	1.259	9.377	.2913	15.52	1.826

Check ? **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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	102.4	281.4	170800.	2724.	11700.	1507.	1615.	100.6
Stddev	.7	.3	343.	128.	41.	3.	30.	.3
%RSD	.7159	.1032	.2006	4.710	.3500	.1719	1.832	.3297

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1087.	2.259	1.367	1.124	84.15	888.0	41.63	6.674
Stddev	6.	5.000	1.923	3.773	.45	4.8	1.59	.449
%RSD	.5819	221.3	140.7	335.8	.5376	.5386	3.824	6.721

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	53.64	203.6	873.8	1705.
Stddev	.99	.3	4.7	32.
%RSD	1.844	.1321	.5404	1.880

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47179-D-2-C@4 Acquired: 11/20/2012 19:21:49 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1404.5	15949.	1500.5
Stddev	7.2	74.	4.3
%RSD	.51182	.46276	.28679

Sample Name: 460-47210-E-1-B@4 Acquired: 11/20/2012 19:25:24 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46810.	23.52	-1.956	175.2	3.201	10080.	.2391	29.50	94.96
Stddev	130.	1.98	.562	.7	.277	65.	.3134	.34	.36
%RSD	.2786	8.399	28.71	.4077	8.638	.6484	131.1	1.166	.3766

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	82.25	66280.	6074.	15730.	758.1	1723.	67.86	112.7	-3.656
Stddev	.72	335.	69.	45.	2.1	17.	.35	2.3	.370
%RSD	.8794	.5049	1.130	.2834	.2830	.9862	.5134	2.072	10.13

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5913	.9232	122.0	287.6	40.70	4.753	2.331	70.85	1206.
Stddev	7.055	1.689	.8	.9	.63	.472	.777	.66	1.
%RSD	1193.	183.0	.6154	.3025	1.555	9.922	33.33	.9363	.0738

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1696.
Stddev	18.
%RSD	1.053

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47210-E-1-B@4 Acquired: 11/20/2012 19:25:24 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1481.5	16838.	1576.6
Stddev	9.2	54.	2.4
%RSD	.62264	.32020	.15147

Sample Name: 460-47270-A-1-A@4 Acquired: 11/20/2012 19:29:04 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49850.	55.96	-.3342	756.5	1.928	73980.	-.1910	37.10	304.6
Stddev	354.	2.96	.7338	3.2	.396	383.	.0549	.51	1.2
%RSD	.7095	5.289	219.6	.4236	20.55	.5175	28.76	1.365	.3945

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	175.0	87960.	11390.	28870.	1263.	848.3	110.7	491.8	-1.933
Stddev	1.6	260.	35.	56.	2.	13.2	.7	4.0	.887
%RSD	.9130	.2955	.3032	.1952	.1331	1.551	.5922	.8229	45.88

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.927	-.7731	150.0	430.2	41.40	2.502	20.68	214.4	2659.
Stddev	1.024	.5287	2.2	1.3	.82	.359	.52	1.5	13.
%RSD	34.98	68.38	1.447	.2997	1.976	14.34	2.534	.6951	.4957

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	3302.
Stddev	13.
%RSD	.4067

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47270-A-1-A@4 Acquired: 11/20/2012 19:29:04 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1397.6	15944.	1515.7
Stddev	4.1	33.	8.0
%RSD	.29075	.20502	.52673

Sample Name: 460-47271-A-1-A@4 Acquired: 11/20/2012 19:32:39 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40870.	117.9	-8137	1856.	1.533	46420.	-.0571	32.07	840.4
Stddev	188.	3.0	1.161	4.	.226	250.	.0078	.08	5.1
%RSD	.4590	2.576	142.7	.2101	14.76	.5384	13.61	.2348	.6076

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	257.5	91660.	5021.	18510.	1072.	569.5	77.94	1104.	-3.079
Stddev	.4	377.	120.	73.	3.	31.5	.56	3.	1.194
%RSD	.1656	.4116	2.379	.3934	.2777	5.532	.7163	.2699	38.80

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.178	.9162	139.1	553.5	36.21	3.367	236.5	153.2	1667.
Stddev	1.481	.9742	1.9	1.1	1.16	.144	.9	1.1	7.
%RSD	68.00	106.3	1.349	.2040	3.211	4.291	.3734	.6920	.4234

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	2233.
Stddev	33.
%RSD	1.459

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47271-A-1-A@4 Acquired: 11/20/2012 19:32:39 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1412.3	16040.	1520.7
Stddev	3.3	96.	15.1
%RSD	.23518	.59944	.99176

Sample Name: 460-47234-A-1-E@4 Acquired: 11/20/2012 19:36:15 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29570.	15.82	-5703	261.5	1.272	39400.	1.534	30.60	91.72
Stddev	123.	2.68	.8567	.7	.066	35.	.199	.29	1.18
%RSD	.4162	16.96	150.2	.2732	5.224	.0896	12.97	.9360	1.288

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	233.1	89730.	4228.	19820.	1542.	2747.	78.67	461.8	-.1642
Stddev	.4	403.	69.	131.	6.	5.	.79	1.7	1.419
%RSD	.1735	.4496	1.623	.6599	.4130	.1680	1.001	.3724	864.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.696	1.861	114.5	360.5	71.54	2.985	17.71	175.7	1519.
Stddev	6.262	1.593	.2	1.2	1.04	.272	1.38	.8	11.
%RSD	232.2	85.60	.1605	.3390	1.458	9.118	7.781	.4595	.7167

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1497.
Stddev	13.
%RSD	.8909

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47234-A-1-E@4 Acquired: 11/20/2012 19:36:15 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1418.5	16245.	1518.1
Stddev	3.8	77.	.4
%RSD	.26987	.47286	.02958

Sample Name: 460-47234-A-2-C@4 Acquired: 11/20/2012 19:39:52 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23630.	20.52	-1.952	143.4	1.076	210500.	1.028	32.21
Stddev	125.	2.62	.5579	.4	.270	1314.	.068	.42
%RSD	.5308	12.75	285.8	.2623	25.05	.6241	6.566	1.319

Check ? **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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124.7	186.8	84180.	3032.	23270.	1634.	4331.	99.45
Stddev	.1	1.4	391.	48.	136.	9.	20.	.78
%RSD	.0452	.7576	.4649	1.591	.5856	.5722	.4576	.7849

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	302.1	.9455	-2.824	-.8579	152.0	633.9	60.46	4.845
Stddev	.6	2.545	6.453	1.088	.7	.8	.78	.299
%RSD	.2133	269.2	228.5	126.8	.4438	.1221	1.289	6.177

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	12.03	234.0	1572.	1623.
Stddev	1.65	2.5	8.	28.
%RSD	13.71	1.049	.5006	1.744

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47234-A-2-C@4 Acquired: 11/20/2012 19:39:52 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1379.2	15763.	1512.2
Stddev	1.3	84.	6.9
%RSD	.09154	.53550	.45512

Sample Name: 460-47234-A-3-C@4 Acquired: 11/20/2012 19:43:29 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32330.	16.77	-6001	201.0	1.229	210600.	.3358	31.17
Stddev	58.	1.47	.2146	1.6	.094	496.	.1318	.36
%RSD	.1782	8.771	35.76	.7725	7.645	.2355	39.25	1.146

Check ? **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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	92.02	142.1	83290.	3890.	25120.	2045.	3745.	80.15
Stddev	.47	.7	193.	86.	35.	4.	20.	.75
%RSD	.5058	.4950	.2311	2.214	.1399	.1945	.5390	.9388

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	198.1	2.429	-2.898	-2.566	131.4	480.1	56.49	2.564
Stddev	1.8	3.985	1.056	1.123	.4	3.8	.38	.336
%RSD	.9062	164.0	36.45	43.75	.2690	.7932	.6808	13.10

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.43	206.3	1577.	1944.
Stddev	.84	.2	6.	9.
%RSD	6.262	.0745	.3675	.4850

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47234-A-3-C@4 Acquired: 11/20/2012 19:43:29 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1395.4	15854.	1527.4
Stddev	10.4	44.	9.9
%RSD	.74370	.27831	.64837

Sample Name: 460-47234-A-4-C@4 Acquired: 11/20/2012 19:47:07 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	55140.	14.14	-.7254	585.1	1.647	43450.	.7249	50.60
Stddev	265.	1.05	1.320	3.4	.118	157.	.1855	.79
%RSD	.4804	7.407	181.9	.5834	7.196	.3613	25.59	1.552

Check ? **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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	259.0	187.8	104000.	17750.	32800.	1636.	4219.	187.6
Stddev	1.0	1.3	523.	35.	223.	8.	44.	1.0
%RSD	.4029	.6955	.5027	.1972	.6793	.4781	1.051	.5153

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	298.9	-6.485	.1878	1.408	164.7	504.6	61.17	1.692
Stddev	3.6	1.648	7.480	1.052	.7	3.2	.83	.245
%RSD	1.204	25.41	3984.	74.73	.4109	.6416	1.353	14.49

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	8.175	151.6	4054.	1872.
Stddev	1.105	.5	23.	14.
%RSD	13.51	.3262	.5667	.7324

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47234-A-4-C@4 Acquired: 11/20/2012 19:47:07 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1429.6	16255.	1539.1
Stddev	3.6	110.	9.4
%RSD	.25442	.67581	.61184

Sample Name: CCV Acquired: 11/20/2012 19:50:45 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124700.	2471.	1237.	10130.	1009.	127300.
Stddev	901.	10.	5.	69.	8.	999.
%RSD	.7228	.4070	.4074	.6782	.7828	.7850

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1259.	2510.	4971.	12380.	100000.	49990.
Stddev	9.	16.	23.	19.	275.	390.
%RSD	.7137	.6255	.4566	.1496	.2751	.7809

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122900.	4997.	124900.	2512.	7581.	989.5
Stddev	547.	15.	981.	15.	49.	7.2
%RSD	.4452	.2984	.7852	.6142	.6523	.7307

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2475.	2539.	2488.	2523.	997.3	2518.
Stddev	12.	14.	10.	19.	1.9	9.
%RSD	.4824	.5484	.3952	.7645	.1945	.3545

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/20/2012 19:50:45 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1003.	4998.	9958.	9832.
Stddev	6.	35.	76.	55.
%RSD	.6070	.7074	.7621	.5575

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1315.7	15000.	1443.8
Stddev	6.6	57.	9.7
%RSD	.50134	.37718	.66960

Sample Name: CCB Acquired: 11/20/2012 19:54:07 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.06	-1.088	.1754	.3734	-.1489	16.03
Stddev	20.55	1.989	.7247	.3347	.2127	22.40
%RSD	113.8	182.8	413.1	89.64	142.9	139.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0459	.2684	.2923	.2751	6.676	30.30
Stddev	.1013	.1621	.1998	1.062	17.06	65.97
%RSD	220.9	60.40	68.33	386.0	255.5	217.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.961	.2396	26.39	.1882	1.356	-1.727
Stddev	5.328	.3130	22.53	.3545	1.455	2.685
%RSD	76.55	130.6	85.39	188.4	107.3	155.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.323	2.044	.3000	.3399	1.446	5.432
Stddev	.899	1.966	.1743	.0341	.945	3.960
%RSD	20.81	96.22	58.10	10.03	65.35	72.90

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/20/2012 19:54:07 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6055	.7167	-1.261	-.8770
Stddev	.5857	.5585	2.463	17.97
%RSD	96.73	77.93	195.2	2049.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1415.7	16155.	1474.0
Stddev	8.6	43.	13.7
%RSD	.60416	.26639	.92915

Sample Name: 460-47234-A-5-C@4 Acquired: 11/20/2012 19:57:55 Type: Unk

Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30910.	17.05	1.280	361.4	1.353	F 285200.	1.156
Stddev	281.	5.55	.686	.6	.535	2641.	.091
%RSD	.9080	32.54	53.59	.1620	39.56	.9263	7.874

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						250000.	
Low Limit						-5000.	

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.88	176.1	132.8	74180.	5888.	143000.	993.6
Stddev	.30	1.6	.5	326.	33.	721.	3.3
%RSD	1.265	.8923	.3629	.4391	.5638	.5039	.3346

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4535.	79.19	314.2	1.094	-3.494	-2.164	111.4
Stddev	34.	1.40	.6	.577	6.447	1.842	1.1
%RSD	.7475	1.763	.1764	52.71	184.5	85.13	1.007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	553.7	61.41	3.927	11.31	392.5	1433.	2283.
Stddev	1.0	.47	.440	.42	3.4	17.	15.
%RSD	.1859	.7728	11.21	3.701	.8572	1.173	.6566

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47234-A-5-C@4 Acquired: 11/20/2012 19:57:55 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1345.5	15313.	1493.1
Stddev	7.0	126.	9.5
%RSD	.52031	.82231	.63550

Sample Name: mb 460-136318/1-a@2 Acquired: 11/20/2012 20:01:32 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-37.97	-.9595	.4777	-.1231	-.1394	26.42
Stddev	9.86	1.171	.8270	.1366	.1283	38.80
%RSD	25.95	122.0	173.1	110.9	92.02	146.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1937	.5224	-.4878	-.7380	-8.664	-48.45
Stddev	.1658	.4016	.6018	.2229	21.16	22.57
%RSD	85.61	76.87	123.4	30.21	244.3	46.58

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.319	.0411	43.43	-.0775	1.686	-1.626
Stddev	11.74	.1318	6.38	.3228	2.832	1.024
%RSD	141.2	320.3	14.69	416.6	168.0	62.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3806	1.439	.6744	.1727	.3540	.8178
Stddev	7.555	2.029	.2048	.2881	1.251	.3840
%RSD	1985.	141.0	30.36	166.8	353.3	46.96

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-136318/1-a@2 Acquired: 11/20/2012 20:01:32 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.309	.0419	-1.076	-2.830
Stddev	.744	.3378	1.717	19.05
%RSD	56.85	806.0	159.6	673.1

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1421.6	16224.	1463.9
Stddev	2.8	55.	5.8
%RSD	.19523	.34108	.39616

Sample Name: lcssrm 460-136318/2- Acquired: 11/20/2012 20:05:18 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33320.	816.6	204.0	1052.	537.3	35540.
Stddev	102.	2.6	2.0	3.	4.3	257.
%RSD	.3071	.3231	1.002	.3075	.7945	.7230

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	509.1	668.1	582.4	567.0	62790.	13770.
Stddev	1.2	2.4	1.7	2.7	156.	89.
%RSD	.2358	.3539	.2903	.4780	.2477	.6433

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12080.	1662.	1564.	356.7	392.0	1036.
Stddev	31.	9.	33.	1.4	1.0	1.
%RSD	.2575	.5653	2.083	.3979	.2601	.1419

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	596.5	1112.	421.2	1365.	404.1	331.3
Stddev	1.6	5.	.1	4.	1.7	1.4
%RSD	.2703	.4590	.0353	.2687	.4194	.4189

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-136318/2- Acquired: 11/20/2012 20:05:18 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	739.5	639.5	959.0	F 2416.
Stddev	1.9	5.6	5.8	34.
%RSD	.2597	.8782	.6096	1.392

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				81000.
Low Limit				24200.

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1443.6	16518.	1547.7
Stddev	4.1	88.	15.2
%RSD	.28596	.53280	.98028

Sample Name: 460-47205-A-10-B DU@ Acquired: 11/20/2012 20:08:47 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50790.	12.27	-7134	94.99	1.281	7393.	-.9818	15.67	77.63
Stddev	444.	1.65	.6811	.40	.242	39.	.1288	.27	.16
%RSD	.8739	13.41	95.47	.4231	18.89	.5251	13.12	1.743	.2028

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	86.08	83810.	3032.	10040.	516.9	2717.	32.75	34.67	-4.811
Stddev	.65	68.	21.	24.	1.7	25.	.35	.47	2.612
%RSD	.7501	.0807	.6937	.2435	.3263	.9252	1.082	1.367	54.29

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.030	3.500	185.2	79.81	14.83	1.534	1.821	32.45	2378.
Stddev	2.290	3.205	.5	.24	1.11	.479	.978	.21	16.
%RSD	222.4	91.59	.2713	.3033	7.508	31.21	53.69	.6478	.6934

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1082.
Stddev	29.
%RSD	2.680

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47205-A-10-B DU@ Acquired: 11/20/2012 20:08:47 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1437.0	16306.	1514.9
Stddev	8.0	37.	9.9
%RSD	.55568	.22955	.65222

Sample Name: 460-47205-A-10-A@4 Acquired: 11/20/2012 20:12:27 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50840.	16.27	-9821	94.78	1.242	7418.	-9355	15.51	77.60
Stddev	259.	2.15	1.388	.41	.065	39.	.1340	.28	.69
%RSD	.5085	13.23	141.3	.4342	5.239	.5283	14.32	1.805	.8902

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	86.77	84030.	2956.	10050.	520.8	2713.	32.22	33.99	-3.338
Stddev	.45	373.	45.	30.	2.1	14.	.35	1.81	6.607
%RSD	.5134	.4439	1.537	.2999	.4015	.5190	1.083	5.323	197.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6950	.5357	186.0	79.67	15.78	1.306	1.159	32.38	2394.
Stddev	6.759	.4877	1.5	.33	.63	.208	.869	.33	16.
%RSD	972.4	91.03	.7993	.4086	4.016	15.91	74.98	1.020	.6681

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1076.
Stddev	18.
%RSD	1.662

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47205-A-10-A@4 Acquired: 11/20/2012 20:12:27 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1431.6	16176.	1508.8
Stddev	2.2	22.	3.8
%RSD	.15020	.13670	.25395

Sample Name: sd 460-47205-A-10-A@ Acquired: 11/20/2012 20:16:07 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10230.	2.433	-.6561	19.12	.3122	1478.	-.1998	3.354	15.48
Stddev	49.	1.120	.6077	.22	.1386	14.	.0978	.239	.35
%RSD	.4804	46.02	92.62	1.137	44.38	.9273	48.95	7.140	2.288

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.46	16950.	588.0	2034.	104.3	534.5	6.622	7.208	.2069
Stddev	.96	50.	69.9	17.	.6	19.3	.413	1.047	.6394
%RSD	5.820	.2956	11.88	.8350	.6219	3.606	6.232	14.52	309.0

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.014	.9207	36.26	16.38	3.935	.6288	1.014	6.466	470.5
Stddev	2.251	1.490	.29	.20	1.248	.5990	.313	.078	4.4
%RSD	74.67	161.8	.7923	1.212	31.71	95.26	30.84	1.206	.9287

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	194.8
Stddev	29.7
%RSD	15.25

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: sd 460-47205-A-10-A@ Acquired: 11/20/2012 20:16:07 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1414.6	16268.	1479.7
Stddev	2.7	85.	9.5
%RSD	.18968	.52363	.64248

Sample Name: 460-47205-A-10-C MS@ Acquired: 11/20/2012 20:19:50 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58660.	957.1	22.93	1126.	26.26	15530.	23.97	267.3	184.4
Stddev	39.	4.9	.30	11.	.40	70.	.23	1.8	.7
%RSD	.0669	.5149	1.303	.9595	1.525	.4534	.9478	.6654	.3750

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	220.6	93940.	13780.	21920.	712.2	12720.	292.6	287.8	146.1
Stddev	1.9	351.	59.	67.	.6	63.	2.3	.9	1.3
%RSD	.8751	.3734	.4299	.3063	.0801	.4912	.7919	.3236	.8615

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	935.4	1049.	450.7	335.5	248.4	242.3	248.8	276.2	2953.
Stddev	9.7	4.	3.7	3.2	.6	2.5	1.1	1.9	7.
%RSD	1.039	.3502	.8269	.9667	.2302	1.016	.4526	.6832	.2447

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1479.
Stddev	22.
%RSD	1.505

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47205-A-10-C MS@ Acquired: 11/20/2012 20:19:50 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1414.9	16059.	1517.3
Stddev	11.2	103.	3.0
%RSD	.79041	.63976	.19800

Sample Name: pds 460-47205-A-10-A Acquired: 11/20/2012 20:23:22 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51770.	1822.	43.06	2016.	48.95	27110.	46.61	490.1	266.2
Stddev	214.	8.	.82	4.	.37	173.	.26	2.1	2.8
%RSD	.4135	.4340	1.894	.1741	.7613	.6374	.5665	.4304	1.053

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	316.4	83090.	21890.	28240.	977.4	21800.	512.9	513.5	444.6
Stddev	1.0	381.	91.	173.	3.8	84.	1.5	.9	4.4
%RSD	.3057	.4582	.4173	.6109	.3908	.3831	.2930	.1662	.9960

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1796.	1979.	647.1	551.2	465.0	464.3	478.7	491.7	2820.
Stddev	6.	5.	3.4	1.9	1.1	.6	4.7	2.8	17.
%RSD	.3148	.2287	.5247	.3382	.2284	.1383	.9904	.5703	.6002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1096.
Stddev	18.
%RSD	1.628

Check ? Chk Pass
High Limit
Low Limit

Sample Name: pds 460-47205-A-10-A Acquired: 11/20/2012 20:23:22 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1406.3	16023.	1505.8
Stddev	.8	66.	2.9
%RSD	.05748	.41157	.18935

Sample Name: 460-47205-A-1-A@4 Acquired: 11/20/2012 20:26:50 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	79610.	14.63	-1.630	157.8	1.991	6840.	-.7778	49.11	86.34
Stddev	139.	2.85	.200	.3	.130	29.	.1917	.27	.29
%RSD	.1742	19.47	12.26	.1880	6.523	.4251	24.65	.5459	.3373

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121.9	97930.	4494.	15300.	1323.	1229.	52.06	35.78	-1.296
Stddev	1.5	124.	14.	9.	2.	7.	.15	1.52	1.340
%RSD	1.229	.1263	.3075	.0584	.1187	.5341	.2807	4.237	103.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.434	-1.881	246.6	140.7	33.39	.9554	.0785	49.93	3359.
Stddev	2.778	4.582	1.0	.7	1.28	.4229	1.117	.14	9.
%RSD	193.7	243.6	.4243	.4866	3.838	44.27	1422.	.2817	.2823

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1636.
Stddev	34.
%RSD	2.091

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47205-A-1-A@4 Acquired: 11/20/2012 20:26:50 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1399.7	16112.	1523.0
Stddev	3.5	16.	10.9
%RSD	.25208	.09984	.71587

Sample Name: 460-47205-A-2-A@4 Acquired: 11/20/2012 20:30:28 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	61440.	15.11	-1.466	169.0	2.036	14010.	-.5979	36.69	77.48
Stddev	487.	3.71	1.040	1.9	.408	169.	.1789	.71	.17
%RSD	.7933	24.57	70.95	1.113	20.02	1.206	29.91	1.940	.2206

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	172.5	85800.	3642.	11890.	1245.	1111.	45.36	42.44	-1.490
Stddev	1.1	602.	134.	71.	12.	8.	.37	1.69	1.382
%RSD	.6400	.7021	3.686	.5936	.9860	.7073	.8125	3.975	92.73

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.522	-2.218	207.6	124.9	36.71	5.018	.9305	44.84	3347.
Stddev	2.246	2.613	1.9	1.6	.76	.116	1.800	.50	21.
%RSD	147.6	117.8	.9100	1.265	2.065	2.319	193.4	1.123	.6136

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	2160.
Stddev	2.
%RSD	.0786

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47205-A-2-A@4 Acquired: 11/20/2012 20:30:28 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1440.2	16536.	1556.5
Stddev	12.6	75.	13.1
%RSD	.87246	.45391	.84140

Sample Name: CCV Acquired: 11/20/2012 20:34:10 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124400.	2481.	1237.	10140.	991.2	125900.
Stddev	760.	16.	5.	65.	1.5	324.
%RSD	.6106	.6415	.3997	.6380	.1529	.2577

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1263.	2514.	5005.	12320.	100400.	49420.
Stddev	7.	12.	21.	32.	397.	108.
%RSD	.5932	.4847	.4117	.2587	.3951	.2180

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123800.	4992.	124200.	2515.	7586.	984.4
Stddev	679.	18.	616.	12.	49.	11.5
%RSD	.5487	.3587	.4958	.4808	.6468	1.171

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2477.	2521.	2501.	2530.	997.9	2516.
Stddev	12.	12.	11.	12.	3.1	20.
%RSD	.4793	.4862	.4315	.4867	.3147	.8116

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/20/2012 20:34:10 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1003.	4926.	9902.	9793.
Stddev	5.	5.	35.	60.
%RSD	.5206	.1050	.3490	.6162

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1315.5	14972.	1456.8
Stddev	8.5	47.	1.1
%RSD	.64386	.31519	.07615

Sample Name: CCB Acquired: 11/20/2012 20:37:36 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.54	1.032	-.7325	.2122	.0403	-4.163
Stddev	8.33	1.344	.9661	.5598	.1335	17.16
%RSD	79.00	130.3	131.9	263.8	331.5	412.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0420	.2632	-.0032	.3641	3.402	42.71
Stddev	.0204	.5790	.6285	.2940	17.59	47.54
%RSD	48.49	220.0	19630.	80.75	517.1	111.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.093	.3522	-.9835	-.3803	.7759	-2.071
Stddev	12.47	.4647	34.36	.0976	1.123	2.279
%RSD	403.2	132.0	3494.	25.67	144.7	110.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.181	3.362	.5164	.2637	1.981	5.788
Stddev	3.147	1.369	.5289	.1522	1.010	4.137
%RSD	144.3	40.71	102.4	57.70	50.95	71.48

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/20/2012 20:37:36 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1440	.6417	.3350	15.98
Stddev	1.044	.5783	.2531	22.51
%RSD	724.7	90.12	75.54	140.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1398.3	16121.	1470.8
Stddev	3.1	62.	5.3
%RSD	.21831	.38373	.35951

Sample Name: 460-47205-A-3-A@4 Acquired: 11/20/2012 20:41:23 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	81200.	18.94	-1.483	238.2	1.663	4617.	-.9244	24.62	89.01
Stddev	1540.	1.58	.590	2.3	.229	54.	.1923	.62	.92
%RSD	1.896	8.341	39.80	.9670	13.80	1.169	20.80	2.531	1.032

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126.0	96510.	2949.	12900.	774.2	1193.	53.95	37.89	-4.039
Stddev	1.3	789.	100.	146.	9.2	24.	.76	.42	1.923
%RSD	1.013	.8177	3.379	1.130	1.190	2.047	1.403	1.104	47.60

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.201	1.690	192.5	120.1	33.41	2.501	2.197	26.75	3298.
Stddev	.401	1.733	2.1	1.1	.34	.673	.549	.62	58.
%RSD	18.20	102.6	1.108	.9117	1.006	26.93	24.99	2.326	1.769

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1821.
Stddev	21.
%RSD	1.156

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47205-A-3-A@4 Acquired: 11/20/2012 20:41:23 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1387.6	15899.	1489.0
Stddev	13.4	49.	13.3
%RSD	.96685	.31093	.89254

Sample Name: 460-47205-A-4-A@4 Acquired: 11/20/2012 20:45:03 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43660.	14.62	-1.160	156.9	2.100	7468.	-.6606	34.40	76.30
Stddev	308.	1.88	.540	1.1	.048	49.	.3123	.66	.72
%RSD	.7061	12.83	46.53	.6887	2.263	.6588	47.26	1.923	.9478

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	96.98	78380.	6170.	15060.	2558.	943.8	50.01	28.75	-5.034
Stddev	2.32	804.	81.	152.	29.	30.4	.23	1.46	.352
%RSD	2.392	1.025	1.315	1.007	1.131	3.217	.4517	5.086	6.995

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.477	-.7327	178.1	128.9	30.59	-.0492	1.751	23.56	2913.
Stddev	1.511	1.635	.4	.9	.83	.0474	.552	.28	8.
%RSD	43.45	223.2	.2110	.6837	2.717	96.23	31.55	1.187	.2655

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1646.
Stddev	12.
%RSD	.7076

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47205-A-4-A@4 Acquired: 11/20/2012 20:45:03 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1447.9	16515.	1541.1
Stddev	3.5	102.	4.8
%RSD	.24269	.61735	.30971

Sample Name: 460-47205-A-5-A@4 Acquired: 11/20/2012 20:48:42 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	60730.	13.75	-.9783	205.2	1.787	7156.	-.6521	30.44	63.58
Stddev	547.	3.23	.2904	3.7	.347	52.	.2022	.38	.87
%RSD	.9000	23.49	29.69	1.808	19.43	.7329	31.02	1.236	1.369

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	99.18	73130.	3610.	11500.	1705.	1288.	40.58	32.42	-4.047
Stddev	.95	1021.	36.	151.	20.	25.	.15	1.86	2.586
%RSD	.9627	1.396	.9994	1.313	1.194	1.934	.3658	5.725	63.91

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.870	-1.859	161.9	106.1	26.01	.7745	2.177	34.14	3185.
Stddev	6.914	2.306	3.2	1.5	1.23	.0894	1.304	.20	18.
%RSD	240.9	124.1	1.978	1.450	4.731	11.54	59.89	.5755	.5679

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	2159.
Stddev	43.
%RSD	2.002

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47205-A-5-A@4 Acquired: 11/20/2012 20:48:42 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1393.1	16056.	1496.6
Stddev	18.3	128.	5.3
%RSD	1.3169	.79746	.35438

Sample Name: 460-47205-A-6-A@4 Acquired: 11/20/2012 20:52:22 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	73270.	14.22	-9653	193.1	2.725	7395.	-8223	47.84	95.09
Stddev	1142.	4.25	.4946	.8	.062	105.	.1795	.46	2.44
%RSD	1.558	29.85	51.24	.4161	2.280	1.417	21.83	.9678	2.567

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	129.6	87070.	3755.	13820.	1824.	1241.	49.55	36.79	-6.887
Stddev	1.8	1612.	26.	267.	31.	9.	.42	2.27	2.238
%RSD	1.376	1.851	.6886	1.935	1.714	.7082	.8553	6.168	32.50

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.274	-2.633	205.7	116.5	26.02	.4791	1.197	35.78	3527.
Stddev	1.514	2.226	4.3	1.1	.75	.5436	.847	.50	59.
%RSD	118.9	84.55	2.081	.9362	2.896	113.4	70.78	1.406	1.672

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1985.
Stddev	54.
%RSD	2.722

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47205-A-6-A@4 Acquired: 11/20/2012 20:52:22 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1419.4	16277.	1530.5
Stddev	3.0	144.	8.2
%RSD	.20845	.88536	.53691

Sample Name: 460-47205-A-7-A@4 Acquired: 11/20/2012 20:56:03 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	71310.	21.84	-1.181	163.6	1.961	5617.	-1.199	33.02
Stddev	1694.	2.29	.218	1.2	.145	149.	.330	.44
%RSD	2.376	10.47	18.43	.7269	7.416	2.661	27.49	1.321

Check ? **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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	95.27	134.4	121900.	3679.	14200.	920.5	2860.	48.56
Stddev	2.48	3.5	2234.	96.	268.	19.9	72.	.27
%RSD	2.599	2.587	1.834	2.603	1.888	2.164	2.517	.5640

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40.15	-3.579	.0730	-2.924	258.0	115.6	26.63	1.365
Stddev	1.10	2.643	3.258	1.205	5.1	1.3	.46	.272
%RSD	2.735	73.86	4465.	41.22	1.981	1.155	1.720	19.93

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.265	53.12	3495.	2256.
Stddev	.633	1.35	83.	51.
%RSD	27.97	2.545	2.385	2.256

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47205-A-7-A@4 Acquired: 11/20/2012 20:56:03 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1391.0	16059.	1506.2
Stddev	9.4	165.	19.8
%RSD	.67863	1.0268	1.3126

Sample Name: 460-47205-A-8-A@4 Acquired: 11/20/2012 20:59:44 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	73710.	17.43	-1.760	213.1	2.821	9091.	-.5314	24.32	108.9
Stddev	753.	.64	.561	2.1	.252	114.	.1500	.36	1.8
%RSD	1.022	3.669	31.86	.9638	8.948	1.250	28.22	1.495	1.638

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	178.6	89310.	8037.	20900.	1872.	2164.	47.84	41.27	-7.883
Stddev	3.1	1374.	26.	316.	35.	54.	1.41	1.67	4.289
%RSD	1.744	1.538	.3221	1.512	1.861	2.477	2.952	4.033	54.41

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.097	-2.406	207.4	125.5	33.69	-.0691	.6799	51.96	4862.
Stddev	1.008	2.842	2.3	1.4	1.63	.3152	.6977	.61	61.
%RSD	48.07	118.1	1.120	1.141	4.846	456.4	102.6	1.165	1.251

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1870.
Stddev	45.
%RSD	2.395

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47205-A-8-A@4 Acquired: 11/20/2012 20:59:44 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1465.3	16643.	1556.5
Stddev	15.8	255.	9.3
%RSD	1.0759	1.5317	.59435

Sample Name: 460-47205-A-9-A@4 Acquired: 11/20/2012 21:03:24 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	63740.	16.21	-.8396	188.5	1.957	13540.	-.7554	41.04	107.2
Stddev	700.	2.01	1.402	2.5	.159	155.	.3284	.42	.9
%RSD	1.099	12.40	166.9	1.318	8.143	1.141	43.48	1.024	.8581

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	140.6	96150.	2842.	20890.	1449.	4776.	68.76	69.40	-2.007
Stddev	.9	490.	81.	117.	6.	57.	.38	1.21	1.501
%RSD	.6525	.5100	2.839	.5612	.3885	1.194	.5510	1.737	74.76

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.257	.2578	223.1	173.7	74.59	.4363	2.417	61.50	3221.
Stddev	2.236	1.064	1.0	2.2	.95	.2175	.844	.43	32.
%RSD	52.53	412.8	.4376	1.244	1.270	49.86	34.92	.6949	1.009

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1818.
Stddev	32.
%RSD	1.762

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47205-A-9-A@4 Acquired: 11/20/2012 21:03:24 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1412.9	16305.	1528.1
Stddev	14.1	145.	10.2
%RSD	1.0006	.89112	.66758

Sample Name: 460-47205-A-11-A@4 Acquired: 11/20/2012 21:07:02 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127100.	17.85	-1.805	456.4	4.189	31430.	-2.868
Stddev	484.	1.80	.308	7.7	.173	89.	.202
%RSD	.3809	10.08	17.08	1.691	4.123	.2827	7.045

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	119.5	145.0	337.7	F 275900.	3003.	107200.	4209.
Stddev	1.7	1.4	1.4	1439.	54.	519.	14.
%RSD	1.392	.9618	.4128	.5213	1.809	.4842	.3408

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				200000.			
Low Limit				-150.0			

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3610.	157.8	176.4	-3.629	-1.977	-1.293	908.1
Stddev	31.	1.7	2.8	1.501	.119	1.962	3.9
%RSD	.8498	1.086	1.581	41.36	6.027	151.7	.4317

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	446.2	31.36	-2.446	2.083	178.0	5181.	1782.
Stddev	5.8	1.05	.264	.917	1.2	22.	18.
%RSD	1.311	3.340	10.80	44.03	.6761	.4222	1.030

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47205-A-11-A@4 Acquired: 11/20/2012 21:07:02 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1470.1	16790.	1606.5
Stddev	9.4	30.	4.5
%RSD	.64157	.17989	.28072

Sample Name: 460-47205-A-12-A@4 Acquired: 11/20/2012 21:10:36 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64050.	22.24	-.8875	236.1	2.253	24980.	-.7974	45.64
Stddev	626.	.81	.5418	2.8	.205	306.	.2309	.19
%RSD	.9766	3.661	61.05	1.196	9.083	1.224	28.96	.4147

Check ? **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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	85.61	216.1	105000.	2811.	24020.	1553.	4189.	67.73
Stddev	1.10	1.0	239.	13.	62.	3.	92.	1.12
%RSD	1.281	.4658	.2272	.4489	.2582	.1913	2.207	1.646

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120.0	-2.683	-.1910	1.172	238.6	208.1	37.62	2.577
Stddev	1.6	2.983	4.148	1.901	1.3	1.8	.81	.445
%RSD	1.299	111.2	2171.	162.2	.5407	.8466	2.165	17.26

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.347	148.4	3195.	1652.
Stddev	1.348	1.7	34.	31.
%RSD	21.25	1.113	1.078	1.853

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47205-A-12-A@4 Acquired: 11/20/2012 21:10:36 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1437.1	16426.	1546.9
Stddev	14.8	35.	6.0
%RSD	1.0307	.21008	.38472

Sample Name: 460-47205-A-13-A@4 Acquired: 11/20/2012 21:14:14 Type: Unk
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58560.	13.23	-1.465	86.91	1.068	3004.	-.6587	23.19	77.48
Stddev	1186.	2.57	1.048	.88	.375	36.	.0868	.26	1.02
%RSD	2.025	19.43	71.51	1.018	35.13	1.189	13.18	1.137	1.317

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	109.8	71780.	3268.	14420.	730.0	2074.	43.15	32.99	-4.255
Stddev	.9	781.	64.	135.	5.2	36.	.01	1.33	1.882
%RSD	.8510	1.088	1.952	.9345	.7108	1.721	.0280	4.044	44.24

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.225	-.0375	144.2	118.7	27.28	.5591	1.619	9.568	3190.
Stddev	4.896	2.848	3.2	.6	.27	.7119	.849	.198	58.
%RSD	151.8	7598.	2.247	.4988	.9759	127.3	52.39	2.070	1.811

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1944.
Stddev	33.
%RSD	1.722

Check ? Chk Pass
 High Limit
 Low Limit

Sample Name: 460-47205-A-13-A@4 Acquired: 11/20/2012 21:14:14 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1406.1	16183.	1517.1
Stddev	2.1	91.	17.6
%RSD	.15190	.56092	1.1589

Sample Name: CCV Acquired: 11/20/2012 21:17:56 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125700.	2494.	1243.	10270.	993.2	126900.
Stddev	919.	9.	8.	81.	4.5	913.
%RSD	.7310	.3710	.6728	.7869	.4554	.7191

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1280.	2531.	5010.	12240.	100700.	49700.
Stddev	8.	13.	28.	26.	652.	306.
%RSD	.5942	.4963	.5601	.2129	.6478	.6147

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123400.	4971.	124900.	2530.	7669.	988.5
Stddev	314.	14.	558.	14.	43.	4.9
%RSD	.2547	.2768	.4467	.5457	.5574	.4965

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2504.	2549.	2511.	2554.	1002.	2551.
Stddev	7.	14.	13.	16.	1.	13.
%RSD	.2855	.5556	.5302	.6265	.1339	.5092

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/20/2012 21:17:56 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1007.	4926.	9926.	9785.
Stddev	7.	17.	31.	31.
%RSD	.7408	.3433	.3131	.3152

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1309.4	14954.	1444.5
Stddev	5.4	32.	7.8
%RSD	.41283	.21215	.53822

Sample Name: CCB Acquired: 11/20/2012 21:21:21 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.29	.9497	-.3408	.2394	.0532	5.562
Stddev	12.13	5.842	.4762	.2735	.1970	22.23
%RSD	107.4	615.1	139.7	114.3	370.3	399.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0457	.2801	.4063	-.2551	6.018	1.353
Stddev	.1415	.2254	.4228	.8269	4.568	59.61
%RSD	309.4	80.47	104.1	324.2	75.91	4404.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8311	.1556	-21.02	-.1909	.5782	-.8995
Stddev	5.708	.1034	25.02	.8318	.3407	.9134
%RSD	686.8	66.45	119.0	435.6	58.92	101.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.691	2.651	-.0077	.3646	2.123	5.184
Stddev	4.406	3.397	.6308	.1714	1.478	2.946
%RSD	163.7	128.1	8198.	47.00	69.64	56.83

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/20/2012 21:21:21 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6378	.3551	.6362	-26.70
Stddev	1.085	.2533	2.910	34.04
%RSD	170.1	71.35	457.5	127.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1418.2	16138.	1463.0
Stddev	4.7	53.	8.9
%RSD	.32923	.33102	.61027

Sample Name: 460-47205-A-14-A@4 Acquired: 11/20/2012 21:25:09 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50020.	11.30	-.9837	181.0	2.638	9812.	-.7977	33.45	73.00
Stddev	465.	4.10	.6795	3.2	.378	48.	.1565	.63	.88
%RSD	.9288	36.33	69.07	1.772	14.34	.4861	19.62	1.896	1.200

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	151.6	86350.	5242.	15160.	1662.	2037.	40.33	31.04	-4.473
Stddev	.9	355.	50.	43.	9.	25.	.46	1.60	1.409
%RSD	.6214	.4107	.9594	.2823	.5390	1.209	1.151	5.166	31.50

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.981	.2728	199.0	136.8	30.56	.9900	.6775	23.53	3452.
Stddev	1.274	1.934	1.5	1.9	.79	.5551	1.439	.37	20.
%RSD	42.74	708.9	.7386	1.386	2.584	56.07	212.4	1.565	.5743

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1839.
Stddev	68.
%RSD	3.704

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47205-A-14-A@4 Acquired: 11/20/2012 21:25:09 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1446.6	16616.	1547.0
Stddev	16.2	49.	9.7
%RSD	1.1168	.29595	.62876

Sample Name: 460-47205-A-15-A@4 Acquired: 11/20/2012 21:28:47 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	70200.	15.90	-1.938	214.0	1.948	5518.	-.8067	28.49	88.85
Stddev	379.	4.00	1.087	2.8	.210	45.	.3679	.72	.43
%RSD	.5395	25.18	56.10	1.289	10.79	.8187	45.61	2.524	.4858

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	96.56	86980.	3193.	14530.	862.8	3450.	53.00	48.31	-8.554
Stddev	.94	351.	11.	99.	5.0	16.	1.39	3.00	2.307
%RSD	.9753	.4037	.3585	.6828	.5774	.4725	2.626	6.202	26.97

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0107	-1.039	167.9	136.1	31.76	.6040	2.936	27.39	3217.
Stddev	3.965	.995	1.0	2.2	.24	.1596	.681	.35	37.
%RSD	37120.	95.74	.5770	1.581	.7488	26.42	23.20	1.292	1.155

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1735.
Stddev	74.
%RSD	4.263

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47205-A-15-A@4 Acquired: 11/20/2012 21:28:47 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1422.1	16260.	1525.1
Stddev	13.0	27.	4.4
%RSD	.91716	.16617	.28992

Sample Name: 460-47205-A-16-A@4 Acquired: 11/20/2012 21:32:26 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	74470.	18.61	-1.017	108.3	1.772	2520.	-1.387	26.91
Stddev	271.	4.02	.261	1.5	.338	15.	.193	.08
%RSD	.3635	21.60	25.65	1.424	19.08	.5894	13.87	.3053

Check ? **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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	93.18	100.9	105200.	3302.	14790.	838.4	981.4	47.10
Stddev	.27	1.1	152.	143.	32.	.8	12.7	.65
%RSD	.2893	1.123	.1446	4.331	.2153	.0953	1.291	1.375

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39.01	-4.784	1.311	.6578	200.3	119.6	28.23	.5225
Stddev	1.69	4.418	2.272	4.668	.6	1.6	.83	.1753
%RSD	4.330	92.35	173.4	709.6	.3127	1.311	2.948	33.54

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.320	14.42	3055.	1940.
Stddev	1.257	.10	27.	72.
%RSD	95.21	.7152	.8801	3.731

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47205-A-16-A@4 Acquired: 11/20/2012 21:32:26 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1408.5	15897.	1497.0
Stddev	12.4	57.	7.9
%RSD	.87752	.35962	.52595

Sample Name: 460-47205-A-17-A@4 Acquired: 11/20/2012 21:36:05 Type: Unk

Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	221500.	22.51	-2.897	1203.	3.483	19280.	-4.930
Stddev	2130.	.60	.522	4.	.041	219.	.114
%RSD	.9615	2.667	18.02	.3088	1.169	1.137	2.320

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	196.8	64.89	370.6	F 354700.	3429.	33200.	3393.
Stddev	.9	.80	2.8	2642.	73.	242.	24.
%RSD	.4741	1.238	.7500	.7448	2.131	.7299	.7174

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				200000.			
Low Limit				-150.0			

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7223.	100.3	29.87	-3.149	4.461	-1.999	436.3
Stddev	103.	.8	1.29	3.447	7.303	2.091	4.3
%RSD	1.424	.8045	4.305	109.5	163.7	104.6	.9751

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	200.2	25.47	-1.392	8.652	740.3	1719.	2060.
Stddev	.8	.60	.225	1.107	7.7	19.	23.
%RSD	.4106	2.362	16.18	12.79	1.046	1.108	1.093

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47205-A-17-A@4 Acquired: 11/20/2012 21:36:05 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1445.3	16346.	1556.6
Stddev	1.5	82.	9.4
%RSD	.10282	.50188	.60659

Sample Name: 460-47205-A-18-A@4 Acquired: 11/20/2012 21:39:39 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	83980.	2097.	-4868	382.2	3.221	6578.	-7109	40.63
Stddev	1244.	13.	1.097	2.3	.040	119.	.2327	.18
%RSD	1.481	.6142	225.3	.6143	1.239	1.804	32.73	.4411

Check ? 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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	100.9	132.9	110200.	3555.	15570.	1496.	1820.	65.36
Stddev	.8	1.4	1013.	44.	162.	12.	45.	.65
%RSD	.7642	1.040	.9189	1.227	1.042	.8110	2.472	.9893

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	173.2	1.907	.4259	-1.410	204.6	242.7	29.14	2.162
Stddev	1.6	1.175	1.573	2.091	2.2	1.6	.88	.393
%RSD	.9269	61.62	369.3	148.3	1.098	.6785	3.003	18.19

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	11.45	44.96	2738.	1832.
Stddev	.52	.47	43.	42.
%RSD	4.535	1.048	1.585	2.310

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-47205-A-18-A@4 Acquired: 11/20/2012 21:39:39 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1428.4	16404.	1541.7
Stddev	1.6	108.	7.1
%RSD	.11329	.65776	.46285

Sample Name: 460-47205-A-19-A@4 Acquired: 11/20/2012 21:43:18 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58180.	15.39	-1.685	227.7	1.803	4675.	-.7452	25.48	69.52
Stddev	251.	.19	.585	2.4	.255	45.	.0362	.15	.57
%RSD	.4315	1.227	34.71	1.053	14.12	.9526	4.861	.5963	.8144

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	96.79	75090.	3411.	12880.	709.0	2159.	45.56	35.00	-5.791
Stddev	.62	369.	30.	59.	3.8	23.	.41	.73	2.502
%RSD	.6405	.4914	.8846	.4567	.5338	1.083	.9082	2.097	43.21

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.010	-.6444	150.2	123.4	28.46	.8600	1.950	22.28	2847.
Stddev	3.410	2.180	1.1	1.0	.26	.3059	.626	.20	17.
%RSD	337.7	338.3	.7312	.8476	.9191	35.57	32.09	.9135	.5984

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1924.
Stddev	13.
%RSD	.6719

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47205-A-19-A@4 Acquired: 11/20/2012 21:43:18 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1422.2	16228.	1525.5
Stddev	7.9	59.	9.0
%RSD	.55591	.36060	.59296

Sample Name: 460-47205-F-21-D@4 Acquired: 11/20/2012 21:46:57 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45890.	22.77	-9131	194.3	1.884	6725.	-4300	23.98	65.80
Stddev	166.	1.14	.6102	2.2	.190	63.	.1392	.32	.65
%RSD	.3607	4.998	66.83	1.127	10.08	.9330	32.38	1.317	.9822

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	108.0	67300.	2233.	9408.	506.3	1990.	40.64	224.3	-2.436
Stddev	.8	460.	93.	70.	3.1	25.	.96	3.4	3.601
%RSD	.7073	.6839	4.156	.7489	.6053	1.239	2.369	1.497	147.8

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.056	-2.252	166.1	238.6	31.99	.5249	6.856	66.95	1874.
Stddev	6.430	.713	1.0	1.7	1.13	.2812	1.647	.39	8.
%RSD	609.1	31.65	.6236	.7254	3.536	53.58	24.03	.5800	.4406

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1793.
Stddev	11.
%RSD	.6294

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47205-F-21-D@4 Acquired: 11/20/2012 21:46:57 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1437.2	16424.	1525.4
Stddev	10.4	103.	3.2
%RSD	.72416	.62672	.20832

Sample Name: mb 460-136339/1-a Acquired: 11/20/2012 21:50:36 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -16.01	F .7414	F -.8724	F -.1629	F -.1248	F -19.70
Stddev	15.22	.8774	.2007	.1602	.1817	8.99
%RSD	95.03	118.3	23.01	98.38	145.7	45.63

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	1000.
Range	±800.0	±800.0	±800.0	±800.0	±800.0	±800.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -.1673	F -.0025	F -.3958	F -.6211	F .6575	F 19.83
Stddev	.0836	.1213	.3336	.3823	5.505	73.51
%RSD	49.97	4914.	84.29	61.55	837.3	370.6

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	10000.
Range	±800.0	±800.0	±800.0	±800.0	±800.0	±8000.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1.910	F -.0419	F -53.37	F .4234	F -.2998	F -1.164
Stddev	9.490	.0348	29.23	.7131	2.713	1.556
%RSD	497.0	83.10	54.77	168.4	905.0	133.6

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	1000.
Range	±800.0	±800.0	±800.0	±800.0	±800.0	±800.0

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -3.942	F 1.015	F .5122	F -.0596	F .1103	F .1431
Stddev	.642	2.099	.5463	.0891	.7953	.5855
%RSD	16.29	206.7	106.7	149.4	721.0	409.3

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	1000.
Range	±800.0	±800.0	±800.0	±800.0	±800.0	±800.0

Sample Name: mb 460-136339/1-a Acquired: 11/20/2012 21:50:36 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F .4610	F -.0481	F -1.136	-19.82
Stddev	.5633	.2425	1.493	11.19
%RSD	122.2	504.2	131.4	56.43

Check ?	Chk Fail	Chk Fail	Chk Fail	None
Value	1000.	1000.	1000.	
Range	±800.0	±800.0	±800.0	

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1412.8	16170.	1462.3
Stddev	1.1	50.	13.3
%RSD	.07812	.30780	.90676

Sample Name: lcs 460-136339/2-a Acquired: 11/20/2012 21:54:23 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 4959.	F 4861.	F 475.4	F 10100.	F 969.7	F 20160.
Stddev	24.	24.	1.7	60.	5.4	107.
%RSD	.4765	.4914	.3621	.5894	.5605	.5288

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	1000.
Range	±1200.	±1200.	±800.0	±1200.	±800.0	±1200.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1017.	F 1025.	F 4872.	F 955.6	F 975.1	19670.
Stddev	6.	6.	20.	3.6	14.2	84.
%RSD	.5666	.5578	.4133	.3720	1.456	.4247

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass
Value	1000.	1000.	1000.	1000.	1000.	
Range	±800.0	±800.0	±1200.	±800.0	±800.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 19280.	F 985.4	F 19820.	F 1040.	F 5159.	F 974.2
Stddev	80.	3.5	101.	7.	27.	5.8
%RSD	.4131	.3603	.5079	.6417	.5200	.5990

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	1000.
Range	±1200.	±800.0	±1200.	±800.0	±1200.	±800.0

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 942.6	F 1072.	F 482.5	F 1003.	F 959.2	F 1013.
Stddev	7.9	4.	2.4	5.	5.6	3.
%RSD	.8426	.4083	.4887	.5387	.5807	.3075

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	1000.
Range	±800.0	±800.0	±800.0	±800.0	±800.0	±800.0

Sample Name: lcs 460-136339/2-a Acquired: 11/20/2012 21:54:23 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F 1060.	F 964.4	F 982.8	29.27
Stddev	4.	4.5	5.7	25.83
%RSD	.3674	.4661	.5772	88.25

Check ?	Chk Fail	Chk Fail	Chk Fail	None
Value	1000.	1000.	1000.	
Range	±800.0	±800.0	±800.0	

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1371.3	15805.	1467.5
Stddev	10.0	34.	6.4
%RSD	.72858	.21240	.43366

Sample Name: 460-47112-A-3-C DU@5 Acquired: 11/20/2012 21:57:51 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	92.63	5.036	-.3633	224.3	.8283	3730.	-.0162
Stddev	1.39	1.588	.4499	2.0	.4207	22.	.1789
%RSD	1.499	31.53	123.8	.8940	50.79	.6028	1102.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.631	.3416	1.960	5407.	-262.0	920.3	726.4
Stddev	.327	.6148	.337	56.	115.2	8.3	2.1
%RSD	3.785	180.0	17.20	1.037	43.99	.8985	.2855

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 280700.	5.321	7.629	.2370	-.3201	.5592	1.652
Stddev	1448.	.321	.394	2.206	3.909	1.195	.681
%RSD	.5159	6.040	5.168	930.8	1221.	213.8	41.24

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.08	286.0	1.214	1.666	32.88	1.189	3044.
Stddev	.31	1.6	1.218	.469	.14	4.668	45.
%RSD	1.349	.5456	100.4	28.15	.4361	392.5	1.493

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47112-A-3-C DU@5 Acquired: 11/20/2012 21:57:51 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1362.6	15280.	1464.6
Stddev	6.5	128.	2.9
%RSD	.47353	.83695	.19920

Sample Name: CCV Acquired: 11/20/2012 22:01:45 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124100.	2478.	1234.	10180.	985.9	125200.
Stddev	807.	10.	5.	36.	7.6	552.
%RSD	.6501	.3887	.3824	.3498	.7692	.4410

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1266.	2514.	4988.	12210.	100000.	49200.
Stddev	6.	13.	28.	102.	480.	386.
%RSD	.4509	.5109	.5585	.8337	.4796	.7839

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122900.	4954.	123800.	2516.	7600.	984.9
Stddev	724.	37.	895.	14.	39.	5.6
%RSD	.5888	.7435	.7233	.5473	.5142	.5724

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2472.	2531.	2493.	2527.	1000.	2524.
Stddev	15.	14.	10.	14.	.	5.
%RSD	.6255	.5659	.3917	.5611	.0364	.1992

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/20/2012 22:01:45 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	997.7	4894.	9828.	9746.
Stddev	2.3	38.	87.	31.
%RSD	.2281	.7691	.8828	.3156

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1308.6	14966.	1455.7
Stddev	4.8	42.	5.7
%RSD	.36929	.28171	.39339

Sample Name: CCB Acquired: 11/20/2012 22:05:11 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.19	-3.210	-.8188	.3739	.0166	-11.14
Stddev	18.36	3.583	.8384	.3995	.0511	33.70
%RSD	164.1	111.6	102.4	106.9	307.4	302.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1238	.3470	.1047	.8367	-.5581	8.114
Stddev	.0513	.4503	.4828	.3367	15.30	27.75
%RSD	41.41	129.7	461.3	40.24	2742.	342.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.722	.3203	25.85	-.3529	.3172	.0293
Stddev	14.18	.3601	25.82	.1303	2.917	.8314
%RSD	247.8	112.4	99.90	36.91	919.6	2841.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2535	.5738	-.0411	.1625	3.570	5.479
Stddev	2.687	1.110	.3262	.2424	1.599	3.275
%RSD	1060.	193.5	794.4	149.2	44.79	59.78

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/20/2012 22:05:11 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.198	.4694	-.1120	9.994
Stddev	1.126	.5247	2.021	8.583
%RSD	94.05	111.8	1805.	85.89

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1400.3	16132.	1468.0
Stddev	4.1	17.	2.8
%RSD	.29284	.10613	.19014

Sample Name: 460-47112-A-3-B@5 Acquired: 11/20/2012 22:08:59 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	112.0	1.806	-8861	226.0	.6419	3699.	-.1121
Stddev	42.8	2.472	.3234	2.0	.1755	24.	.1418
%RSD	38.18	136.9	36.50	.8652	27.34	.6575	126.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.630	.7954	1.573	5463.	-211.8	928.6	725.7
Stddev	.349	.3116	.241	10.	74.8	4.9	.6
%RSD	4.040	39.18	15.31	.1896	35.33	.5274	.0778

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 281800.	5.193	7.060	1.028	-1.184	2.396	1.562
Stddev	1669.	.301	.755	2.057	2.879	1.334	.133
%RSD	.5923	5.803	10.70	200.1	243.2	55.66	8.515

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.74	287.7	1.321	1.880	32.87	.8575	3112.
Stddev	.11	1.8	.771	.596	.23	1.703	55.
%RSD	.4774	.6151	58.37	31.69	.7117	198.7	1.760

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47112-A-3-B@5 Acquired: 11/20/2012 22:08:59 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1364.3	15351.	1477.2
Stddev	12.9	52.	12.1
%RSD	.94328	.34013	.82065

Sample Name: sd 460-47112-A-3-B@2 Acquired: 11/20/2012 22:12:46 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-11.72	.1371	-.9826	44.73	.1490	728.2	-.2479	1.694	-.8190
Stddev	12.07	.3701	.3243	.07	.2818	27.9	.0094	.342	.5287
%RSD	103.0	270.0	33.00	.1567	189.1	3.827	3.775	20.18	64.55

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0957	1093.	2.022	184.8	143.1	56690.	1.237	3.159	-1.009
Stddev	.1823	2.	25.37	5.2	.9	133.	.400	.447	1.541
%RSD	190.3	.1703	1254.	2.795	.6517	.2352	32.31	14.14	152.7

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.018	.9499	.0975	5.013	58.07	1.072	.3635	6.645	-.0786
Stddev	3.925	.6703	.6941	.243	1.08	.351	.2225	.182	1.739
%RSD	385.5	70.56	711.7	4.851	1.855	32.78	61.22	2.741	2213.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	581.1
Stddev	38.9
%RSD	6.700

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: sd 460-47112-A-3-B@2 Acquired: 11/20/2012 22:12:46 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1380.6	15796.	1468.3
Stddev	2.5	85.	4.2
%RSD	.18356	.54050	.28379

Sample Name: 460-47112-A-3-D MS@5 Acquired: 11/20/2012 22:16:39 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1087.	1028.	98.00	2298.	198.4	7811.	210.3
Stddev	7.	7.	.86	14.	.8	66.	1.4
%RSD	.6794	.6851	.8782	.6041	.4232	.8498	.6588

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	216.8	1010.	196.9	5541.	3802.	4740.	908.8
Stddev	.7	4.	1.0	76.	70.	26.	3.5
%RSD	.3404	.4342	.5126	1.374	1.833	.5468	.3892

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 280100.	215.9	1038.	197.2	198.2	208.3	102.7
Stddev	1364.	1.3	11.	2.3	5.2	2.6	1.1
%RSD	.4871	.6150	1.018	1.192	2.601	1.263	1.056

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	232.4	479.0	210.6	214.8	227.9	202.3	3083.
Stddev	1.2	3.5	.4	.9	1.1	1.9	33.
%RSD	.5128	.7296	.1893	.4178	.4819	.9433	1.062

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47112-A-3-D MS@5 Acquired: 11/20/2012 22:16:39 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1343.7	15380.	1481.0
Stddev	9.4	101.	13.0
%RSD	.69944	.65551	.87605

Sample Name: pds 460-47112-A-3-B@ Acquired: 11/20/2012 22:20:15 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4928.	F 5124.	481.1	10130.	963.2	23640.	1010.
Stddev	35.	41.	2.7	114.	3.5	136.	10.
%RSD	.7029	.8008	.5632	1.121	.3640	.5756	.9735

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.					
Low Limit		-10.00					

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1015.	4868.	947.2	6321.	19110.	19560.	1683.
Stddev	8.	19.	2.1	26.	43.	81.	5.
%RSD	.8105	.3977	.2167	.4040	.2264	.4140	.2896

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 296600.	1028.	4990.	976.4	980.7	1004.	490.2
Stddev	420.	6.	38.	7.0	9.0	6.	2.5
%RSD	.1416	.6131	.7539	.7164	.9147	.6392	.5085

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1032.	1236.	1015.	1205.	980.9	1019.	3090.
Stddev	8.	10.	9.	5.	2.5	5.	10.
%RSD	.7843	.7992	.9151	.4560	.2569	.5047	.3078

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: pds 460-47112-A-3-B@ Acquired: 11/20/2012 22:20:15 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1339.7	15370.	1481.1
Stddev	11.1	104.	14.5
%RSD	.83131	.67413	.98171

Sample Name: 460-47112-A-33-B@5 Acquired: 11/20/2012 22:23:48 Type: Unk

Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	195.3	4.428	-.3977	211.2	.4796	4400.	-.0190
Stddev	28.4	1.606	.1998	1.5	.1250	131.	.0374
%RSD	14.53	36.26	50.25	.7184	26.06	2.984	196.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.18	1.078	1.427	6886.	-269.5	1003.	419.4
Stddev	.56	.548	.353	87.	117.5	16.	6.3
%RSD	4.621	50.86	24.77	1.266	43.62	1.611	1.496

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 289200.	6.390	14.20	-.0169	4.689	2.512	1.922
Stddev	7144.	.711	1.78	2.658	4.263	2.046	.446
%RSD	2.471	11.13	12.54	15700.	90.93	81.44	23.20

Check ? Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit 250000.
Low Limit -5000.

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33.21	302.4	1.056	.9106	32.10	2.760	3240.
Stddev	.35	3.1	.057	.3464	.58	.922	106.
%RSD	1.068	1.024	5.406	38.04	1.798	33.43	3.266

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-47112-A-33-B@5 Acquired: 11/20/2012 22:23:48 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1339.0	15180.	1465.7
Stddev	8.6	178.	18.3
%RSD	.64015	1.1718	1.2512

Sample Name: 460-47112-A-34-B@5 Acquired: 11/20/2012 22:27:46 Type: Unk

Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	63.97	.3474	-.6296	154.5	-.3653	22220.	.3555
Stddev	11.50	4.240	.7706	2.7	.3403	128.	.1220
%RSD	17.98	1221.	122.4	1.760	93.15	.5755	34.32

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6167	-.5016	5.721	34.26	-464.2	7450.	26.89
Stddev	.3559	.2440	.844	29.97	34.1	110.	.44
%RSD	57.71	48.66	14.74	87.47	7.340	1.470	1.621

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 288000.	6.145	11.94	2.288	1.256	1.657	1.595
Stddev	2233.	.951	1.98	1.098	3.239	.883	.442
%RSD	.7753	15.47	16.54	48.01	257.8	53.28	27.69

Check ? **Chk Fail** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit **250000.**
Low Limit **-5000.**

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	146.5	285.9	.2719	.2669	104.2	1.005	3591.
Stddev	2.3	4.2	.1103	1.315	.3	1.813	90.
%RSD	1.543	1.452	40.57	492.9	.2612	180.3	2.497

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47112-A-34-B@5 Acquired: 11/20/2012 22:27:46 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1316.4	15025.	1443.9
Stddev	18.2	130.	1.2
%RSD	1.3793	.86782	.08325

Sample Name: 460-47112-A-35-B@5 Acquired: 11/20/2012 22:31:43 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	113.5	2.945	-7502	157.0	.1506	4342.	-2894
Stddev	15.8	4.719	.2820	2.1	.1947	69.	.0935
%RSD	13.94	160.3	37.59	1.346	129.3	1.578	32.30

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.212	1.091	1.796	6672.	-456.6	691.8	362.2
Stddev	.398	.706	.397	163.	60.5	14.4	9.6
%RSD	12.40	64.69	22.09	2.435	13.25	2.075	2.650

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 284200.	6.960	14.30	1.591	-2.980	2.061	.7965
Stddev	5261.	.478	2.98	.472	3.575	2.718	1.162
%RSD	1.851	6.869	20.82	29.69	120.0	131.9	145.9

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	105.2	287.0	.0634	1.672	32.32	-4222	3234.
Stddev	1.8	4.9	.3996	.918	.74	.8652	10.
%RSD	1.734	1.703	630.5	54.93	2.280	204.9	.3054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47112-A-35-B@5 Acquired: 11/20/2012 22:31:43 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1329.9	15232.	1465.6
Stddev	14.9	206.	22.4
%RSD	1.1174	1.3533	1.5273

Sample Name: 460-47112-A-36-B@5 Acquired: 11/20/2012 22:35:37 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	67.64	-.0248	-.6272	185.7	.3676	3697.	-.2985
Stddev	54.26	2.527	.7060	1.8	.2413	37.	.0490
%RSD	80.22	10200.	112.6	.9510	65.65	1.005	16.40

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.38	.4828	.4708	6885.	-357.9	1028.	1182.
Stddev	.31	.4177	.4809	121.	71.5	22.	22.
%RSD	2.752	86.50	102.1	1.761	19.98	2.096	1.852

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 280100.	7.240	3.977	-.6903	1.517	-.0490	2.103
Stddev	3780.	.132	.973	1.883	3.815	.7384	.486
%RSD	1.349	1.826	24.48	272.8	251.4	1506.	23.14

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29.33	278.0	.2544	1.762	30.33	1.687	3152.
Stddev	.68	2.2	.6221	.775	.58	2.400	43.
%RSD	2.321	.8080	244.5	44.00	1.909	142.3	1.364

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47112-A-36-B@5 Acquired: 11/20/2012 22:35:37 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1345.6	15301.	1461.0
Stddev	6.1	146.	15.0
%RSD	.45137	.95651	1.0259

Sample Name: 460-47112-A-41-B@5 Acquired: 11/20/2012 22:39:33 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	63.89	-1.156	-8.243	178.0	-2.253	32240.	.6128
Stddev	28.47	1.683	.4326	2.3	.1424	197.	.0361
%RSD	44.56	145.5	52.48	1.274	63.18	.6106	5.887

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.335	-4.038	2.230	58.05	-692.7	1040.	21.57
Stddev	.1953	.9962	.484	8.04	7.5	9.	.03
%RSD	26.63	246.7	21.70	13.85	1.081	.8671	.1357

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 286100.	5.700	8.656	1.310	-2.355	1.877	.9708
Stddev	3344.	.312	.995	2.639	.530	1.531	.0514
%RSD	1.169	5.469	11.50	201.4	22.50	81.53	5.296

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	85.66	282.9	.6083	-3.842	240.6	-1.809	3266.
Stddev	.86	5.1	.5871	1.266	1.5	2.079	54.
%RSD	1.003	1.818	96.52	329.6	.6193	114.9	1.655

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47112-A-41-B@5 Acquired: 11/20/2012 22:39:33 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1321.1	15000.	1445.2
Stddev	12.6	42.	5.4
%RSD	.95176	.27732	.37062

Sample Name: 460-47112-A-42-B@5 Acquired: 11/20/2012 22:43:33 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	156.8	-8824	-9918	159.0	2058	32470.	-2528
Stddev	13.9	.1812	.5250	2.2	.0592	195.	.1252
%RSD	8.843	20.54	52.94	1.385	28.75	.5995	49.52

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.59	.8170	.0717	12360.	-470.0	801.7	100.2
Stddev	.83	.2976	.5910	257.	94.8	8.3	2.0
%RSD	7.794	36.42	824.4	2.083	20.16	1.034	1.946

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 293900.	38.14	19.98	-2.300	1.098	1.535	.0816
Stddev	975.	.81	2.52	2.033	2.126	2.058	.6859
%RSD	.3318	2.131	12.59	88.38	193.6	134.1	840.7

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	301.6	292.4	.1619	.8745	162.5	.3587	4761.
Stddev	4.9	5.2	.2390	1.115	.8	1.988	21.
%RSD	1.616	1.783	147.6	127.5	.5207	554.2	.4419

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47112-A-42-B@5 Acquired: 11/20/2012 22:43:33 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1323.2	15086.	1455.2
Stddev	12.1	174.	6.2
%RSD	.91112	1.1521	.42657

Sample Name: CCV Acquired: 11/20/2012 22:47:32 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124100.	2480.	1233.	10140.	995.6	126300.
Stddev	1099.	9.	5.	43.	9.0	941.
%RSD	.8849	.3675	.3696	.4213	.9014	.7451

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1263.	2512.	4972.	12280.	99910.	49890.
Stddev	5.	8.	18.	38.	357.	343.
%RSD	.3799	.3029	.3589	.3075	.3574	.6865

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122800.	4972.	123700.	2514.	7582.	985.7
Stddev	511.	16.	987.	8.	36.	7.7
%RSD	.4165	.3285	.7981	.3296	.4749	.7798

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2481.	2537.	2486.	2526.	993.5	2514.
Stddev	17.	3.	14.	10.	.7	5.
%RSD	.6736	.1276	.5660	.3763	.0700	.1933

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/20/2012 22:47:32 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	999.8	4945.	9886.	9691.
Stddev	2.4	49.	76.	36.
%RSD	.2364	.9918	.7722	.3737

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1332.8	15233.	1469.9
Stddev	1.3	82.	9.8
%RSD	.09494	.53585	.66999

Sample Name: CCB Acquired: 11/20/2012 22:51:13 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.289	-4.717	-1.213	.2733	-.0155	-1.115
Stddev	38.99	2.107	.218	.4126	.2353	37.32
%RSD	737.1	446.8	18.00	151.0	1520.	3346.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0326	.3833	-.3004	.4733	1.732	133.0
Stddev	.1820	.6303	.8420	1.386	15.66	44.6
%RSD	558.0	164.4	280.3	292.8	903.9	33.56

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.195	.2601	111.6	-.1592	1.579	-1.449
Stddev	5.777	.3284	26.3	.4780	2.508	2.703
%RSD	70.50	126.3	23.56	300.2	158.8	186.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.082	1.779	.3602	.2014	3.236	6.226
Stddev	3.880	.981	.2452	.3834	1.137	3.786
%RSD	95.04	55.16	68.07	190.3	35.14	60.82

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/20/2012 22:51:13 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1540	.5030	.0040	-13.64
Stddev	.8800	.4973	3.378	9.48
%RSD	571.3	98.88	84790.	69.54

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1415.8	16223.	1472.7
Stddev	4.6	37.	6.6
%RSD	.32400	.22505	.44719

Sample Name: 460-47112-A-43-B@5 Acquired: 11/20/2012 22:55:17 Type: Unk

Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.38	2.061	-.2077	121.3	-.1016	159700.	-.2873
Stddev	31.38	1.118	1.270	2.2	.1968	1161.	.0882
%RSD	146.8	54.24	611.7	1.834	193.7	.7272	30.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5163	-3.321	.4412	396.3	1540.	863.5	261.0
Stddev	.1857	.926	.5203	29.3	34.	7.3	2.3
%RSD	35.96	27.88	117.9	7.406	2.197	.8456	.8766

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 279200.	8.109	3.129	2.171	-2.527	.6411	.0666
Stddev	1580.	.343	1.151	.934	.421	2.441	.2226
%RSD	.5659	4.230	36.77	43.01	16.68	380.7	334.1

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.16	282.4	3.290	.8292	557.2	2.506	3005.
Stddev	.30	4.1	1.009	.2615	3.2	2.757	41.
%RSD	2.136	1.438	30.65	31.54	.5743	110.0	1.370

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47112-A-43-B@5 Acquired: 11/20/2012 22:55:17 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1304.3	14850.	1446.1
Stddev	9.1	28.	9.0
%RSD	.69792	.18608	.62052

Sample Name: 460-47112-A-53-B@5 Acquired: 11/20/2012 22:59:17 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	146.3	.6600	-1.089	91.24	-.0917	2414.	-.1704
Stddev	15.4	2.724	1.141	1.53	.0589	25.	.1799
%RSD	10.55	412.8	104.7	1.681	64.23	1.022	105.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.903	.0187	.3798	4293.	-477.0	969.0	60.68
Stddev	.537	.4152	.5091	79.	59.5	11.7	1.09
%RSD	7.773	2221.	134.1	1.842	12.48	1.204	1.793

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 279700.	5.207	3.810	-.1921	.8106	-1.766	2.026
Stddev	2990.	.514	1.124	3.114	4.377	1.567	.450
%RSD	1.069	9.869	29.49	1621.	539.9	88.72	22.21

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.09	276.3	.4298	2.459	21.51	2.929	3173.
Stddev	.27	4.0	.2599	.453	.30	1.075	48.
%RSD	1.656	1.460	60.47	18.43	1.412	36.70	1.518

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47112-A-53-B@5 Acquired: 11/20/2012 22:59:17 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1342.2	15251.	1461.8
Stddev	12.5	118.	3.1
%RSD	.93180	.77253	.20989

Sample Name: 460-47186-A-1-B@5 Acquired: 11/20/2012 23:03:17 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.483	-2.157	-6.923	12.20	-3.881	532.2	-.3568	.0992	-.8658
Stddev	6.340	1.353	.9759	.23	.1513	18.9	.1958	.3382	.3757
%RSD	255.4	627.2	141.0	1.900	38.98	3.544	54.88	341.1	43.39

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3489	28.11	188.5	50.34	2.904	1599.	.2903	1.481	1.607
Stddev	.2033	4.80	89.5	7.79	.087	22.	.0297	1.245	.344
%RSD	58.27	17.07	47.45	15.47	2.989	1.390	10.22	84.10	21.40

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9474	-.8932	.3166	1.553	7.540	.6151	.3420	1.811	-1.355
Stddev	.5568	1.285	.7182	.381	.483	.3995	.7153	.171	.784
%RSD	58.77	143.9	226.9	24.50	6.404	64.95	209.2	9.454	57.83

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	34.91
Stddev	27.07
%RSD	77.53

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47186-A-1-B@5 Acquired: 11/20/2012 23:03:17 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1378.3	15936.	1441.4
Stddev	7.3	215.	9.5
%RSD	.53228	1.3506	.66090

Sample Name: lb 460-136235/1-b@5 Acquired: 11/20/2012 23:07:21 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.07	.1245	-.3872	-.0921	.0686	4.674	-.1391	-.0385	-.5513
Stddev	36.33	2.134	.6497	.1054	.0538	15.51	.0627	.4158	.5852
%RSD	139.4	1714.	167.8	114.5	78.32	331.8	45.08	1080.	106.2

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1852	15.26	18.24	3.089	.1438	99.43	.6869	2.741	.6980
Stddev	.0842	8.72	69.96	6.225	.0614	20.94	.4738	1.862	1.771
%RSD	45.46	57.12	383.5	201.5	42.66	21.06	68.97	67.92	253.7

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.182	.3185	.7833	.8897	240.0	.5842	.5067	.0518	-.1810
Stddev	3.991	1.920	.4247	.1894	1.3	.1559	.7406	.1432	1.821
%RSD	182.9	602.7	54.22	21.29	.5569	26.69	146.2	276.5	1006.

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	2725.
Stddev	19.
%RSD	.6847

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: lb 460-136235/1-b@5 Acquired: 11/20/2012 23:07:21 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1421.3	16393.	1484.1
Stddev	2.7	74.	17.1
%RSD	.19343	.45161	1.1522

Sample Name: LB 460-135981/1-G@5 Acquired: 11/20/2012 23:11:25 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.167	1.938	.0742	33.01	-.2220	246.3	-.1771
Stddev	4.862	1.662	.7288	.22	.1940	10.7	.1733
%RSD	416.6	85.77	982.7	.6661	87.39	4.338	97.83

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5738	-.4612	.9377	8.597	-1127.	37.87	.2527
Stddev	.4322	.4545	.5178	9.810	109.	3.78	.0737
%RSD	75.33	98.54	55.22	114.1	9.704	9.970	29.18

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 302300.	1.868	9.185	1.450	-1.351	1.263	-.6448
Stddev	1012.	.177	1.097	.463	3.436	1.984	.6503
%RSD	.3346	9.464	11.95	31.97	254.3	157.1	100.9

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.888	311.4	.3215	.0544	1.304	-1.873	3105.
Stddev	.218	.9	.0861	.6509	.073	.513	44.
%RSD	2.205	.2888	26.77	1197.	5.630	27.37	1.417

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: LB 460-135981/1-G@5 Acquired: 11/20/2012 23:11:25 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1363.0	15464.	1484.7
Stddev	4.9	53.	13.4
%RSD	.36107	.34104	.90291

Sample Name: 460-47112-A-1-B@5 Acquired: 11/20/2012 23:15:30 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	88.35	3.670	-1.529	163.7	-.1200	19150.	.6502
Stddev	13.10	4.478	.922	.6	.1233	288.	.0766
%RSD	14.83	122.0	60.32	.3534	102.8	1.501	11.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.789	-.6613	5.703	22.62	-473.2	3667.	136.5
Stddev	.203	.3562	.434	9.86	37.6	51.	1.7
%RSD	11.34	53.87	7.611	43.57	7.944	1.401	1.224

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 288500.	15.17	26.94	2.035	-3.680	2.642	7.902
Stddev	5407.	.37	1.60	2.655	2.146	.418	.810
%RSD	1.874	2.456	5.928	130.4	58.30	15.83	10.26

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	269.7	296.2	.7107	.4600	78.75	1.497	4708.
Stddev	.5	1.1	.3229	.2360	1.44	.660	116.
%RSD	.1799	.3820	45.43	51.29	1.834	44.12	2.472

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47112-A-1-B@5 Acquired: 11/20/2012 23:15:30 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1318.6	15082.	1452.5
Stddev	4.7	125.	9.5
%RSD	.35710	.83076	.65487

Sample Name: 460-47112-A-2-B@5 Acquired: 11/20/2012 23:19:30 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	222.7	8.764	-7736	171.5	.1704	61300.	.4007
Stddev	50.0	.880	.8839	.9	.1449	1120.	.1248
%RSD	22.43	10.04	114.3	.5014	85.02	1.826	31.14

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.648	1.087	14.82	3083.	-185.6	1106.	543.8
Stddev	.385	.470	.68	81.	50.9	27.	11.5
%RSD	3.993	43.20	4.579	2.633	27.45	2.469	2.107

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 283700.	25.76	39.43	1.978	-1.510	-7570	1.124
Stddev	5445.	.36	1.59	1.696	3.688	1.936	.539
%RSD	1.919	1.410	4.021	85.75	244.2	255.8	47.95

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	188.7	303.8	.7460	2.296	159.8	3.964	8887.
Stddev	1.0	2.1	.7065	.758	3.3	1.239	111.
%RSD	.5315	.6891	94.70	33.02	2.040	31.26	1.251

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47112-A-2-B@5 Acquired: 11/20/2012 23:19:30 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1322.2	15107.	1470.1
Stddev	2.9	101.	15.5
%RSD	.21617	.66763	1.0523

Sample Name: 460-47112-A-7-B@5 Acquired: 11/20/2012 23:23:30 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.724	-1.166	-.8795	91.60	-.1322	7529.	-.0758
Stddev	15.78	2.511	.4039	.43	.2577	54.	.0744
%RSD	204.3	215.3	45.92	.4646	194.9	.7169	98.24

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8334	-.6797	1.472	24.76	-711.9	348.9	8.313
Stddev	.3056	.2247	.998	6.34	64.1	7.6	.059
%RSD	36.67	33.06	67.79	25.63	9.004	2.167	.7054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 289600.	7.058	4.504	-.4585	-.7424	3.333	1.255
Stddev	1198.	.237	2.476	1.359	3.296	3.365	.050
%RSD	.4136	3.355	54.97	296.4	444.0	101.0	3.990

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39.81	292.4	.7078	.7899	53.39	-.3435	3105.
Stddev	.21	.4	.3167	1.305	.33	.9017	29.
%RSD	.5153	.1487	44.74	165.2	.6203	262.5	.9342

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47112-A-7-B@5 Acquired: 11/20/2012 23:23:30 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1376.7	15442.	1481.6
Stddev	2.1	78.	7.2
%RSD	.14916	.50309	.48390

Sample Name: 460-47112-A-8-B@5 Acquired: 11/20/2012 23:27:55 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	91.67	.7853	-1.187	178.4	-.0200	3800.	.1308
Stddev	8.31	1.761	.360	1.0	.1964	26.	.0236
%RSD	9.065	224.3	30.38	.5331	979.9	.6883	18.07

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.644	.2757	2.601	4569.	-418.7	585.6	274.2
Stddev	.195	.5425	.553	29.	30.4	2.1	.9
%RSD	2.938	196.7	21.28	.6307	7.269	.3510	.3354

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 279400.	17.96	67.59	-.5553	-3.881	1.760	.4082
Stddev	878.	.12	2.79	4.114	2.394	2.789	.3881
%RSD	.3143	.6886	4.134	740.9	61.67	158.5	95.07

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	145.2	292.8	-.0265	1.527	28.12	.8536	2965.
Stddev	.7	1.1	.5091	.966	.08	.7533	27.
%RSD	.5125	.3628	1924.	63.30	.2771	88.25	.8998

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47112-A-8-B@5 Acquired: 11/20/2012 23:27:55 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1394.9	15795.	1508.8
Stddev	7.2	87.	3.4
%RSD	.51501	.54948	.22860

Sample Name: 460-47112-A-9-B@5 Acquired: 11/20/2012 23:32:07 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	71.76	3.052	.1424	218.1	.1720	15070.	.0656
Stddev	27.77	.524	.6565	1.8	.2037	39.	.1225
%RSD	38.70	17.16	461.1	.8097	118.4	.2597	186.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.183	-.0896	1.274	1588.	-291.5	1537.	760.8
Stddev	.142	.5874	.443	12.	19.4	8.	1.0
%RSD	1.730	655.4	34.75	.7677	6.650	.5070	.1367

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 274800.	5.201	90.51	.3992	-3.589	.5504	.9650
Stddev	740.	.562	.82	1.916	3.345	1.654	.8904
%RSD	.2693	10.80	.9082	479.9	93.19	300.4	92.27

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	156.3	297.4	.3649	.6053	66.84	-.2251	2948.
Stddev	1.0	2.1	.2920	.2435	.24	2.811	32.
%RSD	.6624	.7115	80.03	40.22	.3591	1249.	1.100

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47112-A-9-B@5 Acquired: 11/20/2012 23:32:07 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1397.1	15774.	1509.8
Stddev	5.6	27.	3.1
%RSD	.40153	.16970	.20413

Sample Name: CCV Acquired: 11/20/2012 23:36:22 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124200.	2477.	1236.	10100.	1001.	126800.
Stddev	537.	22.	5.	71.	5.	689.
%RSD	.4323	.8926	.3721	.7070	.5253	.5430

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1258.	2507.	4967.	12350.	99820.	50060.
Stddev	11.	16.	27.	7.	472.	337.
%RSD	.8504	.6371	.5534	.0551	.4732	.6728

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122900.	4986.	124600.	2509.	7571.	989.6
Stddev	437.	6.	759.	17.	49.	4.6
%RSD	.3555	.1279	.6092	.6915	.6455	.4694

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2487.	2524.	2484.	2515.	995.4	2502.
Stddev	24.	16.	8.	21.	5.4	7.
%RSD	.9728	.6220	.3121	.8531	.5450	.2807

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/20/2012 23:36:22 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	999.5	4980.	9915.	9687.
Stddev	6.7	26.	59.	49.
%RSD	.6666	.5152	.5984	.5036

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1329.3	15132.	1465.4
Stddev	7.4	41.	9.0
%RSD	.56038	.26999	.61109

Sample Name: CCB Acquired: 11/20/2012 23:40:17 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.021	.8265	-.4891	.3569	.0329	-6.836
Stddev	33.37	3.295	.9311	.5088	.1762	43.53
%RSD	554.3	398.7	190.4	142.6	535.0	636.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1396	.5052	-.2165	-.2480	3.808	34.33
Stddev	.0972	.2265	.5301	1.018	7.113	62.34
%RSD	69.67	44.83	244.9	410.6	186.8	181.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.651	.3024	91.63	-.4884	.5539	-.8901
Stddev	16.49	.2861	22.19	.4701	2.612	1.832
%RSD	215.5	94.60	24.22	96.26	471.6	205.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.400	-.5265	.0963	.3087	2.803	6.108
Stddev	3.455	.3885	.5594	.0673	.164	3.798
%RSD	101.6	73.79	580.9	21.82	5.855	62.18

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/20/2012 23:40:17 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2693	.5638	-.1322	-10.76
Stddev	.6718	.5592	1.359	11.76
%RSD	249.5	99.17	1028.	109.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1414.9	16203.	1474.9
Stddev	2.1	21.	5.0
%RSD	.14667	.12823	.34173

Sample Name: 460-47112-A-13-B@5 Acquired: 11/20/2012 23:44:33 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43.40	4.489	-8332	167.0	.0961	153800.	1.379
Stddev	10.02	2.641	1.018	1.0	.0586	1251.	.098
%RSD	23.10	58.84	122.1	.6273	61.04	.8131	7.072

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.258	-3.128	16.68	12.53	510.9	2515.	437.5
Stddev	.126	.389	.28	9.03	79.6	9.	1.7
%RSD	5.587	12.43	1.699	72.08	15.59	.3584	.3845

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 289400.	14.02	11.81	1.600	-1.014	.9624	128.5
Stddev	2353.	.58	1.79	4.046	2.974	.9746	1.0
%RSD	.8130	4.141	15.14	252.9	293.2	101.3	.7471

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	315.3	310.7	1.113	.3785	725.3	2.879	5497.
Stddev	1.7	.2	.743	1.224	2.5	2.126	78.
%RSD	.5356	.0650	66.75	323.5	.3420	73.86	1.423

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47112-A-13-B@5 Acquired: 11/20/2012 23:44:33 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1375.0	15460.	1495.8
Stddev	7.1	45.	6.9
%RSD	.51986	.28877	.45939

Sample Name: 460-47112-A-14-B@5 Acquired: 11/20/2012 23:48:41 Type: Unk

Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.38	.3751	-.0707	139.7	.0220	124100.	.0518
Stddev	22.18	4.398	1.016	.7	.0671	365.	.0571
%RSD	41.54	1172.	1437.	.4680	304.7	.2943	110.2

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.210	-2.605	1.536	1126.	25.13	1877.	362.0
Stddev	.191	.682	.667	7.	86.03	11.	.9
%RSD	4.535	26.16	43.41	.6102	342.3	.5975	.2363

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 282400.	15.06	7.500	-.5231	.3704	-.0473	.4894
Stddev	1279.	.98	.157	2.287	4.482	.9067	.3408
%RSD	.4528	6.511	2.093	437.2	1210.	1917.	69.64

Check ? **Chk Fail** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit **250000.**
Low Limit **-5000.**

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	85.60	301.4	1.203	1.230	846.1	2.147	5853.
Stddev	.39	1.9	.375	1.360	.6	1.610	31.
%RSD	.4580	.6210	31.12	110.6	.0694	74.99	.5360

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47112-A-14-B@5 Acquired: 11/20/2012 23:48:41 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1390.9	15569.	1506.0
Stddev	3.3	18.	3.8
%RSD	.23451	.11374	.25341

Sample Name: 460-47112-A-15-B@5 Acquired: 11/20/2012 23:52:54 Type: Unk

Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	90.21	1.595	-.7086	175.7	.4871	3617.	-.1242
Stddev	28.03	3.186	.5200	.7	.2259	39.	.1051
%RSD	31.07	199.8	73.39	.3782	46.38	1.085	84.60

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.165	-.3168	.7579	3619.	-190.1	686.2	974.5
Stddev	.415	.9367	.2265	15.	86.0	4.3	6.7
%RSD	35.66	295.7	29.88	.4261	45.23	.6326	.6831

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 277500.	2.723	8.106	-3.003	-3.137	.3651	.6745
Stddev	2103.	.234	.623	3.180	5.061	2.128	.8396
%RSD	.7578	8.611	7.688	105.9	161.4	582.8	124.5

Check ? **Chk Fail** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit **250000.**
Low Limit **-5000.**

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35.59	297.6	.0123	.6479	25.64	.3368	3030.
Stddev	.13	1.5	.1932	1.685	.27	.8321	42.
%RSD	.3525	.5148	1566.	260.0	1.058	247.0	1.380

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47112-A-15-B@5 Acquired: 11/20/2012 23:52:54 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1400.0	15718.	1503.8
Stddev	5.2	30.	2.8
%RSD	.37192	.19367	.18415

Sample Name: 460-47112-A-21-B@5 Acquired: 11/20/2012 23:57:06 Type: Unk

Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58.26	2.129	.0540	159.4	-.1182	103200.	.8489
Stddev	32.83	3.308	.5719	.5	.1681	106.	.0409
%RSD	56.36	155.4	1058.	.2977	142.3	.1027	4.814

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.720	-1.577	39.96	-4.757	-91.71	3755.	225.7
Stddev	.636	.625	.66	4.067	56.08	19.	.9
%RSD	23.37	39.66	1.648	85.49	61.15	.5137	.4123

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 282600.	14.29	23.72	-.0291	-1.992	3.511	11.96
Stddev	149.	.72	1.60	1.413	6.538	2.176	.59
%RSD	.0527	5.032	6.726	4861.	328.3	61.98	4.956

Check ? **Chk Fail** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit **250000.**
Low Limit **-5000.**

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	261.2	304.3	.5370	.4025	597.2	1.878	5014.
Stddev	.9	1.7	.6481	1.192	1.5	2.081	42.
%RSD	.3415	.5475	120.7	296.1	.2480	110.8	.8437

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47112-A-21-B@5 Acquired: 11/20/2012 23:57:06 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1385.8	15493.	1502.6
Stddev	7.4	62.	4.6
%RSD	.53149	.39950	.30581

Sample Name: 460-47112-A-22-B@5 Acquired: 11/21/2012 0:01:14 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	102.0	4.558	.3060	205.4	.2915	11770.	.1084
Stddev	17.5	2.306	.4641	.7	.1531	34.	.2085
%RSD	17.19	50.61	151.6	.3322	52.54	.2867	192.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.463	-.3238	3.844	2088.	-310.0	602.0	1151.
Stddev	.248	.2645	.184	32.	41.2	6.0	1.
%RSD	4.538	81.69	4.793	1.521	13.28	.9901	.0958

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 283400.	11.23	45.39	2.251	-5.126	1.902	.2364
Stddev	1092.	.36	1.96	2.735	1.457	2.435	.5718
%RSD	.3852	3.165	4.316	121.5	28.42	128.0	241.8

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	74.59	297.9	.4294	.9564	43.65	-.9897	3068.
Stddev	.36	.8	.2826	.0922	.21	2.324	56.
%RSD	.4834	.2580	65.83	9.645	.4805	234.8	1.820

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47112-A-22-B@5 Acquired: 11/21/2012 0:01:14 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1415.1	15756.	1515.1
Stddev	3.7	37.	3.6
%RSD	.26344	.23525	.23666

Sample Name: Ib 460-136257/1-b@5 Acquired: 11/21/2012 0:05:21 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-15.69	.1257	.1052	6.261	-.3081	69.31	-.1120
Stddev	7.40	3.465	.3104	.064	.1437	8.75	.1025
%RSD	47.18	2757.	294.9	1.014	46.65	12.63	91.50

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5404	.4305	1.094	10.71	-1009.	13.89	.3964
Stddev	.2954	.4084	.343	12.99	120.	8.88	.1224
%RSD	54.67	94.88	31.35	121.3	11.90	63.95	30.88

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 274400.	2.052	2.639	1.117	-.2597	.5093	.2754
Stddev	1232.	.282	2.250	3.316	1.908	.6500	.5722
%RSD	.4491	13.72	85.28	297.0	734.7	127.6	207.7

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.112	240.9	.4612	1.236	.4301	-1.162	3438.
Stddev	.186	1.5	.5932	.810	.1791	3.151	8.
%RSD	3.045	.6061	128.6	65.53	41.65	271.2	.2325

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: lb 460-136257/1-b@5 Acquired: 11/21/2012 0:05:21 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1372.4	15460.	1471.2
Stddev	2.1	86.	6.5
%RSD	.15207	.55779	.44253

Sample Name: MB 460-136316/1-A Acquired: 11/21/2012 0:09:37 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.843	.5720	.4286	-.2366	-.2991	-14.49
Stddev	9.407	2.358	.9644	.0894	.0511	12.64
%RSD	244.7	412.3	225.0	37.78	17.09	87.26

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0987	.3364	-.3741	-.7148	-2.263	42.61
Stddev	.0808	.4359	.1803	.3972	4.934	45.25
%RSD	81.85	129.6	48.19	55.57	218.0	106.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.615	-.1311	240.3	-.4440	1.973	2.091
Stddev	6.269	.0415	55.0	.2214	2.160	2.216
%RSD	239.8	31.69	22.87	49.87	109.5	106.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.387	3.427	-.1107	.0523	1.808	.2127
Stddev	2.942	2.035	.9009	.1947	.592	.2053
%RSD	212.1	59.37	813.7	372.1	32.73	96.49

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-136316/1-A Acquired: 11/21/2012 0:09:37 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.565	.0148	-2.200	5.994
Stddev	1.092	.1195	3.958	16.76
%RSD	69.78	809.8	179.9	279.7

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1425.6	16302.	1487.0
Stddev	6.5	44.	8.0
%RSD	.45535	.26871	.53956

Sample Name: LCS 460-136316/2-A Acquired: 11/21/2012 0:13:52 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2118.	2001.	51.10	2107.	52.53	21940.
Stddev	45.	7.	.60	11.	.53	38.
%RSD	2.137	.3327	1.165	.5267	1.001	.1742

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.82	529.2	210.1	256.4	1058.	21250.
Stddev	.25	2.4	.9	1.4	20.	104.
%RSD	.4659	.4567	.4119	.5450	1.922	.4904

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20640.	531.0	21450.	537.2	538.9	503.6
Stddev	40.	1.8	90.	1.7	3.4	3.4
%RSD	.1946	.3437	.4204	.3171	.6285	.6735

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2002.	2252.	515.1	524.2	503.5	512.2
Stddev	9.	12.	1.5	.9	3.3	2.3
%RSD	.4727	.5366	.2852	.1686	.6554	.4507

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: LCS 460-136316/2-A Acquired: 11/21/2012 0:13:52 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	533.9	512.8	516.6	22.31
Stddev	2.1	2.4	3.3	18.67
%RSD	.4025	.4721	.6341	83.67

Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1429.4	16137.	1501.6
Stddev	6.8	9.	8.3
%RSD	.47790	.05718	.55450

Sample Name: 460-47222-D-1-B DU Acquired: 11/21/2012 0:17:52 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.318	3.224	2.542	933.6	-.3836	83850.	-.2141
Stddev	22.45	3.250	.779	6.2	.2602	548.	.0474
%RSD	269.9	100.8	30.63	.6659	67.82	.6540	22.13

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.849	-1.034	-.2837	6739.	1991.	26250.	F 13970.
Stddev	.229	.312	.5322	57.	49.	191.	121.
%RSD	2.911	30.20	187.6	.8485	2.456	.7279	.8622

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							10000.
Low Limit							-15.00

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9978.	7.346	2.883	.9415	2.331	-10.70	-.6066
Stddev	63.	.570	2.224	.8578	2.037	1.74	.1178
%RSD	.6317	7.765	77.14	91.11	87.36	16.23	19.42

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.221	80.54	1.366	.6955	316.8	1.459	5613.
Stddev	.268	1.55	.479	.6552	2.3	1.143	24.
%RSD	3.263	1.928	35.06	94.20	.7276	78.33	.4338

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47222-D-1-B DU Acquired: 11/21/2012 0:17:52 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1419.8	16054.	1503.2
Stddev	5.4	43.	5.7
%RSD	.37753	.26486	.37702

Sample Name: 460-47222-D-1-A Acquired: 11/21/2012 0:22:12 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.943	.2295	2.745	940.6	-.3733	83320.	-.3198
Stddev	40.56	2.234	.651	2.3	.1222	614.	.1401
%RSD	682.4	973.3	23.70	.2439	32.74	.7363	43.82

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.211	-1.320	.6420	6805.	2008.	26330.	F 13840.
Stddev	.515	.408	.2648	7.	67.	93.	91.
%RSD	6.271	30.95	41.25	.1007	3.344	.3542	.6612

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							10000.
Low Limit							-15.00

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9977.	7.794	3.326	2.462	.4131	-12.54	-.6011
Stddev	43.	.184	.676	.270	8.400	2.17	.3844
%RSD	.4288	2.357	20.32	10.96	2033.	17.28	63.96

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.017	78.67	1.625	1.082	314.5	1.207	5648.
Stddev	.153	.36	.194	.968	2.3	2.699	53.
%RSD	1.902	.4528	11.95	89.47	.7380	223.7	.9377

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47222-D-1-A Acquired: 11/21/2012 0:22:12 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1414.6	16012.	1502.9
Stddev	5.7	75.	6.9
%RSD	.40345	.46769	.46228

Sample Name: CCV Acquired: 11/21/2012 0:26:35 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124400.	2461.	1234.	10030.	992.8	125600.
Stddev	550.	23.	2.	92.	3.4	571.
%RSD	.4416	.9341	.1559	.9207	.3465	.4543

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1252.	2499.	5009.	12370.	100600.	49890.
Stddev	10.	17.	10.	1.	84.	28.
%RSD	.7758	.6867	.2003	.0120	.0834	.0552

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124500.	5011.	125300.	2506.	7529.	983.3
Stddev	268.	2.	152.	15.	56.	10.0
%RSD	.2153	.0352	.1209	.6100	.7383	1.017

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2489.	2520.	2495.	2506.	995.7	2489.
Stddev	17.	14.	2.	20.	5.9	14.
%RSD	.7016	.5686	.0940	.8006	.5885	.5757

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/21/2012 0:26:35 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	998.8	4972.	9943.	9518.
Stddev	6.8	11.	11.	43.
%RSD	.6771	.2200	.1137	.4522

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1344.4	15135.	1470.8
Stddev	9.6	26.	4.9
%RSD	.71508	.16941	.33369

Sample Name: CCB Acquired: 11/21/2012 0:30:30 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.415	-1.377	-.1308	.1056	-.0292	-1.445
Stddev	39.25	.214	.7256	.2635	.0455	26.09
%RSD	724.9	15.51	554.8	249.4	155.8	1806.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0841	.2426	-.0056	.4504	15.98	96.57
Stddev	.0549	.5959	.7058	.6882	9.14	28.66
%RSD	65.26	245.6	12600.	152.8	57.18	29.68

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5943	.2892	80.63	-.2099	-.4333	-.1450
Stddev	13.83	.3602	23.19	.3774	1.456	.4364
%RSD	2327.	124.5	28.76	179.8	336.0	301.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.325	2.681	.7797	.3479	2.674	5.074
Stddev	.838	1.762	.3367	.3394	1.225	3.701
%RSD	25.20	65.71	43.18	97.56	45.82	72.94

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/21/2012 0:30:30 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6037	.4925	-.0111	-2.773
Stddev	.3065	.2353	1.391	31.04
%RSD	50.77	47.78	12550.	1120.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1448.2	16290.	1485.4
Stddev	3.8	36.	10.3
%RSD	.26566	.22395	.69607

Sample Name: sd 460-47222-D-1-A Acquired: 11/21/2012 0:34:49 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-9.663	1.321	.6914	185.0	-.1714	16500.	-.2410	1.749	-1.172
Stddev	15.22	1.794	.6117	.8	.1044	173.	.1572	.356	.422
%RSD	157.6	135.7	88.48	.4139	60.92	1.050	65.21	20.36	36.03

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3141	1346.	446.3	5317.	2864.	2018.	1.357	2.347	-.8266
Stddev	.3569	28.	35.8	5.	7.	6.	.607	1.970	.6872
%RSD	113.6	2.088	8.028	.0982	.2397	.2747	44.75	83.94	83.13

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.020	.4695	.6630	1.818	16.70	1.346	.4695	62.34	-2.985
Stddev	2.253	.4349	.3798	.271	.87	.426	1.276	.42	1.814
%RSD	220.8	92.64	57.28	14.89	5.223	31.65	271.7	.6815	60.76

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1063.
Stddev	12.
%RSD	1.094

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: sd 460-47222-D-1-A Acquired: 11/21/2012 0:34:49 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1446.3	16243.	1499.3
Stddev	5.7	43.	11.1
%RSD	.39512	.26667	.74183

Sample Name: 460-47222-D-1-C MS Acquired: 11/21/2012 0:39:05 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2079.	1949.	53.08	2927.	51.18	103400.	50.16
Stddev	58.	3.	1.36	7.	.54	786.	.27
%RSD	2.808	.1724	2.557	.2539	1.054	.7598	.5306

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	509.6	204.1	252.7	7849.	22680.	46990.	F 14380.
Stddev	1.8	1.1	.9	18.	52.	12.	193.
%RSD	.3621	.5332	.3565	.2337	.2281	.0256	1.345

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							10000.
Low Limit							-15.00

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30910.	518.2	512.0	494.0	1952.	2085.	503.7
Stddev	135.	1.7	4.7	3.2	9.	6.	3.0
%RSD	.4363	.3283	.9171	.6532	.4367	.2921	.5973

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	503.5	567.6	491.3	516.4	810.9	503.7	5726.
Stddev	.3	1.7	.3	.4	3.4	5.4	54.
%RSD	.0569	.3045	.0700	.0809	.4230	1.079	.9411

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47222-D-1-C MS Acquired: 11/21/2012 0:39:05 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1416.1	15778.	1498.3
Stddev	2.5	67.	8.9
%RSD	.17308	.42465	.59187

Sample Name: pds 460-47222-D-1-A Acquired: 11/21/2012 0:43:17 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2008.	1900.	46.71	2861.	49.55	101200.	48.65
Stddev	26.	6.	.19	5.	.21	663.	.07
%RSD	1.280	.3281	.4115	.1759	.4203	.6552	.1510

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	493.9	195.0	242.7	7621.	21970.	45140.	F 14090.
Stddev	1.4	1.3	.3	38.	140.	283.	157.
%RSD	.2935	.6519	.1372	.4987	.6368	.6273	1.111

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							10000.
Low Limit							-15.00

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29780.	501.6	495.8	479.5	1890.	2048.	484.9
Stddev	181.	1.6	.6	1.3	14.	3.	1.8
%RSD	.6089	.3243	.1252	.2634	.7571	.1586	.3656

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	491.7	551.9	479.7	501.2	785.8	485.0	5618.
Stddev	2.2	2.7	1.9	2.7	5.9	5.8	49.
%RSD	.4546	.4884	.3895	.5337	.7572	1.188	.8698

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: pds 460-47222-D-1-A Acquired: 11/21/2012 0:43:17 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1411.2	15857.	1501.1
Stddev	3.1	45.	4.5
%RSD	.21795	.28438	.30009

Sample Name: 460-47222-D-2-A Acquired: 11/21/2012 0:47:29 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.351	3.043	-.0035	272.9	-.3259	28130.	.1578	25.53	-.7698
Stddev	14.66	1.036	.3123	1.1	.2358	320.	.1229	.45	.4553
%RSD	437.5	34.04	9006.	.3987	72.36	1.138	77.90	1.746	59.15

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3532	411.4	1971.	10270.	4201.	12460.	12.85	4.872	-1.901
Stddev	.5638	7.0	57.	32.	11.	122.	.62	.948	1.335
%RSD	159.6	1.710	2.911	.3149	.2559	.9764	4.844	19.45	70.25

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.426	-3.924	.2042	10.16	38.40	4.562	1.443	207.4	-1.623
Stddev	2.183	2.857	.4525	.22	.55	.474	.986	2.7	2.281
%RSD	90.00	72.81	221.6	2.131	1.438	10.39	68.33	1.282	140.5

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	6857.
Stddev	35.
%RSD	.5175

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47222-D-2-A Acquired: 11/21/2012 0:47:29 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1435.6	16088.	1488.6
Stddev	.9	33.	10.8
%RSD	.06057	.20216	.72735

Sample Name: 460-47222-D-3-A Acquired: 11/21/2012 0:51:46 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.312	3.532	.4073	774.5	-.1519	75070.	-.6389	10.95	-.2451
Stddev	40.77	1.325	.5102	5.7	.0971	290.	.1552	.17	.8777
%RSD	645.8	37.50	125.3	.7411	63.91	.3861	24.29	1.511	358.1

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9458	39530.	3146.	44390.	2883.	7470.	4.036	2.491	-1.338
Stddev	.2390	61.	104.	180.	11.	36.	.759	1.815	4.052
%RSD	25.27	.1555	3.293	.4047	.3789	.4817	18.80	72.85	302.7

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3591	-2.158	.6029	6.326	90.43	1.748	1.272	418.3	-.6217
Stddev	1.433	.637	.7171	.252	.54	.948	1.156	.8	1.516
%RSD	399.1	29.52	118.9	3.981	.5940	54.23	90.87	.1980	243.8

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	7473.
Stddev	38.
%RSD	.5109

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47222-D-3-A Acquired: 11/21/2012 0:51:46 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1438.8	16116.	1523.2
Stddev	8.4	63.	4.5
%RSD	.58035	.39053	.29529

Sample Name: 460-47222-D-4-A Acquired: 11/21/2012 0:56:03 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.58	1.977	.7218	258.5	-.0920	57770.	-.2897	3.681	-1.430
Stddev	2.23	3.198	.5534	.7	.2250	197.	.1123	.082	.832
%RSD	15.27	161.8	76.66	.2749	244.6	.3412	38.77	2.217	58.22

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0389	6866.	5899.	36830.	7787.	23620.	.8374	3.451	1.263
Stddev	.7334	12.	51.	58.	8.	58.	.4747	.825	.567
%RSD	1883.	.1808	.8710	.1575	.0997	.2469	56.68	23.89	44.84

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.248	-5.118	-.0474	6.705	76.91	1.299	.8433	311.6	-1.125
Stddev	3.818	1.367	.5273	.279	.68	.550	1.715	.5	.551
%RSD	305.9	26.71	1111.	4.165	.8862	42.32	203.4	.1466	48.93

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	6444.
Stddev	41.
%RSD	.6395

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47222-D-4-A Acquired: 11/21/2012 0:56:03 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1437.7	16065.	1515.4
Stddev	2.7	16.	3.0
%RSD	.18630	.10030	.19788

Sample Name: 460-47222-D-5-A Acquired: 11/21/2012 1:00:19 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-17.52	9.143	.9859	220.0	-.3152	89260.	-.1234	.5138	-1.911
Stddev	10.65	2.428	.6815	.7	.3159	520.	.2427	.4304	.421
%RSD	60.82	26.56	69.12	.3358	100.2	.5826	196.8	83.78	22.04

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1814	3818.	12940.	84810.	3284.	15340.	-.0263	4.515	1.949
Stddev	.5560	28.	42.	130.	8.	56.	.4062	.958	1.985
%RSD	306.5	.7462	.3244	.1528	.2388	.3679	1545.	21.22	101.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.180	.4676	.6012	2.861	115.5	.4411	.2426	1036.	-.7817
Stddev	9.144	1.868	.6665	.178	.3	.3207	.4560	5.	.6652
%RSD	287.5	399.4	110.9	6.206	.2586	72.71	187.9	.4891	85.10

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	14490.
Stddev	53.
%RSD	.3627

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47222-D-5-A Acquired: 11/21/2012 1:00:19 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1393.4	15657.	1488.8
Stddev	.9	71.	2.9
%RSD	.06350	.45347	.19427

Sample Name: 460-47222-C-6-A Acquired: 11/21/2012 1:04:36 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.64	-1.786	-.0253	-.0009	-.0587	21.94	-.2659	.0567	.1238
Stddev	37.11	1.548	1.000	.0803	.2506	9.92	.1832	.1915	.7639
%RSD	272.0	866.7	3953.	9275.	426.8	45.22	68.91	337.7	617.3

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0030	1.256	67.62	12.95	.2368	161.8	-.3087	.9487	-2.145
Stddev	.4209	12.57	151.1	11.32	.2365	6.8	.6607	1.844	1.790
%RSD	13940.	1000.	223.4	87.39	99.86	4.217	214.1	194.4	83.44

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3033	2.910	.0868	1.336	2.721	.6811	.9484	.2758	-.3985
Stddev	4.660	1.513	.2309	.097	.396	.3863	1.164	.3699	1.737
%RSD	1536.	51.98	265.9	7.245	14.57	56.72	122.7	134.1	435.9

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	2.508
Stddev	24.09
%RSD	960.7

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47222-C-6-A Acquired: 11/21/2012 1:04:36 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1465.2	16489.	1509.8
Stddev	10.3	35.	3.1
%RSD	.70516	.20977	.20436

Sample Name: 460-47276-E-2-A Acquired: 11/21/2012 1:08:58 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	781.6	.6160	.0959	901.4	.0098	70360.	.4624	68.77	-.3808
Stddev	28.3	2.156	.7808	5.7	.1735	570.	.1107	.71	.9563
%RSD	3.625	350.0	814.0	.6346	1770.	.8102	23.94	1.029	251.2

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.042	925.7	5801.	36030.	1749.	74290.	12.46	4.807	-.3222
Stddev	.677	18.9	20.	124.	4.	527.	.78	1.372	2.406
%RSD	65.02	2.036	.3449	.3427	.2425	.7093	6.254	28.54	746.8

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.476	-.9763	2.004	22.70	9.120	.0232	.6517	1031.	10.26
Stddev	2.806	1.004	.452	.10	.619	.0363	.8421	7.	.62
%RSD	80.73	102.8	22.57	.4339	6.789	156.7	129.2	.7028	6.021

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	7955.
Stddev	134.
%RSD	1.683

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47276-E-2-A Acquired: 11/21/2012 1:08:58 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1451.3	16158.	1543.2
Stddev	9.6	16.	9.7
%RSD	.66481	.09768	.62578

Sample Name: 460-47251-D-2-A Acquired: 11/21/2012 1:13:20 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1081.	54.59	-2.827	70.58	-.0632	21680.	-2.954
Stddev	20.	2.65	.515	.81	.2067	81.	.197
%RSD	1.811	4.847	18.22	1.150	327.1	.3722	6.663

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.182	24.56	-3.601	F 200500.	6844.	9736.	634.7
Stddev	.179	.60	.144	628.	24.	11.	.8
%RSD	8.187	2.423	3.999	.3133	.3535	.1136	.1325

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				200000.			
Low Limit				-150.0			

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5416.	9.370	4.933	-5.660	5.192	.4296	16.56
Stddev	59.	.812	1.216	1.070	.595	.8135	.56
%RSD	1.090	8.668	24.65	18.90	11.45	189.4	3.355

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22.75	43.82	-.1678	4.803	96.76	29.44	5881.
Stddev	.37	.37	.2342	1.259	.26	1.36	56.
%RSD	1.617	.8433	139.6	26.21	.2688	4.628	.9441

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47251-D-2-A Acquired: 11/21/2012 1:13:20 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1448.7	16236.	1510.8
Stddev	1.0	94.	6.4
%RSD	.06727	.57833	.42123

Sample Name: CCV Acquired: 11/21/2012 1:17:45 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124400.	2452.	1237.	10030.	996.5	125500.
Stddev	828.	4.	4.	33.	8.8	798.
%RSD	.6657	.1804	.2898	.3261	.8838	.6359

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1249.	2499.	5017.	12460.	100500.	49860.
Stddev	3.	3.	9.	36.	126.	242.
%RSD	.2554	.1231	.1735	.2870	.1255	.4855

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124500.	5020.	125700.	2505.	7524.	988.7
Stddev	133.	10.	812.	4.	18.	3.8
%RSD	.1067	.1948	.6454	.1670	.2452	.3873

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2475.	2511.	2497.	2498.	999.6	2485.
Stddev	4.	5.	5.	6.	2.7	22.
%RSD	.1539	.2162	.1938	.2345	.2714	.8812

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/21/2012 1:17:45 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	995.3	4988.	9921.	9774.
Stddev	3.9	39.	70.	87.
%RSD	.3872	.7914	.7016	.8933

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1328.2	14951.	1452.5
Stddev	1.8	58.	19.4
%RSD	.13723	.38935	1.3338

Sample Name: CCB Acquired: 11/21/2012 1:21:49 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.293	-1.642	-.5162	.4613	-.0502	5.379
Stddev	58.53	.867	.2784	.2325	.2785	14.66
%RSD	930.0	52.76	53.93	50.40	554.5	272.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1698	.4598	.7769	.2605	17.86	46.77
Stddev	.1021	.5115	.3625	1.039	12.48	27.29
%RSD	60.12	111.3	46.66	398.8	69.89	58.36

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.112	.2494	44.98	-.2105	-.0892	-1.113
Stddev	15.86	.3841	25.97	.2342	.1326	.453
%RSD	310.3	154.0	57.73	111.3	148.6	40.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3641	3.539	-.5357	.3054	1.840	5.705
Stddev	3.630	1.167	.6487	.4214	.560	3.768
%RSD	997.0	32.97	121.1	138.0	30.45	66.05

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/21/2012 1:21:49 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.466	.6043	-1.450	2.508
Stddev	1.664	.4749	1.471	24.99
%RSD	113.5	78.58	101.5	996.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1446.9	16107.	1478.8
Stddev	2.6	59.	11.0
%RSD	.17915	.36785	.74587

Sample Name: 460-47251-D-3-A Acquired: 11/21/2012 1:26:16 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	466.1	7.947	-1.222	41.93	-1.1092	9043.	-2.221	2.326
Stddev	36.9	2.429	1.155	.15	.1365	57.	.110	.193
%RSD	7.922	30.56	94.53	.3498	125.0	.6268	4.950	8.276

Check ? **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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.62	-4.253	149100.	3946.	5394.	330.0	11270.	3.228
Stddev	1.61	.387	725.	55.	39.	.8	58.	.675
%RSD	11.02	9.108	.4863	1.400	.7293	.2532	.5186	20.90

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.781	-2.437	.6574	1.375	6.337	9.715	63.21	.0429
Stddev	.904	2.420	4.416	1.172	.523	.060	1.27	.3625
%RSD	50.74	99.30	671.8	85.23	8.250	.6167	2.016	844.8

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.937	38.83	14.78	3470.
Stddev	.471	.12	.98	26.
%RSD	11.96	.3153	6.659	.7514

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47251-D-3-A Acquired: 11/21/2012 1:26:16 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1457.9	16209.	1512.2
Stddev	.8	20.	8.0
%RSD	.05351	.12435	.52910

Sample Name: 460-47251-D-4-A Acquired: 11/21/2012 1:30:37 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2003.	1.837	.1847	65.09	.0854	33840.	-.1080	43.04	17.01
Stddev	22.	3.142	.6015	.16	.1587	368.	.1062	.11	.66
%RSD	1.097	171.0	325.7	.2447	185.9	1.088	98.33	.2626	3.889

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.215	20510.	3135.	22380.	259.9	6076.	18.95	5.221	-2.423
Stddev	.294	139.	37.	122.	1.9	6.	.30	.973	2.454
%RSD	4.738	.6796	1.174	.5465	.7316	.0987	1.594	18.64	101.3

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5658	1.078	5.364	95.30	40.08	2.028	.8314	46.29	56.68
Stddev	4.046	2.503	.431	.47	.54	.284	.9055	.46	2.65
%RSD	715.1	232.2	8.045	.4981	1.349	13.99	108.9	.9943	4.669

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	4075.
Stddev	33.
%RSD	.8055

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47251-D-4-A Acquired: 11/21/2012 1:30:37 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1447.3	16236.	1501.2
Stddev	2.9	115.	8.4
%RSD	.19964	.70554	.55807

Sample Name: 460-47263-A-1-A Acquired: 11/21/2012 1:35:43 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.52	2.488	-.0579	16.09	.0007	21650.	.0653	.1736	-.7257
Stddev	29.19	2.654	1.169	.09	.2765	58.	.0896	.1882	.1512
%RSD	166.6	106.7	2018.	.5568	41640.	.2698	137.2	108.4	20.84

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3891	381.6	2740.	3446.	1023.	25590.	-.1437	2.654	-.3504
Stddev	.6469	26.5	75.	22.	3.	119.	.6628	1.375	.7462
%RSD	166.3	6.937	2.746	.6507	.3049	.4655	461.3	51.81	212.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.836	1.446	.0425	11.29	39.77	.4002	.6358	115.0	-1.188
Stddev	3.115	1.437	.7239	.22	.38	.2783	.3650	.8	1.281
%RSD	64.42	99.42	1703.	1.928	.9560	69.56	57.41	.6919	107.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	3990.
Stddev	6.
%RSD	.1417

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47263-A-1-A Acquired: 11/21/2012 1:35:43 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1457.8	16161.	1517.8
Stddev	3.1	64.	3.0
%RSD	.20955	.39419	.19674

Sample Name: MB 460-136422/1-A Acquired: 11/21/2012 1:40:15 Type: QC

Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36.34	2.216	-.8699	-.1114	.0260	8.879
Stddev	17.87	2.661	.5617	.2380	.0752	17.66
%RSD	49.19	120.1	64.57	213.7	288.9	198.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1756	.2402	-.2417	-.3841	-14.51	66.79
Stddev	.1642	.2136	.6670	1.110	8.09	16.38
%RSD	93.51	88.96	275.9	288.8	55.79	24.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9846	-.0451	5.305	-.4332	1.126	-1.372
Stddev	4.727	.1334	9.379	.0571	.513	.717
%RSD	480.1	295.7	176.8	13.18	45.54	52.26

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.920	2.097	-.2266	5.662	.5148	.2948
Stddev	2.035	1.765	.3149	.129	.4769	.5769
%RSD	106.0	84.17	139.0	2.279	92.63	195.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-136422/1-A Acquired: 11/21/2012 1:40:15 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.1519	.2091	-.4342	-7.392
Stddev	.8948	.1267	.6325	22.73
%RSD	589.1	60.58	145.7	307.5

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1461.9	16322.	1496.6
Stddev	5.7	55.	5.3
%RSD	.38669	.33835	.35338

Sample Name: LCS 460-136422/2-A Acquired: 11/21/2012 1:44:51 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1997.	1903.	49.49	1974.	51.08	21020.
Stddev	49.	10.	.69	11.	.54	323.
%RSD	2.471	.5024	1.385	.5689	1.051	1.535

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.41	503.3	202.2	249.1	1015.	20590.
Stddev	.21	2.6	1.2	2.3	15.	201.
%RSD	.4099	.5237	.6139	.9057	1.491	.9773

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20320.	518.6	20710.	512.7	509.9	485.4
Stddev	49.	3.5	251.	2.3	1.5	2.9
%RSD	.2432	.6659	1.211	.4577	.3036	.5876

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1975.	2171.	492.5	502.8	492.6	469.5
Stddev	11.	9.	1.2	3.2	2.6	4.7
%RSD	.5637	.4232	.2522	.6310	.5204	.9903

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: LCS 460-136422/2-A Acquired: 11/21/2012 1:44:51 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	511.2	497.4	494.2	24.28
Stddev	2.2	6.8	5.9	30.03
%RSD	.4321	1.373	1.186	123.7

Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1451.6	16050.	1493.9
Stddev	4.0	72.	11.0
%RSD	.27873	.44979	.73874

Sample Name: 460-47332-H-2-B DU Acquired: 11/21/2012 1:49:09 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	100.2	6.467	.4638	23.12	-.0683	70300.	-.1628	.6495
Stddev	25.1	1.343	.6476	.30	.1806	833.	.0616	.6670
%RSD	25.09	20.76	139.6	1.293	264.5	1.185	37.86	102.7

Check ?	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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.981	.4234	61.77	9898.	15340.	394.4	115700.	3.951
Stddev	.712	.4122	10.36	57.	57.	.4	1189.	.468
%RSD	35.93	97.35	16.77	.5739	.3747	.0921	1.028	11.84

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.392	-.3603	-4.819	3.215	.8386	6.334	117.5	5.290
Stddev	1.728	1.692	1.134	.985	.3414	.238	.5	1.294
%RSD	50.96	469.6	23.52	30.64	40.70	3.759	.4130	24.46

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6148	332.8	1.172	10870.
Stddev	.4113	3.0	1.287	129.
%RSD	66.91	.8898	109.8	1.183

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: 460-47332-H-2-B DU Acquired: 11/21/2012 1:49:09 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1426.4	15639.	1499.7
Stddev	7.3	15.	4.3
%RSD	.50964	.09730	.28884

Sample Name: 460-47332-H-2 Acquired: 11/21/2012 1:53:42 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	85.83	.6829	-.8912	23.03	.0896	69380.	-.1551	.7431
Stddev	34.47	4.467	.9488	.20	.1432	280.	.0189	.4321
%RSD	40.16	654.1	106.5	.8845	159.9	.4041	12.18	58.14

Check ? **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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.332	-.3105	56.47	9784.	15420.	395.3	115100.	3.498
Stddev	1.116	.8428	19.08	77.	89.	2.0	430.	.422
%RSD	83.77	271.4	33.80	.7902	.5799	.5025	.3735	12.07

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.968	2.273	-3.715	2.965	.7525	6.451	117.7	3.963
Stddev	1.007	1.164	2.335	1.522	.3928	.128	1.2	.163
%RSD	25.38	51.19	62.86	51.33	52.20	1.990	.9905	4.101

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.222	331.4	.5205	10850.
Stddev	.556	.7	3.735	52.
%RSD	45.51	.1981	717.6	.4830

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47332-H-2 Acquired: 11/21/2012 1:53:42 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1429.7	15726.	1510.2
Stddev	2.9	45.	4.9
%RSD	.20028	.28701	.32451

Sample Name: sd 460-47332-H-2-A Acquired: 11/21/2012 1:58:15 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.989	3.420	-.2447	4.437	-.2469	14220.	-.0774	.1929	-.7854
Stddev	8.764	.995	.4051	.107	.0683	40.	.1555	.0777	.2339
%RSD	125.4	29.10	165.6	2.412	27.64	.2786	200.9	40.28	29.79

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2243	12.95	2095.	3039.	79.78	23540.	.4700	-.3632	-1.780
Stddev	.2829	2.07	64.	25.	.71	90.	.2428	1.431	2.377
%RSD	126.1	15.97	3.055	.8303	.8903	.3834	51.67	394.0	133.6

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.402	3.037	.5702	1.449	23.02	.9639	.5285	67.52	-.8815
Stddev	1.159	2.965	.3574	.102	.36	.5595	1.371	.72	3.086
%RSD	82.70	97.63	62.68	7.060	1.564	58.04	259.4	1.069	350.1

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	2084.
Stddev	20.
%RSD	.9592

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: sd 460-47332-H-2-A Acquired: 11/21/2012 1:58:15 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1453.4	16124.	1499.8
Stddev	5.5	11.	3.4
%RSD	.37498	.06683	.22511

Sample Name: 460-47332-H-2-C MS Acquired: 11/21/2012 2:02:57 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2149.	1999.	50.99	2028.	51.36	90650.	51.13	506.1
Stddev	5.	4.	.49	4.	.46	617.	.18	1.1
%RSD	.2543	.2213	.9668	.2212	.9001	.6806	.3535	.2178

Check ? 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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	205.6	250.6	1096.	30340.	35600.	910.4	135800.	517.5
Stddev	1.0	1.4	14.	231.	112.	4.7	560.	.6
%RSD	.4655	.5473	1.300	.7617	.3149	.5200	.4126	.1221

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	514.2	501.7	2034.	2097.	510.9	518.2	624.6	490.1
Stddev	4.7	3.5	13.	7.	1.4	1.5	.6	2.5
%RSD	.9057	.6924	.6165	.3164	.2647	.2837	.0965	.5082

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	521.1	825.7	506.8	11180.
Stddev	.8	4.3	5.8	32.
%RSD	.1465	.5247	1.151	.2862

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-47332-H-2-C MS Acquired: 11/21/2012 2:02:57 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1416.2	15688.	1509.1
Stddev	.5	10.	7.8
%RSD	.03488	.06516	.51956

Sample Name: pds 460-47332-H-2-A Acquired: 11/21/2012 2:07:15 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1979.	1824.	41.61	1844.	47.38	87350.	46.55	461.6
Stddev	4.	18.	.52	13.	.45	784.	.52	2.9
%RSD	.1941	.9942	1.244	.6863	.9555	.8971	1.126	.6229

Check ? **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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	190.1	231.9	1012.	28770.	34140.	869.6	132200.	473.1
Stddev	.9	.4	16.	126.	56.	.8	1169.	2.9
%RSD	.4791	.1914	1.584	.4373	.1637	.0964	.8843	.6049

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	468.8	460.0	1854.	1923.	471.3	473.8	577.1	445.2
Stddev	5.3	1.4	12.	12.	1.5	3.4	3.0	2.1
%RSD	1.141	.2961	.6309	.6402	.3139	.7072	.5197	.4759

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	476.2	783.5	469.7	10760.
Stddev	3.1	4.2	3.6	41.
%RSD	.6516	.5309	.7590	.3766

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: pds 460-47332-H-2-A Acquired: 11/21/2012 2:07:15 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1434.5	15701.	1508.1
Stddev	6.2	25.	14.1
%RSD	.43423	.15906	.93363

Sample Name: CCV Acquired: 11/21/2012 2:11:37 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124200.	2451.	1244.	9906.	1007.	125900.
Stddev	375.	8.	3.	45.	2.	1076.
%RSD	.3017	.3091	.2279	.4555	.2241	.8547

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1239.	2489.	5035.	12620.	100900.	50540.
Stddev	6.	8.	31.	68.	535.	221.
%RSD	.5071	.3245	.6114	.5354	.5302	.4362

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125900.	5082.	126700.	2498.	7467.	985.1
Stddev	1078.	26.	355.	10.	23.	7.0
%RSD	.8566	.5094	.2800	.4076	.3136	.7151

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2480.	2509.	2500.	2482.	993.2	2460.
Stddev	17.	12.	10.	13.	2.8	19.
%RSD	.6995	.4654	.4107	.5429	.2787	.7762

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/21/2012 2:11:37 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	996.5	5057.	10020.	9532.
Stddev	5.6	15.	26.	69.
%RSD	.5611	.2974	.2566	.7290

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1355.8	15125.	1472.2
Stddev	4.1	37.	7.2
%RSD	.30558	.24331	.48935

Sample Name: CCB Acquired: 11/21/2012 2:15:51 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-11.58	1.823	.2004	.2935	-.2804	16.96
Stddev	39.59	2.271	.6938	.3463	.2330	21.48
%RSD	341.8	124.6	346.3	118.0	83.11	126.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2413	-.0966	.0053	.5262	12.98	115.5
Stddev	.2571	.2191	.8103	1.373	18.82	74.1
%RSD	106.6	226.8	15180.	261.0	145.0	64.13

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.548	.2509	74.70	-.2383	1.748	.3770
Stddev	6.292	.3184	34.18	.5803	.477	1.328
%RSD	246.9	126.9	45.76	243.5	27.29	352.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.249	3.142	.3479	.1549	3.366	6.249
Stddev	3.780	1.054	.6174	.1438	.725	3.935
%RSD	302.6	33.55	177.5	92.84	21.55	62.98

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/21/2012 2:15:51 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0822	.3952	-.2985	6.694
Stddev	1.659	.5025	2.013	17.10
%RSD	2017.	127.1	674.4	255.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1459.2	16232.	1490.0
Stddev	8.5	37.	11.1
%RSD	.58345	.22632	.74250

Sample Name: 460-47230-H-2-A Acquired: 11/21/2012 2:20:28 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20750.	9.357	4.858	14.28	22.94	155700.
Stddev	92.	1.867	.429	.06	.06	191.
%RSD	.4433	19.96	8.822	.3994	.2574	.1224

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.984	185.3	43.80	1693.	9321.	2707.
Stddev	.080	.6	.69	4.	5.	657.
%RSD	2.005	.3079	1.568	.2140	.0518	24.27

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	111100.	F 24660.	F 1216000.	160.2	22.71	-.8006
Stddev	423.	80.	38900.	.4	1.04	.7730
%RSD	.3809	.3243	3.198	.2736	4.597	96.56

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.	250000.			
Low Limit		-15.00	-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.499	F -26.43	1.053	623.9	13.18	-.0126
Stddev	1.522	.93	.185	1.8	.30	.2408
%RSD	23.42	3.532	17.51	.2942	2.241	1910.

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.				
Low Limit		-20.00				

Sample Name: 460-47230-H-2-A Acquired: 11/21/2012 2:20:28 Type: Unk
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1926	599.5	43.94	F 24320.
Stddev	.7706	1.3	.97	99.
%RSD	400.1	.2192	2.205	.4062

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	2726.5	29009.	3245.4
Stddev	9.5	56.	12.6
%RSD	.34886	.19233	.38795

Sample Name: 460-47230-H-3-A Acquired: 11/21/2012 2:25:11 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4673.	13.46	6.930	31.28	9.711	177900.
Stddev	25.	.64	.841	.03	.131	628.
%RSD	.5323	4.727	12.14	.1050	1.351	.3531

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7699	275.1	18.13	229.8	136600.	5007.
Stddev	.0626	.2	.51	1.0	372.	51.
%RSD	8.134	.0618	2.838	.4239	.2720	1.024

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47670.	F 37650.	F 1127000.	50.26	11.67	-1.967
Stddev	233.	298.	6125.	.20	.98	.934
%RSD	.4897	.7902	.5434	.4040	8.409	47.49

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.	250000.			
Low Limit		-15.00	-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.239	F -32.90	1.928	235.2	35.00	-2.623
Stddev	1.821	.50	.357	.5	.16	.242
%RSD	29.19	1.527	18.49	.2322	.4615	9.246

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.				
Low Limit		-20.00				

Sample Name: 460-47230-H-3-A Acquired: 11/21/2012 2:25:11 Type: Unk
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.319	819.3	7.336	11260.
Stddev	.511	4.2	.940	60.
%RSD	38.75	.5127	12.82	.5349

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	2647.5	28371.	3102.4
Stddev	9.0	165.	27.3
%RSD	.33863	.58169	.87886

Sample Name: 460-47230-H-6-A Acquired: 11/21/2012 2:29:51 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	271.3	3.387	-7133	219.4	-0910	38870.	-1372	9.143	1.892
Stddev	23.9	.634	.5865	.4	.2282	297.	.0958	.173	.241
%RSD	8.804	18.72	82.23	.1950	250.7	.7645	69.81	1.890	12.72

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.187	2489.	6373.	2263.	53.15	69250.	3.268	1.087	-.7507
Stddev	.425	17.	130.	12.	6.12	451.	.380	1.659	1.256
%RSD	19.44	.6659	2.045	.5486	11.52	.6505	11.64	152.6	167.3

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.830	2.848	1.019	4.653	30.29	12.68	.7904	435.3	8.892
Stddev	2.170	1.359	.305	.206	.55	.23	.6807	3.7	2.650
%RSD	56.65	47.73	29.93	4.433	1.830	1.779	86.12	.8485	29.80

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1278.
Stddev	4.
%RSD	.3145

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47230-H-6-A Acquired: 11/21/2012 2:29:51 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1509.8	16606.	1579.5
Stddev	6.5	46.	5.9
%RSD	.42756	.27552	.37125

Sample Name: 460-47106-H-1-C Acquired: 11/21/2012 2:34:23 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.71	1.643	-.5364	60.06	-.1451	77450.	-.1774
Stddev	20.11	3.034	.2470	.21	.0880	260.	.0369
%RSD	42.15	184.7	46.05	.3469	60.65	.3362	20.80

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.875	-1.742	1.160	37.28	13580.	39190.	1596.
Stddev	.386	1.467	.452	22.81	109.	72.	4.
%RSD	20.58	84.23	38.96	61.20	.7986	.1845	.2435

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 293400.	5.560	4.102	.7014	-2.982	1.963	1.484
Stddev	1129.	.368	2.558	2.326	3.633	1.946	.293
%RSD	.3847	6.627	62.36	331.7	121.9	99.12	19.76

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	82.99	236.0	.6820	-.7862	975.6	-1.954	8014.
Stddev	.15	1.3	.3030	.8581	4.5	.885	51.
%RSD	.1759	.5642	44.43	109.1	.4600	45.30	.6353

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47106-H-1-C Acquired: 11/21/2012 2:34:23 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1451.8	15869.	1577.5
Stddev	3.1	78.	1.8
%RSD	.21517	.49104	.11452

Sample Name: 460-47165-H-1-G Acquired: 11/21/2012 2:38:55 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43.03	5.117	-.7935	41.56	.0170	86210.	-.1549	-.0753
Stddev	19.37	1.070	.9925	.42	.0423	112.	.0522	.2336
%RSD	45.03	20.91	125.1	1.011	248.8	.1297	33.68	310.1

Check ?	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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.368	.0190	39.88	10300.	17250.	722.3	161300.	1.325
Stddev	.936	.3248	8.25	101.	72.	1.4	273.	.690
%RSD	68.37	1711.	20.68	.9818	.4192	.1931	.1692	52.03

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.462	.7933	-.6459	1.214	3.215	2.742	71.72	8.844
Stddev	2.383	1.136	2.924	1.408	.250	.134	.16	.321
%RSD	68.85	143.3	452.7	116.0	7.767	4.882	.2225	3.632

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.9389	395.2	.1972	9883.
Stddev	.9306	1.2	1.049	64.
%RSD	99.12	.3065	531.9	.6483

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: 460-47165-H-1-G Acquired: 11/21/2012 2:38:55 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1483.0	16295.	1591.1
Stddev	4.7	94.	13.6
%RSD	.31454	.57653	.85651

Sample Name: 460-47215-A-5-B Acquired: 11/21/2012 2:43:27 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	61.14	4.360	-6149	46.43	-.2412	82400.
Stddev	21.36	2.497	.6652	.17	.2508	563.
%RSD	34.94	57.27	108.2	.3681	104.0	.6837

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1626	-1.459	1.254	.0640	84.87	58870.
Stddev	.0943	.324	.372	.5311	11.99	429.
%RSD	58.01	22.22	29.69	829.6	14.13	.7279

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	111000.	44.62	F 1088000.	1.943	2.073	.8117
Stddev	824.	.35	16650.	.252	1.769	2.092
%RSD	.7426	.7932	1.531	12.96	85.31	257.7

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.249	2.552	.9135	1.456	351.0	7.607
Stddev	2.090	.802	.5950	.336	1.2	.387
%RSD	39.81	31.42	65.14	23.06	.3408	5.087

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47215-A-5-B Acquired: 11/21/2012 2:43:27 Type: Unk
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4802	1161.	-.0406	3819.
Stddev	.4501	6.	.3963	59.
%RSD	93.73	.5156	975.2	1.554

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1364.9	14819.	1526.4
Stddev	4.0	44.	15.1
%RSD	.29430	.29950	.98841

Sample Name: 460-47332-H-1-A Acquired: 11/21/2012 2:48:07 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.80	3.391	.2422	35.04	-.1568	73390.	-.1011	.5421
Stddev	17.62	2.648	.4249	.20	.0394	592.	.0646	.1766
%RSD	32.74	78.11	175.4	.5800	25.12	.8071	63.88	32.57

Check ? **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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.581	.2282	51.25	10760.	16780.	520.9	137300.	1.363
Stddev	.756	.8230	5.71	175.	105.	2.7	554.	.390
%RSD	47.80	360.7	11.15	1.626	.6243	.5221	.4033	28.62

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.942	-1.416	-1.529	.7148	2.059	3.245	93.61	4.429
Stddev	1.218	1.476	4.562	1.118	.758	.136	.79	.102
%RSD	30.89	104.2	298.3	156.4	36.82	4.201	.8479	2.315

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.429	354.3	.1937	10410.
Stddev	.594	2.8	1.431	68.
%RSD	41.55	.7888	739.0	.6520

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47332-H-1-A Acquired: 11/21/2012 2:48:07 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1467.8	16159.	1563.3
Stddev	3.0	77.	7.4
%RSD	.20361	.47956	.47446

Sample Name: 460-47332-H-3-A Acquired: 11/21/2012 2:52:40 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1309.	5.126	-1.085	200.6	-.0453	72900.	-.0720	1.187	27.82
Stddev	38.	3.670	.895	.5	.1234	312.	.0864	.470	.83
%RSD	2.911	71.59	82.51	.2724	272.4	.4280	120.0	39.55	2.969

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.629	1372.	18430.	14600.	989.5	85090.	3.984	6.763	-.2718
Stddev	.515	2.	73.	44.	2.9	247.	.425	1.276	2.928
%RSD	9.145	.1105	.3956	.3044	.2908	.2903	10.67	18.86	1077.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.821	3.249	7.222	28.67	191.3	11.79	-.2736	378.2	42.68
Stddev	3.037	1.428	.266	.18	.6	.43	2.390	2.4	1.95
%RSD	79.49	43.97	3.684	.6276	.3270	3.657	873.6	.6325	4.562

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	12290.
Stddev	18.
%RSD	.1456

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47332-H-3-A Acquired: 11/21/2012 2:52:40 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1494.5	16410.	1585.0
Stddev	5.0	68.	1.6
%RSD	.33172	.41184	.10264

Sample Name: 460-47335-H-1-A Acquired: 11/21/2012 2:57:12 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	637.2	21.01	.0443	23.85	-.0700	38720.	-.0608
Stddev	32.6	2.11	.1845	.08	.2012	129.	.1513
%RSD	5.110	10.05	416.5	.3417	287.5	.3332	248.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1145	3.366	11.58	1366.	24420.	40360.	73.60
Stddev	.3170	.122	.50	18.	208.	259.	.43
%RSD	276.9	3.635	4.359	1.350	.8517	.6411	.5902

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 710000.	25.60	13.31	1.496	-1.669	2.082	135.2
Stddev	8597.	.43	1.99	2.787	1.267	3.374	1.2
%RSD	1.211	1.687	14.97	186.3	75.92	162.1	.8724

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29.19	804.6	20.58	.8917	514.5	26.82	F 29400.
Stddev	.66	1.9	.05	.4671	5.3	1.90	57.
%RSD	2.269	.2403	.2575	52.38	1.022	7.073	.1935

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							20000.
Low Limit							-200.0

Sample Name: 460-47335-H-1-A Acquired: 11/21/2012 2:57:12 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1429.5	15412.	1557.7
Stddev	4.6	55.	8.3
%RSD	.31978	.35956	.53341

Sample Name: 460-47335-H-2-A Acquired: 11/21/2012 3:01:45 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	456.5	19.21	-9156	23.30	-.0621	40040.	.0001
Stddev	26.4	3.20	.7418	.24	.1101	81.	.0433
%RSD	5.793	16.67	81.02	1.038	177.3	.2031	38650.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0656	2.727	10.71	1203.	24790.	39720.	80.47
Stddev	.1363	.509	.79	16.	89.	337.	.12
%RSD	207.6	18.65	7.335	1.299	.3590	.8477	.1513

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 702800.	25.78	12.56	2.158	-1.607	3.059	132.9
Stddev	8926.	.32	1.11	.403	3.843	.573	.7
%RSD	1.270	1.253	8.867	18.67	239.1	18.73	.5527

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27.61	826.7	20.37	.9930	527.7	22.55	F 28940.
Stddev	.18	1.6	.36	1.121	.4	1.47	146.
%RSD	.6685	.1883	1.771	112.9	.0776	6.505	.5036

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							20000.
Low Limit							-200.0

Sample Name: 460-47335-H-2-A Acquired: 11/21/2012 3:01:45 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1428.3	15490.	1559.4
Stddev	9.5	103.	11.8
%RSD	.66859	.66750	.75587

Sample Name: CCV Acquired: 11/21/2012 3:06:26 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124200.	2471.	1244.	9993.	982.8	124400.
Stddev	315.	17.	4.	45.	4.5	637.
%RSD	.2535	.6992	.3220	.4503	.4617	.5123

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1248.	2504.	5041.	12500.	101000.	50290.
Stddev	5.	9.	8.	83.	183.	256.
%RSD	.4255	.3672	.1650	.6616	.1809	.5097

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125400.	5027.	126400.	2513.	7487.	993.8
Stddev	261.	28.	458.	8.	28.	5.3
%RSD	.2078	.5574	.3624	.3190	.3802	.5288

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2505.	2504.	2513.	2486.	1004.	2482.
Stddev	6.	16.	7.	11.	1.	12.
%RSD	.2487	.6497	.2760	.4470	.1391	.4866

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/21/2012 3:06:26 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	997.8	4995.	9910.	9468.
Stddev	4.3	27.	24.	91.
%RSD	.4263	.5372	.2388	.9604

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1402.0	15724.	1549.4
Stddev	5.5	109.	7.7
%RSD	.39238	.69407	.49720

Sample Name: CCB Acquired: 11/21/2012 3:10:38 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.39	-.7789	.1143	.2587	-.1225	4.766
Stddev	5.21	2.322	.7533	.1968	.0309	19.23
%RSD	24.38	298.1	659.0	76.10	25.23	403.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1759	.0124	-.0471	.6842	12.90	147.4
Stddev	.0300	.0931	.6031	.2521	18.19	55.3
%RSD	17.04	753.0	1279.	36.84	141.0	37.50

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.079	.2679	257.1	-.1070	1.434	-1.896
Stddev	9.526	.4030	17.5	.5034	.644	2.459
%RSD	458.2	150.4	6.806	470.5	44.91	129.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.882	1.466	.4151	.2330	4.212	5.606
Stddev	2.660	2.111	.5204	.3520	.407	4.208
%RSD	141.3	144.0	125.4	151.1	9.653	75.06

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/21/2012 3:10:38 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6037	.4728	-1.155	-13.54
Stddev	1.181	.3623	1.689	3.76
%RSD	195.6	76.62	146.2	27.80

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1523.4	16887.	1574.9
Stddev	5.4	72.	9.9
%RSD	.35382	.42878	.62686

Sample Name: 460-47335-H-3-A Acquired: 11/21/2012 3:15:14 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	321.7	19.80	.0040	69.19	-.0845	37540.	-.0181
Stddev	12.1	3.39	.6493	.26	.1130	116.	.1634
%RSD	3.767	17.13	16230.	.3758	133.8	.3090	903.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1458	4.995	13.62	1461.	22570.	38210.	79.50
Stddev	.0946	.293	.70	19.	102.	119.	.21
%RSD	64.86	5.866	5.153	1.306	.4525	.3116	.2668

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 736900.	43.04	16.99	-3.607	-3.993	2.802	146.7
Stddev	8616.	.35	1.84	4.047	3.416	2.402	.2
%RSD	1.169	.8048	10.84	112.2	85.57	85.75	.1690

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.35	936.5	21.41	1.045	453.8	34.21	F 32880.
Stddev	.28	1.5	.15	.699	1.3	1.22	266.
%RSD	1.062	.1614	.6808	66.89	.2831	3.565	.8099

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							20000.
Low Limit							-200.0

Sample Name: 460-47335-H-3-A Acquired: 11/21/2012 3:15:14 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1435.8	15458.	1562.7
Stddev	2.5	74.	10.0
%RSD	.17220	.47667	.63689

Sample Name: 460-47335-H-4-A Acquired: 11/21/2012 3:19:48 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	226.0	20.77	-4273	38.14	.0208	45340.	.0173
Stddev	14.0	2.96	.3350	.29	.2817	141.	.2033
%RSD	6.210	14.25	78.40	.7627	1355.	.3117	1173.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5918	3.111	7.612	1106.	23950.	40200.	114.0
Stddev	.4733	.858	.213	9.	194.	98.	.3
%RSD	79.98	27.59	2.795	.8069	.8097	.2440	.3033

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 702900.	32.38	15.21	2.821	-5.537	1.577	133.0
Stddev	7970.	.53	.45	2.613	6.474	1.579	.4
%RSD	1.134	1.637	2.988	92.62	116.9	100.1	.2742

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.99	895.7	19.44	.6799	545.7	20.74	F 29330.
Stddev	.42	4.3	.31	.5752	2.0	2.12	203.
%RSD	2.207	.4794	1.586	84.60	.3687	10.20	.6931

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							20000.
Low Limit							-200.0

Sample Name: 460-47335-H-4-A Acquired: 11/21/2012 3:19:48 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1421.4	15451.	1555.0
Stddev	1.5	66.	9.4
%RSD	.10497	.42545	.60701

Sample Name: 460-47336-H-1-A Acquired: 11/21/2012 3:24:23 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	603.9	21.02	.3022	22.92	-.2217	38600.	-.0721
Stddev	11.1	2.09	1.446	.19	.1433	204.	.1225
%RSD	1.841	9.946	478.6	.8208	64.66	.5280	169.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2579	2.894	11.36	1305.	24430.	40010.	71.87
Stddev	.5704	.281	.34	5.	22.	49.	.67
%RSD	221.2	9.721	3.025	.4178	.0895	.1214	.9338

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 709800.	25.54	13.87	1.108	-5.320	2.640	135.3
Stddev	4148.	.42	2.12	1.491	1.784	2.219	.2
%RSD	.5844	1.650	15.29	134.5	33.53	84.07	.1156

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27.99	797.9	20.07	.7913	512.1	27.35	F 28610.
Stddev	.09	1.3	.32	1.114	1.9	1.36	94.
%RSD	.3115	.1602	1.606	140.8	.3631	4.960	.3299

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							20000.
Low Limit							-200.0

Sample Name: 460-47336-H-1-A Acquired: 11/21/2012 3:24:23 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1421.2	15278.	1535.9
Stddev	2.3	7.	5.9
%RSD	.16104	.04626	.38228

Sample Name: 460-47337-H-1-A Acquired: 11/21/2012 3:28:56 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.55	14.84	-0.0747	122.7	-1.153	192200.
Stddev	10.84	1.64	.3416	.6	.0643	89.
%RSD	21.89	11.07	457.6	.5058	55.77	.0465

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.0710	-.9964	-4.301	1.933	-17.61	33850.
Stddev	.0889	.3985	.699	.375	6.87	353.
%RSD	125.3	40.00	16.25	19.40	38.99	1.044

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	156400.	563.7	F 1152000.	5.237	4.982	-1.369
Stddev	381.	1.4	10180.	.318	.231	1.756
%RSD	.2432	.2461	.8831	6.079	4.642	128.2

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.869	2.556	15.03	4.355	121.7	9.154
Stddev	2.967	1.077	.56	.145	.9	.380
%RSD	103.4	42.14	3.700	3.324	.7455	4.154

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47337-H-1-A Acquired: 11/21/2012 3:28:56 Type: Unk
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.028	2223.	.5871	16350.
Stddev	1.203	2.	2.460	72.
%RSD	117.1	.1090	419.1	.4419

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1339.7	14555.	1519.5
Stddev	1.8	19.	7.9
%RSD	.13620	.13339	.52198

Sample Name: 460-47339-H-1-A Acquired: 11/21/2012 3:33:36 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34.14	8.932	-.0900	85.10	-.2000	196000.
Stddev	28.70	1.092	.6799	.49	.1769	670.
%RSD	84.06	12.22	755.8	.5805	88.48	.3420

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1303	-.1570	-3.624	.6532	497.4	58170.
Stddev	.0638	.3514	.558	.5917	5.7	165.
%RSD	49.00	223.8	15.39	90.59	1.140	.2844

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	172200.	1377.	F 1174000.	5.034	5.748	-1.922
Stddev	275.	1.	3094.	.479	1.415	1.694
%RSD	.1600	.0377	.2636	9.516	24.61	88.12

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7690	1.499	.4803	208.3	694.1	1.067
Stddev	5.514	4.115	.8915	.9	3.2	.175
%RSD	717.1	274.4	185.6	.4343	.4664	16.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47339-H-1-A Acquired: 11/21/2012 3:33:36 Type: Unk
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.9747	1853.	1.794	13070.
Stddev	.5971	8.	1.541	142.
%RSD	61.26	.4236	85.90	1.088

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1345.5	14540.	1509.9
Stddev	1.4	29.	5.0
%RSD	.10722	.20269	.32997

Sample Name: 460-47339-H-2-A Acquired: 11/21/2012 3:38:15 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	55.27	6.594	-3810	95.34	-.0951	225100.
Stddev	8.64	1.776	.3986	.61	.1998	1545.
%RSD	15.64	26.94	104.6	.6431	210.1	.6863

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1007	.1873	-4.329	.0011	28.29	55690.
Stddev	.0530	.3130	.512	.8859	14.11	547.
%RSD	52.61	167.1	11.82	79380.	49.87	.9828

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	168800.	1557.	F 1142000.	7.605	6.408	3.075
Stddev	368.	8.	2364.	.546	1.754	2.745
%RSD	.2181	.5232	.2071	7.175	27.37	89.27

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.399	4.693	1.798	258.3	709.9	.9040
Stddev	2.718	1.043	.156	1.7	2.0	.3716
%RSD	194.2	22.22	8.688	.6616	.2750	41.11

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47339-H-2-A Acquired: 11/21/2012 3:38:15 Type: Unk
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9609	1798.	1.658	12830.
Stddev	.3542	14.	.678	4.
%RSD	36.86	.7993	40.89	.0303

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1358.6	14791.	1530.4
Stddev	3.8	18.	2.6
%RSD	.28319	.12225	.16919

Sample Name: 460-47339-H-3-A Acquired: 11/21/2012 3:43:19 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	485.7	73.90	-.1968	207.7	.0641	179500.
Stddev	23.7	3.31	.4056	.4	.1066	1718.
%RSD	4.873	4.484	206.1	.1760	166.4	.9573

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2996	.1766	-.3689	6.662	13950.	52960.
Stddev	.1254	.1979	.3862	.289	28.	444.
%RSD	41.86	112.1	104.7	4.331	.2016	.8378

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	159100.	1199.	F 1107000.	12.39	21.04	1.602
Stddev	720.	8.	10510.	.65	.94	2.748
%RSD	.4525	.6674	.9496	5.286	4.467	171.5

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.415	-.1552	3.768	259.2	650.8	.8394
Stddev	7.183	2.920	.661	.5	.6	.4993
%RSD	112.0	1881.	17.55	.1970	.0953	59.49

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47339-H-3-A Acquired: 11/21/2012 3:43:19 Type: Unk
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.109	1582.	17.73	13660.
Stddev	1.057	16.	1.15	36.
%RSD	50.12	1.014	6.495	.2627

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1363.4	14835.	1534.5
Stddev	5.0	35.	9.7
%RSD	.36940	.23881	.63214

Sample Name: 460-47339-H-4-A Acquired: 11/21/2012 3:48:20 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.25	.6174	-.1181	-.1214	-.1888	68.17	-.1778	.2091	-.3340
Stddev	15.39	1.013	.5590	.0142	.0481	67.50	.0448	.2668	.1792
%RSD	136.9	164.1	473.3	11.73	25.49	99.01	25.20	127.6	53.64

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.232	-2.896	339.7	3.896	.0655	1061.	-.4007	-.0414	-.8378
Stddev	.590	8.586	52.6	5.995	.1904	152.	.1060	.9609	1.131
%RSD	47.89	296.5	15.48	153.9	290.6	14.34	26.46	2322.	135.0

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9763	1.972	.1927	-.0640	2.653	.5048	.1350	.4384	-1.699
Stddev	.5892	1.782	.4388	.0737	.827	.3060	.4749	.4199	.687
%RSD	60.35	90.37	227.8	115.2	31.17	60.61	351.7	95.77	40.40

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	-.1225
Stddev	20.86
%RSD	17020.

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47339-H-4-A Acquired: 11/21/2012 3:48:20 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	2585.2	31785.	2292.9
Stddev	312.1	6900.	503.1
%RSD	12.071	21.709	21.940

Sample Name: 460-47342-H-1-A Acquired: 11/21/2012 3:53:17 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	83.69	9.776	-.0299	98.39	-.1658	227500.
Stddev	16.65	2.153	.2303	.09	.1258	566.
%RSD	19.90	22.02	770.5	.0917	75.90	.2490

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2524	-.0605	-4.571	2.950	-9.642	54690.
Stddev	.1447	.7321	.374	.426	26.76	435.
%RSD	57.33	1209.	8.190	14.44	277.5	.7958

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	172400.	1580.	F 1167000.	5.593	5.581	2.778
Stddev	252.	5.	12800.	.300	3.944	1.260
%RSD	.1459	.3206	1.097	5.373	70.67	45.36

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5555	2.839	3.070	218.7	721.3	.7599
Stddev	3.835	2.618	.785	.9	.2	.2778
%RSD	690.3	92.20	25.58	.4131	.0281	36.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47342-H-1-A Acquired: 11/21/2012 3:53:17 Type: Unk
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3366	1840.	-.1679	12960.
Stddev	1.159	6.	1.826	154.
%RSD	344.3	.3275	1088.	1.187

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1343.9	14594.	1513.3
Stddev	2.2	85.	14.1
%RSD	.16473	.58131	.92988

Sample Name: mb 460-136365/1-a Acquired: 11/21/2012 3:58:19 Type: QC

Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1068	-.1229	.1638	-.2786	-.2809	20.49
Stddev	14.71	1.742	.0628	.1233	.2074	25.64
%RSD	13770.	1417.	38.34	44.28	73.84	125.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1713	.0027	-.5921	-.4555	3.439	341.9
Stddev	.0971	.1627	.4029	.2435	16.56	20.1
%RSD	56.69	5955.	68.05	53.46	481.5	5.883

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.015	.1100	1219.	-.1701	-.9254	.8994
Stddev	5.048	.2031	305.	.2492	.9981	1.454
%RSD	250.5	184.6	25.06	146.5	107.9	161.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.501	.7633	-.1909	.2004	3.705	.8927
Stddev	.461	1.362	.1826	.0953	1.813	.2877
%RSD	18.43	178.4	95.68	47.57	48.94	32.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-136365/1-a Acquired: 11/21/2012 3:58:19 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6473	.1958	-.8100	-12.90
Stddev	.6288	.2533	4.767	16.09
%RSD	97.14	129.4	588.5	124.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1519.0	16860.	1537.8
Stddev	1.6	50.	8.4
%RSD	.10246	.29489	.54940

Sample Name: CCV Acquired: 11/21/2012 4:03:21 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124600.	2454.	1244.	9918.	980.2	125000.
Stddev	451.	10.	5.	40.	7.0	653.
%RSD	.3618	.3953	.4051	.4012	.7124	.5221

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1241.	2497.	5064.	12590.	101400.	51120.
Stddev	5.	4.	7.	75.	112.	348.
%RSD	.3971	.1709	.1376	.5994	.1100	.6812

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126700.	5073.	128700.	2507.	7459.	989.1
Stddev	303.	16.	566.	4.	17.	2.9
%RSD	.2388	.3168	.4397	.1608	.2310	.2980

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2499.	2500.	2516.	2474.	999.2	2464.
Stddev	12.	5.	2.	8.	2.9	24.
%RSD	.4856	.2115	.0956	.3153	.2871	.9653

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/21/2012 4:03:21 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	996.1	5052.	9927.	9169.
Stddev	2.8	36.	41.	70.
%RSD	.2772	.7153	.4171	.7673

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1403.6	15627.	1517.6
Stddev	1.8	49.	11.9
%RSD	.12652	.31350	.78378

Sample Name: CCB Acquired: 11/21/2012 4:07:57 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.708	-.9244	-.3267	.3071	.0277	21.67
Stddev	18.17	3.100	.2328	.1468	.0446	25.83
%RSD	318.2	335.4	71.27	47.81	161.2	119.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2287	.2775	.4213	.8349	16.27	168.0
Stddev	.1708	.4055	.5593	1.185	6.83	39.6
%RSD	74.66	146.1	132.7	142.0	41.99	23.54

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.03	.3911	204.5	-.0412	-.8017	-.0423
Stddev	8.41	.4308	39.1	.6748	1.051	1.978
%RSD	83.80	110.2	19.11	1636.	131.1	4673.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4382	1.020	.9775	.0217	3.620	5.901
Stddev	2.605	.408	.2233	.1167	.771	4.340
%RSD	594.5	40.05	22.84	538.8	21.31	73.54

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/21/2012 4:07:57 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.271	.4764	-.2092	4.034
Stddev	.652	.5856	1.879	4.637
%RSD	51.30	122.9	898.1	115.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1525.9	16947.	1554.7
Stddev	6.5	52.	8.9
%RSD	.42587	.30506	.57247

Sample Name: lcs 460-136365/2-a Acquired: 11/21/2012 4:12:56 Type: QC

Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 5231.	F 5080.	F 501.9	F 10380.	F 1018.	21280.
Stddev	48.	20.	.8	55.	4.	55.
%RSD	.9189	.4007	.1619	.5298	.3677	.2573

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass
Value	2000.	2000.	50.00	2000.	50.00	
Range	15.00%	15.00%	15.00%	15.00%	15.00%	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1051.	F 1072.	F 5227.	F 1038.	1066.	21430.
Stddev	6.	4.	19.	6.	15.	49.
%RSD	.5437	.3829	.3608	.5522	1.365	.2299

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass
Value	50.00	500.0	200.0	250.0		
Range	15.00%	15.00%	15.00%	15.00%		

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20940.	F 1067.	21830.	F 1093.	F 5324.	F 1030.
Stddev	83.	5.	74.	3.	25.	2.
%RSD	.3976	.4535	.3377	.3158	.4664	.1832

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
Value		500.0		500.0	500.0	500.0
Range		15.00%		15.00%	15.00%	15.00%

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1003.	F 1116.	515.6	F 1034.	F 1009.	F 1046.
Stddev	2.	7.	.9	7.	3.	9.
%RSD	.2266	.6055	.1749	.6502	.3100	.8801

Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
Value	2000.	2000.		500.0	500.0	500.0
Range	-15.00%	-15.00%		15.00%	15.00%	15.00%

Sample Name: lcs 460-136365/2-a Acquired: 11/21/2012 4:12:56 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F 1112.	F 1048.	F 1046.	18.13
Stddev	3.	5.	4.	22.88
%RSD	.2565	.5166	.4094	126.2

Check ?	Chk Fail	Chk Fail	Chk Fail	None
Value	500.0	500.0	500.0	
Range	15.00%	15.00%	15.00%	

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1475.2	16545.	1545.5
Stddev	8.3	40.	2.1
%RSD	.56052	.23897	.13654

Sample Name: 460-47195-A-6-D DU@5 Acquired: 11/21/2012 4:17:33 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.66	1.488	-7.069	225.5	-1.602	108700.	1.548
Stddev	38.23	.392	.2779	1.8	.0979	56.	.097
%RSD	80.21	26.32	39.32	.8100	61.12	.0519	6.285

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.720	-1.765	13.44	8.232	432.0	1426.	889.5
Stddev	.315	.463	.36	24.22	54.9	5.	2.5
%RSD	18.30	26.20	2.687	294.2	12.71	.3610	.2795

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 297500.	5.164	60.13	3.647	-6086	.4569	1.261
Stddev	619.	.517	.29	4.612	2.449	.6264	.658
%RSD	.2081	10.02	.4787	126.5	402.3	137.1	52.18

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	194.6	299.4	1.554	1.118	441.2	.1814	3680.
Stddev	1.7	1.8	.583	.997	1.1	.9761	28.
%RSD	.8595	.6012	37.49	89.20	.2536	538.1	.7679

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47195-A-6-D DU@5 Acquired: 11/21/2012 4:17:33 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1442.3	15850.	1527.9
Stddev	2.7	65.	2.3
%RSD	.18901	.41212	.14804

Sample Name: 460-47195-A-6-C@5 Acquired: 11/21/2012 4:22:25 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42.94	3.377	.5778	224.6	-.1899	106600.	1.467
Stddev	7.32	.896	1.029	.6	.1580	713.	.094
%RSD	17.04	26.54	178.1	.2611	83.21	.6691	6.374

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.484	-2.498	14.09	.0916	335.1	1439.	887.4
Stddev	.216	.894	.34	11.46	23.5	11.	2.6
%RSD	14.55	35.79	2.377	12510.	7.027	.7635	.2913

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 296800.	4.824	60.15	-.8844	-2.064	.2450	.9178
Stddev	1577.	.362	1.41	.6431	4.309	2.309	.6374
%RSD	.5314	7.495	2.342	72.72	208.8	942.4	69.44

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	193.8	298.1	.4485	-.2052	436.5	.1474	3679.
Stddev	.2	.5	.6312	.4938	2.1	2.280	39.
%RSD	.1268	.1593	140.7	240.6	.4811	1546.	1.056

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47195-A-6-C@5 Acquired: 11/21/2012 4:22:25 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1447.1	15856.	1538.9
Stddev	3.2	31.	8.9
%RSD	.22367	.19746	.57997

Sample Name: sd 460-47195-A-6-C@5 Acquired: 11/21/2012 4:27:17 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6657	1.182	-.6740	44.36	-.2332	21160.	.1586	.1386	-.3789
Stddev	39.68	1.366	1.191	.19	.1724	81.	.0537	.3970	.6406
%RSD	5961.	115.6	176.7	.4361	73.94	.3842	33.88	286.5	169.1

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.189	6.717	162.0	288.3	176.0	60140.	.9336	14.39	-.0472
Stddev	.631	7.535	28.8	3.7	.3	162.	.5929	.23	.3846
%RSD	19.79	112.2	17.79	1.291	.1886	.2689	63.51	1.625	815.4

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3175	1.903	.2935	37.91	61.75	.5177	1.092	85.87	-.7651
Stddev	4.614	.834	.3957	.19	.95	.3092	.242	.69	2.562
%RSD	1453.	43.83	134.8	.5067	1.533	59.72	22.16	.7982	334.9

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	676.5
Stddev	2.5
%RSD	.3661

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: sd 460-47195-A-6-C@5 Acquired: 11/21/2012 4:27:17 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1513.1	16613.	1556.1
Stddev	2.6	36.	6.6
%RSD	.17471	.21413	.42699

Sample Name: 460-47195-A-6-E MS@5 Acquired: 11/21/2012 4:32:12 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1054.	999.0	98.91	2170.	197.1	110700.	203.2
Stddev	29.	1.0	1.48	5.	.5	117.	.3
%RSD	2.778	.1021	1.500	.2253	.2300	.1052	.1242

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	202.4	1009.	215.7	208.6	4528.	5399.	1088.
Stddev	.2	2.	1.2	9.3	74.	13.	2.
%RSD	.1033	.1547	.5557	4.473	1.624	.2484	.1856

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 298700.	209.9	1049.	200.8	199.0	199.4	102.2
Stddev	908.	1.1	3.	1.0	6.2	1.4	.8
%RSD	.3039	.5418	.2408	.5043	3.130	.6950	.7830

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	394.7	489.8	199.2	210.8	637.3	202.6	3669.
Stddev	.6	1.2	.4	.4	1.3	4.5	12.
%RSD	.1472	.2515	.2016	.2043	.1963	2.228	.3347

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47195-A-6-E MS@5 Acquired: 11/21/2012 4:32:12 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1455.5	15904.	1537.8
Stddev	3.8	21.	5.1
%RSD	.25901	.12911	.32918

Sample Name: pds 460-47195-A-6-C@ Acquired: 11/21/2012 4:36:55 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4930.	F 5002.	484.5	9779.	973.1	127400.	983.7
Stddev	19.	23.	2.2	19.	1.3	241.	3.0
%RSD	.3794	.4653	.4461	.1940	.1368	.1888	.3031

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.					
Low Limit		-10.00					

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	990.4	4892.	997.1	981.1	20830.	20480.	1877.
Stddev	2.9	25.	2.8	15.3	108.	114.	4.
%RSD	.2955	.5090	.2826	1.562	.5184	.5569	.2103

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 314500.	1013.	4918.	989.0	984.2	987.7	493.3
Stddev	1213.	4.	18.	6.3	11.2	3.4	2.0
%RSD	.3855	.4396	.3651	.6340	1.138	.3411	.4020

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1177.	1255.	983.5	1072.	1427.	1003.	3807.
Stddev	5.	4.	2.2	5.	2.	2.	16.
%RSD	.4016	.3014	.2188	.4619	.1566	.1878	.4195

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: pds 460-47195-A-6-C@ Acquired: 11/21/2012 4:36:55 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1421.2	15850.	1528.3
Stddev	3.2	24.	6.4
%RSD	.22640	.14899	.42201

Sample Name: 460-47180-A-1-L@5 Acquired: 11/21/2012 4:41:32 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	184.9	.2369	-.8508	15.33	-.0489	11090.	-.2199
Stddev	20.2	3.638	.2788	.28	.3103	80.	.0704
%RSD	10.90	1536.	32.76	1.848	634.9	.7245	32.03

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6530	2.305	1.842	3021.	237.1	900.4	144.5
Stddev	.2083	.637	.040	23.	52.8	5.2	.4
%RSD	31.89	27.66	2.152	.7685	22.25	.5748	.2621

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 280800.	5.188	3.142	.3486	4.045	2.641	.3092
Stddev	895.	.351	.912	1.357	1.756	.685	.6792
%RSD	.3187	6.773	29.03	389.3	43.42	25.94	219.7

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.65	245.8	2.134	.6688	26.69	1.214	3942.
Stddev	.18	1.1	.795	.3915	.32	1.834	57.
%RSD	1.726	.4332	37.28	58.54	1.192	151.1	1.457

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47180-A-1-L@5 Acquired: 11/21/2012 4:41:32 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1466.9	16025.	1524.8
Stddev	2.7	42.	8.8
%RSD	.18383	.26331	.57754

Sample Name: 460-47184-A-1-C@5 Acquired: 11/21/2012 4:46:28 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	56.20	.1845	-.5981	137.2	.0215	11730.	.3773
Stddev	19.17	2.318	.7255	.4	.3312	20.	.1885
%RSD	34.11	1256.	121.3	.3268	1540.	.1687	49.95

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1321	-.6122	2.813	35.53	-441.5	2676.	45.36
Stddev	.1454	.3350	.501	11.45	37.6	18.	.40
%RSD	110.1	54.72	17.81	32.22	8.517	.6563	.8723

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 276100.	7.604	127.1	-.5524	.9934	2.681	1.711
Stddev	448.	.301	1.4	2.201	2.102	1.366	.513
%RSD	.1623	3.964	1.107	398.5	211.6	50.97	30.00

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	170.1	247.8	.5247	-.0164	48.92	-.0742	3461.
Stddev	.4	.8	.3392	1.059	.24	2.021	23.
%RSD	.2269	.3114	64.65	6475.	.4989	2723.	.6529

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47184-A-1-C@5 Acquired: 11/21/2012 4:46:28 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1464.6	16038.	1541.4
Stddev	2.0	86.	.9
%RSD	.13916	.53353	.05631

Sample Name: 460-47184-A-2-C@5 Acquired: 11/21/2012 4:51:20 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	111.4	-1.103	-1.334	131.4	-1.1533	9219.	.1591
Stddev	26.6	2.275	.939	.2	.0637	56.	.1685
%RSD	23.90	206.2	70.43	.1856	41.57	.6038	105.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2588	-.5496	2.788	75.27	-165.1	768.5	8.044
Stddev	.0783	.3624	.376	12.07	45.9	3.6	.192
%RSD	30.27	65.94	13.49	16.03	27.79	.4633	2.390

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 271300.	1.879	8.986	.5449	.3163	1.424	.9539
Stddev	1082.	.684	1.615	1.903	2.420	1.120	.3689
%RSD	.3988	36.39	17.97	349.3	765.0	78.65	38.68

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39.63	248.7	.4286	.7598	59.23	1.041	3581.
Stddev	.33	1.5	.3476	.8133	.16	1.559	63.
%RSD	.8385	.5987	81.10	107.0	.2702	149.8	1.757

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47184-A-2-C@5 Acquired: 11/21/2012 4:51:20 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1471.6	16100.	1544.0
Stddev	3.2	41.	4.9
%RSD	.21818	.25284	.31708

Sample Name: 460-47184-A-3-C@5 Acquired: 11/21/2012 4:56:25 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64.02	.9846	-.6413	142.7	-.1126	13930.	.1312
Stddev	24.88	2.743	.7359	.1	.2776	46.	.0503
%RSD	38.87	278.5	114.8	.0432	246.5	.3277	38.35

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2366	-.5643	2.964	42.42	-257.4	1976.	15.78
Stddev	.2530	.8137	.395	8.32	42.1	25.	.18
%RSD	106.9	144.2	13.32	19.61	16.36	1.256	1.138

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 261600.	2.617	53.81	2.674	-3.352	2.634	2.199
Stddev	928.	.562	.89	.981	2.689	3.917	.597
%RSD	.3549	21.48	1.663	36.67	80.22	148.7	27.13

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.67	237.4	.4325	.2902	81.91	.0694	3455.
Stddev	.13	.8	.4370	.2433	.35	2.086	13.
%RSD	.2597	.3377	101.0	83.85	.4317	3008.	.3617

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47184-A-3-C@5 Acquired: 11/21/2012 4:56:25 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1467.5	16024.	1542.5
Stddev	4.6	21.	7.1
%RSD	.31558	.13186	.45734

Sample Name: CCV Acquired: 11/21/2012 5:01:23 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125200.	2451.	1245.	9938.	979.6	126100.
Stddev	302.	11.	2.	52.	5.8	546.
%RSD	.2410	.4566	.1735	.5204	.5890	.4332

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1240.	2495.	5062.	12600.	101300.	51420.
Stddev	6.	7.	9.	54.	19.	204.
%RSD	.4570	.2945	.1731	.4286	.0184	.3961

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126400.	5073.	129300.	2505.	7451.	984.2
Stddev	140.	16.	406.	8.	35.	5.2
%RSD	.1103	.3146	.3142	.3251	.4703	.5299

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2488.	2502.	2519.	2474.	998.9	2467.
Stddev	13.	11.	.	11.	1.3	4.
%RSD	.5221	.4302	.0106	.4425	.1300	.1805

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/21/2012 5:01:23 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	994.8	5059.	9913.	9028.
Stddev	4.6	21.	21.	69.
%RSD	.4628	.4093	.2068	.7691

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1392.5	15502.	1493.9
Stddev	6.5	82.	5.4
%RSD	.46546	.52924	.35837

Sample Name: CCB Acquired: 11/21/2012 5:05:58 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-19.50	.9445	.3906	.3418	-.0031	4.917
Stddev	9.43	1.409	.4851	.4818	.1018	14.37
%RSD	48.33	149.2	124.2	141.0	3287.	292.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1227	.1870	-.3960	.7896	14.57	131.0
Stddev	.1590	.3431	.6438	1.242	9.55	36.8
%RSD	129.6	183.5	162.6	157.2	65.58	28.08

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.568	.2605	163.4	-.1926	.8285	-.9915
Stddev	12.31	.4017	45.1	.6914	1.185	2.050
%RSD	187.5	154.2	27.61	358.9	143.0	206.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9742	2.632	.4072	.2727	3.439	5.781
Stddev	4.066	.725	.6619	.0764	.541	4.074
%RSD	417.4	27.52	162.5	28.01	15.73	70.48

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/21/2012 5:05:58 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8674	.3626	.2947	-3.474
Stddev	.7400	.6719	1.155	12.51
%RSD	85.32	185.3	391.7	360.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1518.2	16754.	1529.2
Stddev	7.7	58.	1.6
%RSD	.50480	.34506	.10175

Sample Name: 460-47184-A-4-B@5 Acquired: 11/21/2012 5:10:57 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	111.6	1.740	-.7722	175.7	-.0697	85600.	.6505
Stddev	29.6	.586	.7893	.0	.2411	289.	.1289
%RSD	26.55	33.66	102.2	.0206	346.0	.3380	19.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0682	-1.039	235.8	23.24	-165.5	2171.	50.66
Stddev	.2941	.899	.3	12.95	105.4	14.	.13
%RSD	430.9	86.56	.1329	55.70	63.69	.6636	.2534

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 287700.	7.959	78.08	2.540	-3.918	.9740	16.76
Stddev	597.	.507	2.15	2.016	1.868	2.462	.41
%RSD	.2076	6.376	2.757	79.36	47.69	252.7	2.430

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	448.0	252.1	1.092	.9933	461.0	.6250	4744.
Stddev	.6	1.9	.653	.1489	1.6	3.379	11.
%RSD	.1340	.7450	59.84	14.99	.3554	540.5	.2230

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47184-A-4-B@5 Acquired: 11/21/2012 5:10:57 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1458.8	15837.	1523.9
Stddev	3.4	63.	4.9
%RSD	.23192	.39604	.32121

Sample Name: 460-47184-A-5-B@5 Acquired: 11/21/2012 5:15:50 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46.46	1.183	-.5269	117.2	-.1358	55240.	.4599
Stddev	14.13	2.484	.5028	.4	.1388	104.	.0429
%RSD	30.42	210.0	95.42	.3243	102.2	.1891	9.336

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.444	-.4013	173.4	6.368	-408.3	1682.	60.55
Stddev	.501	.5920	.5	23.35	66.8	15.	.32
%RSD	34.66	147.5	.2739	366.7	16.35	.8909	.5251

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 278900.	7.195	1362.	2.589	-4.112	.5341	2.378
Stddev	808.	.192	5.	2.662	1.396	2.920	.162
%RSD	.2899	2.661	.3799	102.8	33.96	546.7	6.820

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	523.7	245.0	.2920	1.298	347.6	-2.227	4528.
Stddev	1.8	1.5	.2443	.324	1.4	2.074	22.
%RSD	.3477	.6134	83.68	24.94	.3965	93.12	.4906

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47184-A-5-B@5 Acquired: 11/21/2012 5:15:50 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1464.6	15914.	1534.0
Stddev	1.8	43.	2.3
%RSD	.12101	.26829	.14995

Sample Name: 460-47184-A-6-B@5 Acquired: 11/21/2012 5:20:41 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	101.8	1.695	-.5596	116.7	.1014	68990.	.3560
Stddev	7.6	1.793	.3648	.5	.3377	456.	.0843
%RSD	7.464	105.8	65.20	.4130	332.9	.6616	23.69

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1786	-1.067	113.6	35.06	-187.4	2594.	86.10
Stddev	.2664	.456	1.6	4.02	42.7	11.	.47
%RSD	149.1	42.67	1.388	11.46	22.80	.4402	.5430

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 286300.	9.661	24.48	1.542	-1.491	1.007	12.20
Stddev	1677.	.378	1.64	2.618	2.094	3.773	.17
%RSD	.5855	3.911	6.698	169.8	140.5	374.8	1.370

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	513.6	259.7	.2370	.5556	456.5	3.706	4684.
Stddev	3.1	.7	.1219	.9504	3.3	1.665	63.
%RSD	.5992	.2766	51.45	171.1	.7143	44.93	1.344

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47184-A-6-B@5 Acquired: 11/21/2012 5:20:41 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1442.6	15824.	1512.4
Stddev	3.2	74.	7.6
%RSD	.22110	.46793	.50138

Sample Name: 460-47184-A-7-B@5 Acquired: 11/21/2012 5:25:40 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	94.53	1.265	-.2153	143.9	.0110	15500.	.3283
Stddev	13.51	4.915	.5160	.7	.2879	104.	.1070
%RSD	14.29	388.5	239.6	.4873	2617.	.6685	32.60

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.734	-.4974	3.787	9.725	-194.3	1148.	96.18
Stddev	.238	.5791	.730	11.27	50.8	6.	.36
%RSD	8.701	116.4	19.26	115.9	26.12	.5295	.3766

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 277800.	7.575	24.83	.2673	-1.899	2.429	.0973
Stddev	1177.	.362	.42	2.479	6.748	1.507	.4371
%RSD	.4236	4.780	1.698	927.5	355.3	62.03	449.3

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	140.6	241.8	-.1685	.9888	66.57	1.108	3746.
Stddev	1.0	.8	.3210	.3707	.31	3.173	48.
%RSD	.6782	.3286	190.5	37.50	.4623	286.3	1.278

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47184-A-7-B@5 Acquired: 11/21/2012 5:25:40 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1458.9	15950.	1526.7
Stddev	5.9	25.	10.6
%RSD	.40269	.15659	.69542

Sample Name: 460-47184-A-8-B@5 Acquired: 11/21/2012 5:30:43 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	192.1	4.113	-.4615	109.1	-.0541	39200.	-.1926
Stddev	18.0	2.052	.0814	.5	.1652	240.	.0195
%RSD	9.380	49.89	17.64	.4699	305.6	.6122	10.14

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.393	-.1151	1.463	3370.	-311.3	4982.	178.6
Stddev	.344	.7460	.504	3.	153.3	25.	.4
%RSD	4.102	648.4	34.42	.0868	49.25	.5052	.2142

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 285000.	20.13	73.44	.9805	-3.284	2.339	.1458
Stddev	1722.	.60	1.13	3.047	1.658	1.686	.9064
%RSD	.6042	2.968	1.533	310.8	50.50	72.09	621.7

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	150.8	249.9	.4582	1.272	150.6	-1.698	5691.
Stddev	.7	.6	.2628	.703	.8	2.128	66.
%RSD	.4587	.2273	57.35	55.25	.5062	125.3	1.160

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47184-A-8-B@5 Acquired: 11/21/2012 5:30:43 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1467.1	15973.	1541.2
Stddev	3.9	79.	5.6
%RSD	.26640	.49331	.36030

Sample Name: 460-47184-A-9-B@5 Acquired: 11/21/2012 5:35:45 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	138.4	4.315	.0653	85.38	-.0792	7651.	-.0155
Stddev	17.4	2.032	1.133	.21	.0468	20.	.0741
%RSD	12.57	47.10	1734.	.2441	59.14	.2615	477.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.734	-.5241	1.494	2626.	-552.0	1245.	90.50
Stddev	.292	.2491	1.132	14.	38.6	3.	.33
%RSD	5.094	47.52	75.75	.5498	7.001	.2053	.3624

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 289700.	19.37	44.12	-.8903	-2.323	.9795	.4191
Stddev	497.	.44	1.28	1.862	5.243	.5601	.4276
%RSD	.1717	2.273	2.898	209.1	225.7	57.18	102.0

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	156.2	275.7	.3640	1.127	38.86	-.8298	3135.
Stddev	.4	.6	.2979	.942	.08	2.691	12.
%RSD	.2279	.2236	81.84	83.59	.2070	324.3	.3906

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47184-A-9-B@5 Acquired: 11/21/2012 5:35:45 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1476.3	16027.	1534.5
Stddev	3.0	15.	6.2
%RSD	.20620	.09225	.40155

Sample Name: 460-47184-A-10-B@5 Acquired: 11/21/2012 5:40:47 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120.4	1.713	-.1774	111.0	.0477	18120.	.2512
Stddev	28.3	2.123	.5871	.4	.2660	78.	.0312
%RSD	23.49	123.9	331.0	.3241	557.6	.4325	12.44

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.09	-.0537	6.604	30.63	387.9	1343.	315.3
Stddev	.24	.2613	.893	9.30	46.4	9.	1.0
%RSD	2.345	486.5	13.52	30.36	11.97	.6490	.3071

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 285100.	6.616	20.69	-.2678	.2791	.3898	-.0563
Stddev	1349.	.348	1.79	.6470	5.061	2.479	.2605
%RSD	.4731	5.254	8.654	241.6	1814.	636.1	462.4

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	77.65	248.4	.2494	.7302	98.30	-2.633	3779.
Stddev	.11	2.1	.2241	.5002	.62	1.154	50.
%RSD	.1461	.8458	89.84	68.50	.6267	43.85	1.322

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47184-A-10-B@5 Acquired: 11/21/2012 5:40:47 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1469.5	15951.	1521.8
Stddev	.6	55.	8.2
%RSD	.03819	.34518	.53609

Sample Name: 460-47184-A-11-B@5 Acquired: 11/21/2012 5:45:50 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	153.6	3.026	-.2077	121.5	.0391	14460.	.2064
Stddev	43.8	2.687	.7088	.3	.2138	145.	.2617
%RSD	28.55	88.79	341.2	.2132	547.4	1.000	126.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.138	.3948	3.210	640.0	-410.6	1094.	157.0
Stddev	.393	.7942	.275	17.3	68.8	6.	.3
%RSD	9.505	201.1	8.572	2.697	16.75	.5385	.1884

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 301800.	11.18	27.05	.9740	-.9817	3.242	.2943
Stddev	2437.	.26	.60	1.943	2.706	1.775	.4589
%RSD	.8076	2.323	2.221	199.5	275.6	54.75	155.9

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	136.5	292.6	.8385	1.297	62.41	-.7909	3334.
Stddev	.4	.5	.3056	.936	.64	.1191	23.
%RSD	.3191	.1626	36.45	72.13	1.021	15.07	.6900

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47184-A-11-B@5 Acquired: 11/21/2012 5:45:50 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1462.8	15877.	1518.8
Stddev	3.0	66.	16.8
%RSD	.20778	.41395	1.1073

Sample Name: 460-47184-A-12-B@5 Acquired: 11/21/2012 5:50:55 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	167.0	2.395	-.3538	125.7	.0937	4462.	-.1328
Stddev	14.1	.606	1.658	.7	.2360	17.	.1459
%RSD	8.422	25.29	468.6	.5818	252.0	.3708	109.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.447	1.117	1.147	11950.	-509.2	521.6	268.2
Stddev	.047	.740	.649	22.	51.2	8.9	.4
%RSD	.8628	66.24	56.59	.1872	10.05	1.703	.1575

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 301200.	6.805	71.29	-1.230	-1.003	1.366	.0713
Stddev	1975.	.277	.28	4.032	.926	1.182	.4231
%RSD	.6556	4.072	.3941	328.0	92.36	86.54	593.4

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	85.30	290.8	.1259	1.244	35.34	-1.659	3003.
Stddev	.88	1.5	.2364	.985	.15	.777	27.
%RSD	1.035	.5165	187.7	79.16	.4180	46.83	.9055

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47184-A-12-B@5 Acquired: 11/21/2012 5:50:55 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1479.8	15998.	1537.7
Stddev	3.9	49.	9.8
%RSD	.26041	.30659	.63599

Sample Name: 460-47184-A-13-B@5 Acquired: 11/21/2012 5:55:58 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	147.3	3.872	-.5493	59.46	-.0348	15160.	.0279
Stddev	16.9	2.018	.4143	.38	.2295	65.	.1831
%RSD	11.45	52.11	75.43	.6410	659.9	.4294	657.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.948	.4172	4.872	250.6	-312.3	1117.	211.7
Stddev	.320	.7590	.341	5.2	73.7	6.	.6
%RSD	8.105	181.9	7.001	2.063	23.58	.5643	.2622

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 310800.	7.761	20.78	-2.095	.8308	2.315	.4603
Stddev	1579.	.600	1.59	2.398	1.893	1.252	.2749
%RSD	.5081	7.728	7.632	114.5	227.9	54.10	59.73

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	91.94	301.8	.5720	1.521	66.37	-.3718	3335.
Stddev	.11	1.1	.0186	.830	.34	2.755	39.
%RSD	.1192	.3780	3.253	54.57	.5070	740.9	1.155

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47184-A-13-B@5 Acquired: 11/21/2012 5:55:58 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1476.4	16001.	1529.5
Stddev	3.3	10.	14.5
%RSD	.22401	.06183	.94590

Sample Name: CCV Acquired: 11/21/2012 6:01:04 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125000.	2445.	1245.	9834.	975.8	125500.
Stddev	211.	12.	2.	16.	4.0	644.
%RSD	.1684	.4901	.1752	.1667	.4069	.5127

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1233.	2486.	5102.	12670.	102200.	51680.
Stddev	2.	5.	19.	34.	430.	211.
%RSD	.1680	.2006	.3642	.2708	.4212	.4085

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	128400.	5120.	130100.	2501.	7407.	986.6
Stddev	470.	17.	196.	5.	19.	.9
%RSD	.3661	.3344	.1502	.2135	.2627	.0905

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2487.	2492.	2528.	2462.	992.2	2441.
Stddev	14.	7.	8.	6.	1.4	10.
%RSD	.5800	.2623	.3100	.2234	.1460	.3904

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/21/2012 6:01:04 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	995.5	5085.	9925.	F 8858.
Stddev	2.3	21.	41.	54.
%RSD	.2270	.4189	.4138	.6150

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				10000.
Range				-10.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1416.0	15548.	1500.8
Stddev	2.3	43.	6.9
%RSD	.15985	.27558	.45807

Sample Name: CCB Acquired: 11/21/2012 6:05:48 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-9.760	1.583	-.0581	.3165	-.1243	19.33
Stddev	33.86	2.617	.8369	.4999	.2758	19.37
%RSD	347.0	165.3	1439.	157.9	221.9	100.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1129	.3263	-.6365	.8648	5.614	133.6
Stddev	.1888	.3068	.0581	1.307	20.48	88.8
%RSD	167.2	94.01	9.133	151.1	364.9	66.45

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.14	.3409	180.5	-.0007	1.836	.2425
Stddev	12.34	.5501	14.6	.3701	.257	3.416
%RSD	101.6	161.3	8.112	50180.	13.98	1408.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1764	2.403	.9517	.1795	2.396	5.924
Stddev	2.399	1.949	.6568	.2891	.840	3.860
%RSD	1360.	81.09	69.01	161.1	35.04	65.15

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/21/2012 6:05:48 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-3.170	.6702	-1.024	-7.894
Stddev	.4532	.6342	1.145	10.24
%RSD	142.9	94.63	111.9	129.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1519.7	16742.	1517.0
Stddev	4.5	60.	5.3
%RSD	.29402	.35900	.35053

Sample Name: 460-47184-A-14-B@5 Acquired: 11/21/2012 6:10:58 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	84.87	-1.564	-4523	93.33	-1.679	6112.	.1144
Stddev	27.53	1.603	.5097	.31	.2190	20.	.0654
%RSD	32.44	102.5	112.7	.3276	130.4	.3216	57.18

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0209	-2.762	2.877	39.55	-445.4	1015.	18.45
Stddev	.0989	.5789	.422	8.87	28.6	8.	.08
%RSD	474.0	209.6	14.67	22.44	6.432	.7690	.4148

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 306200.	6.538	10.47	-1.649	-1.392	1.784	.7115
Stddev	1333.	.225	1.12	1.094	1.370	.156	.6566
%RSD	.4352	3.442	10.70	66.32	98.40	8.736	92.28

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	109.6	301.1	.8458	.9710	43.50	-5383	2960.
Stddev	.1	1.2	.1391	.8746	.11	1.091	24.
%RSD	.0972	.4042	16.44	90.07	.2519	202.6	.8245

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47184-A-14-B@5 Acquired: 11/21/2012 6:10:58 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1475.0	15920.	1523.9
Stddev	1.8	81.	9.3
%RSD	.12038	.50914	.60973

Sample Name: 460-47195-A-4-F@5 Acquired: 11/21/2012 6:16:03 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	89.01	3.630	-1.369	190.7	-.1738	49010.	1.223
Stddev	32.48	2.417	.736	.4	.1667	142.	.014
%RSD	36.49	66.57	53.80	.2301	95.93	.2892	1.140

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.485	-4.839	90.51	60.75	392.8	2236.	669.9
Stddev	.193	.8325	.55	10.03	54.6	14.	1.8
%RSD	3.517	172.0	.6085	16.52	13.90	.6155	.2756

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 303400.	5.400	29.77	.6272	.4930	1.725	.6476
Stddev	1673.	.489	.88	3.095	4.273	1.104	.5622
%RSD	.5516	9.062	2.958	493.5	866.8	64.04	86.80

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	334.3	300.3	.2993	.2410	229.0	1.345	3210.
Stddev	.5	.0	.1427	.5863	1.0	3.178	60.
%RSD	.1358	.0140	47.69	243.3	.4464	236.3	1.863

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47195-A-4-F@5 Acquired: 11/21/2012 6:16:03 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1473.2	15842.	1521.3
Stddev	3.2	52.	8.6
%RSD	.21990	.32645	.56827

Sample Name: 460-47195-A-5-F@5 Acquired: 11/21/2012 6:21:04 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	63.32	2.099	-6661	211.0	-1061	39560.	.8200
Stddev	20.90	1.383	.3945	1.2	.3912	1085.	.0579
%RSD	33.00	65.87	59.23	.5854	368.6	2.743	7.056

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.364	-8074	15.50	33.78	157.5	1585.	780.6
Stddev	.250	.7556	.58	6.46	117.9	30.	10.1
%RSD	5.734	93.59	3.742	19.13	74.86	1.919	1.294

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 294300.	6.051	45.09	2.957	-2.016	-2.193	.2996
Stddev	8547.	.353	.79	1.962	2.933	1.841	.2019
%RSD	2.904	5.830	1.753	66.36	145.5	83.95	67.38

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	854.3	295.9	.8115	3.041	224.0	.7282	4206.
Stddev	3.5	.3	.4115	.870	6.2	1.916	48.
%RSD	.4130	.1012	50.71	28.60	2.774	263.1	1.153

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47195-A-5-F@5 Acquired: 11/21/2012 6:21:04 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1421.3	15593.	1516.6
Stddev	1.6	87.	26.4
%RSD	.11390	.56099	1.7439

Sample Name: 460-47112-A-23-B@5 Acquired: 11/21/2012 6:26:06 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125.4	1.205	-.1025	204.3	.0430	5007.	-.0937
Stddev	30.6	2.447	.5327	17.4	.0472	302.	.1661
%RSD	24.41	203.2	519.9	8.513	109.9	6.025	177.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.223	1.118	2.672	4505.	-44.00	451.4	745.2
Stddev	.319	.387	1.021	344.	120.0	37.8	60.1
%RSD	4.418	34.64	38.22	7.634	272.6	8.366	8.061

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 296300.	9.217	75.31	-.9444	1.596	.7573	.4191
Stddev	19530.	.642	6.79	.7837	1.668	2.459	.2532
%RSD	6.593	6.966	9.019	82.99	104.5	324.8	60.42

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	85.76	280.4	.6456	2.939	38.24	-.7048	2784.
Stddev	7.99	22.7	.4374	.636	2.35	.7823	179.
%RSD	9.317	8.096	67.76	21.65	6.155	111.0	6.412

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47112-A-23-B@5 Acquired: 11/21/2012 6:26:06 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1415.9	15598.	1478.1
Stddev	5.4	121.	6.0
%RSD	.38205	.77690	.40327

Sample Name: LB 460-136257/1-D@5 Acquired: 11/21/2012 6:31:09 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.258	-0.0518	-0.4907	6.172	-0.3518	106.4	-0.1288
Stddev	6.443	.7910	1.067	.038	.1967	2.7	.1168
%RSD	103.0	1526.	217.5	.6203	55.93	2.514	90.64

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.9027	-0.2425	1.337	13.88	-935.1	14.66	.3915
Stddev	.1092	.5139	.351	4.06	43.7	1.21	.0799
%RSD	12.10	211.9	26.25	29.29	4.674	8.291	20.40

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 288200.	1.609	2.563	.3599	.0490	-1.573	.2796
Stddev	1442.	.623	1.360	.7397	2.037	3.195	.0977
%RSD	.5005	38.69	53.06	205.5	4157.	203.1	34.94

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.239	236.0	.1589	3.491	.5885	-1.288	3213.
Stddev	.061	.6	.5580	.731	.1989	.789	26.
%RSD	.9760	.2443	351.1	20.94	33.79	61.22	.8141

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: LB 460-136257/1-D@5 Acquired: 11/21/2012 6:31:09 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1418.5	15546.	1488.4
Stddev	4.1	16.	9.1
%RSD	.29084	.10563	.61438

Sample Name: LB 460-136258/1-B@5 Acquired: 11/21/2012 6:36:19 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.285	-2.042	-.1936	.7938	-.2633	58.78	-.2084
Stddev	19.29	2.980	1.299	.1388	.2437	8.92	.1068
%RSD	587.2	145.9	671.0	17.48	92.53	15.18	51.22

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6429	-.3552	.8972	12.66	-965.5	1.171	.0694
Stddev	.2442	.6269	.4178	1.68	69.4	2.964	.0293
%RSD	37.98	176.5	46.56	13.30	7.185	253.2	42.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Ti1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 284400.	1.394	1.269	.7899	1.398	-.8531	.0665
Stddev	4636.	.635	1.389	.5303	5.735	2.013	.7982
%RSD	1.630	45.53	109.5	67.13	410.2	236.0	1200.

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.256	227.6	.9044	3.316	.2879	-.3322	3177.
Stddev	.176	2.4	.2476	.429	.2674	2.896	26.
%RSD	7.808	1.072	27.38	12.93	92.87	871.7	.8105

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: LB 460-136258/1-B@5 Acquired: 11/21/2012 6:36:19 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1424.2	15762.	1497.4
Stddev	7.8	194.	17.8
%RSD	.54944	1.2334	1.1869

Sample Name: 460-47193-D-1-D MS@2 Acquired: 11/21/2012 6:41:26 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1051.	995.9	25.24	1072.	25.44	49670.	25.44	255.4
Stddev	21.	6.5	.88	2.	.24	166.	.06	.7
%RSD	2.045	.6562	3.481	.1764	.9363	.3344	.2491	.2765

Check ? **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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	106.3	131.6	659.8	18090.	17870.	735.7	141900.	261.0
Stddev	.4	.3	11.9	41.	70.	2.4	568.	.9
%RSD	.3769	.2184	1.810	.2261	.3889	.3227	.4005	.3317

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	257.2	250.1	1006.	1057.	262.2	288.8	1284.	245.2
Stddev	2.6	2.3	3.	4.	.7	1.3	5.	.8
%RSD	1.003	.9185	.3189	.3465	.2494	.4403	.3661	.3330

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	263.9	522.8	256.6	7196.
Stddev	2.5	1.7	2.0	8.
%RSD	.9573	.3317	.7895	.1090

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47193-D-1-D MS@2 Acquired: 11/21/2012 6:41:26 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1506.6	16387.	1523.4
Stddev	8.5	107.	7.9
%RSD	.56457	.65184	.51860

Sample Name: 460-47149-E-1-D MS Acquired: 11/21/2012 6:46:20 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2835.	1772.	45.75	1952.	46.04	33550.	46.09	466.0	195.2
Stddev	25.	3.	1.23	4.	.26	23.	.32	.6	.3
%RSD	.8678	.1571	2.695	.1940	.5636	.0681	.6904	.1285	.1483

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	238.1	2366.	21820.	26230.	629.0	45240.	477.8	465.8	445.3
Stddev	.6	9.	105.	48.	1.2	59.	.6	1.3	1.2
%RSD	.2600	.3771	.4800	.1816	.1974	.1314	.1156	.2772	.2647

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1787.	1950.	467.1	469.0	463.0	444.9	469.1	611.4	464.4
Stddev	2.	2.	1.4	1.2	1.4	.4	1.9	1.6	2.6
%RSD	.0921	.0773	.2987	.2634	.3022	.0916	.4001	.2600	.5496

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	6273.
Stddev	36.
%RSD	.5801

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47149-E-1-D MS Acquired: 11/21/2012 6:46:20 Type: Unk
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1505.4	16512.	1535.4
Stddev	2.8	12.	4.8
%RSD	.18425	.07464	.31341

Sample Name: CCV Acquired: 11/21/2012 6:51:12 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125500.	2415.	1242.	9762.	986.9	126800.
Stddev	394.	12.	1.	45.	7.5	823.
%RSD	.3136	.5142	.0783	.4637	.7588	.6489

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1219.	2474.	5094.	12810.	101400.	52480.
Stddev	4.	10.	19.	60.	149.	388.
%RSD	.3650	.4217	.3719	.4719	.1465	.7385

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	128000.	5140.	131700.	2488.	7342.	979.8
Stddev	463.	15.	470.	6.	34.	6.6
%RSD	.3614	.2928	.3568	.2520	.4623	.6696

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2470.	2478.	2519.	2436.	987.7	2418.
Stddev	16.	9.	8.	9.	1.9	10.
%RSD	.6361	.3483	.3207	.3859	.1955	.4009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/21/2012 6:51:12 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	986.9	5156.	9971.	F 8728.
Stddev	2.3	35.	12.	42.
%RSD	.2297	.6704	.1212	.4834

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				10000.
Range				-10.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1413.4	15509.	1479.6
Stddev	5.2	2.	5.9
%RSD	.36671	.01574	.40171

Sample Name: CCB Acquired: 11/21/2012 6:55:55 Type: QC
Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-21.26	1.533	-.3800	.2232	-.1909	2.783
Stddev	35.08	1.128	.6744	.4670	.1005	8.459
%RSD	165.0	73.60	177.5	209.2	52.63	304.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1957	.2630	.2253	.3769	8.786	143.3
Stddev	.0476	.1862	.2813	.5859	25.43	97.5
%RSD	24.32	70.78	124.9	155.4	289.5	68.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.75	.2441	126.7	-.1565	.0423	-.9393
Stddev	9.05	.2057	16.7	.2406	1.212	1.613
%RSD	84.14	84.29	13.17	153.7	2867.	171.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1005	1.924	.5555	1.246	4.909	5.690
Stddev	3.501	1.611	.7301	1.552	.531	3.937
%RSD	3486.	83.71	131.4	124.5	10.82	69.18

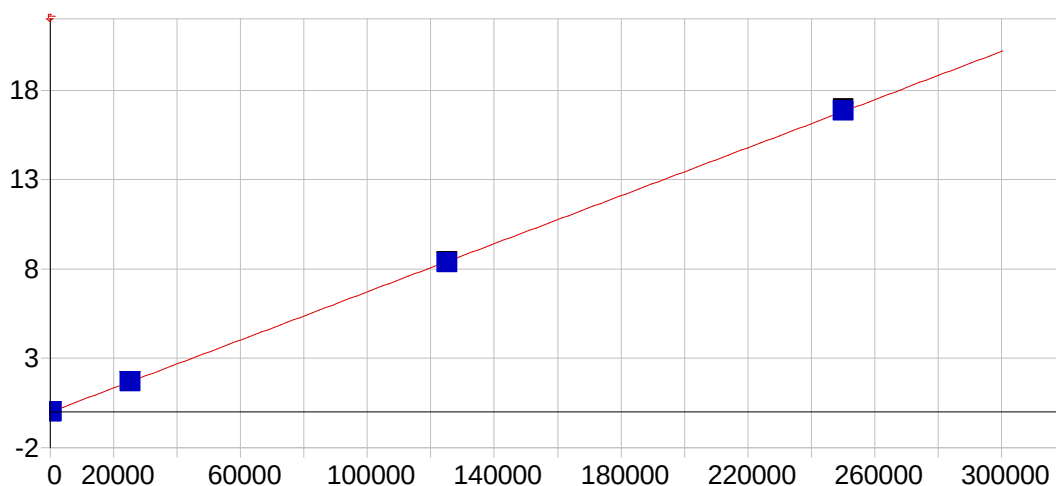
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/21/2012 6:55:55 Type: QC
 Method: SW_110712(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.001	.1770	.4010	-11.79
Stddev	.660	.3165	2.706	29.08
%RSD	65.96	178.7	674.8	246.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1528.6	16763.	1513.7
Stddev	5.3	20.	8.6
%RSD	.34960	.12214	.56831

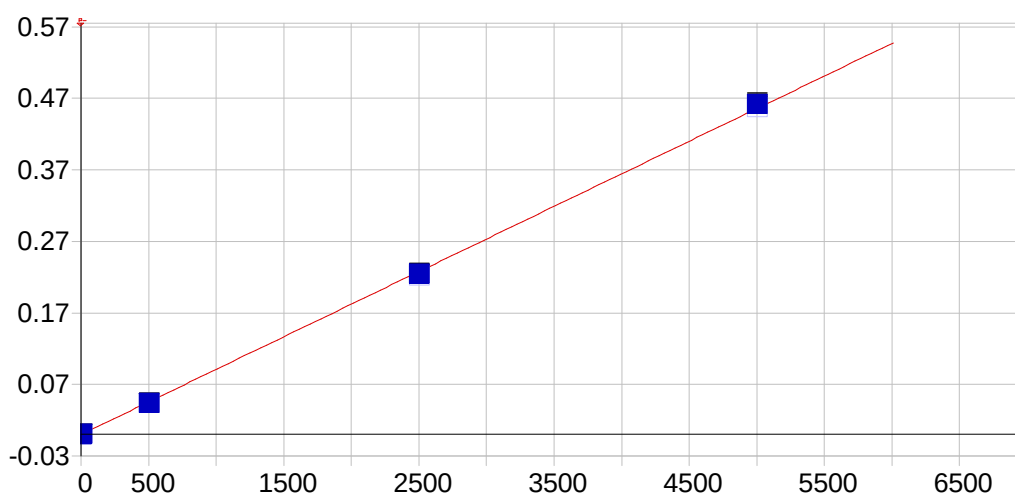


AI 396.152 { 85}

Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000475 Re-Slope: 1.000000
 A1 (Gain): 0.000067 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999993 Status: OK.
 Std Error of Est: 0.000092
 Predicted MDL: 28.852956
 Predicted MQL: 96.176521

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.01548	-.015	.000	-.00048	.002	1
DCAL2	200.00	215.21	15.2	7.60	.01396	.001	1
DCAL3	25000.	25107.	107.	.428	1.6883	.006	1
DCAL4	125000.	124390.	-612.	-.489	8.3665	.014	1
DCAL5	250000.	250490.	490.	.196	16.849	.089	1



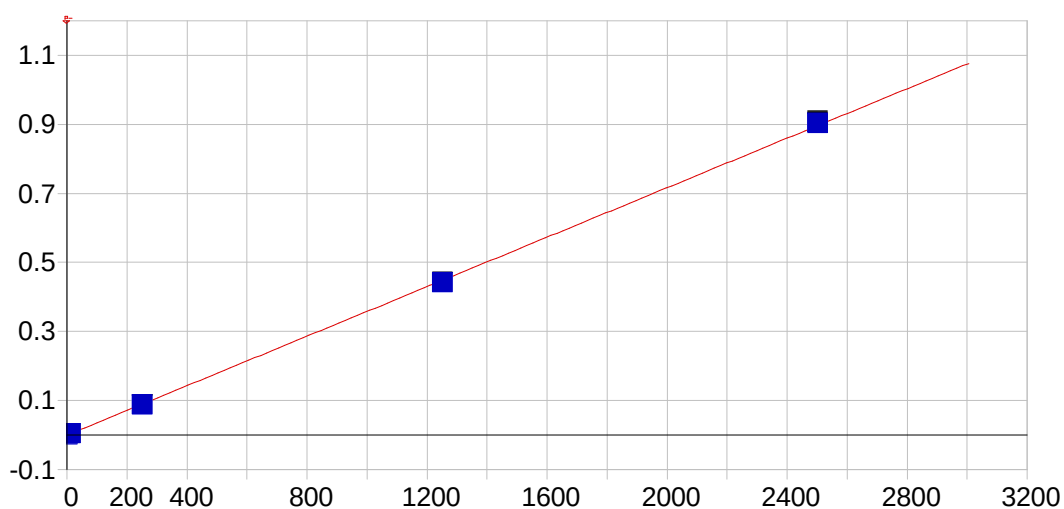
As 189.042 (478)

Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000066 Re-Slope: 1.000000
 A1 (Gain): 0.000091 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999830 Status: OK.
 Std Error of Est: 0.000014

Predicted MDL: 3.314539
Predicted MQL: 11.048464

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00113	.001	.000	-.00007	.000	1
DCAL2	5.0000	4.0994	-.901	-18.0	.00030	.000	1
DCAL3	500.00	478.75	-21.2	-4.25	.04308	.000	1
DCAL4	2500.0	2457.0	-43.0	-1.72	.22140	.001	1
DCAL5	5000.0	5065.2	65.2	1.30	.45666	.001	1

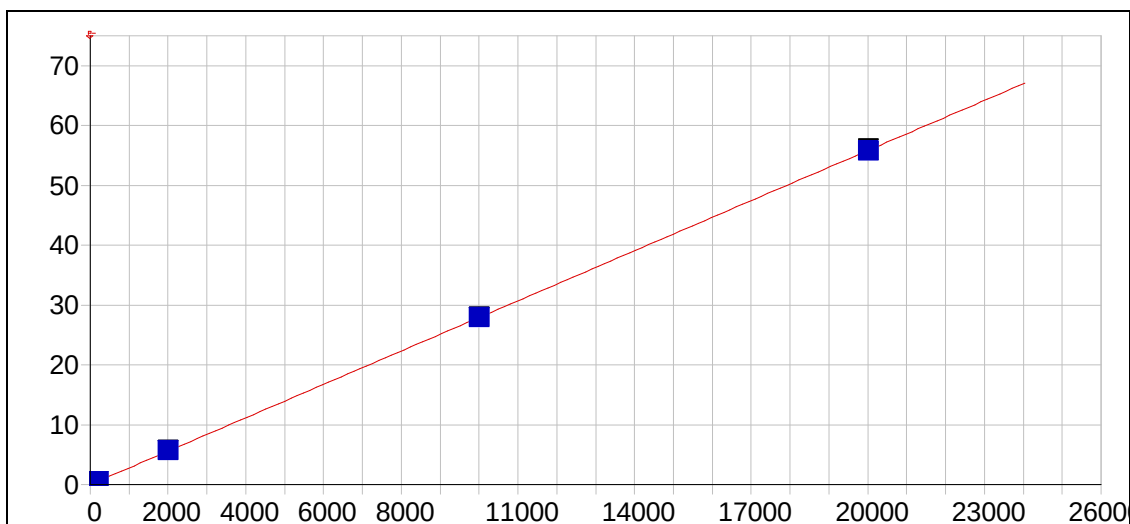


Ag 328.068 {103}

Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000352 Re-Slope: 1.000000
A1 (Gain): 0.000358 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999911 Status: OK.
Std Error of Est: 0.000039
Predicted MDL: 1.120150
Predicted MQL: 3.733835

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00037	.000	.000	-.00035	.000	1
DCAL2	10.000	10.709	.709	7.09	.00346	.000	1
DCAL3	250.00	242.34	-7.66	-3.07	.08625	.000	1
DCAL4	1250.0	1233.8	-16.2	-1.30	.44055	.000	1
DCAL5	2500.0	2523.2	23.2	.927	.90139	.004	1

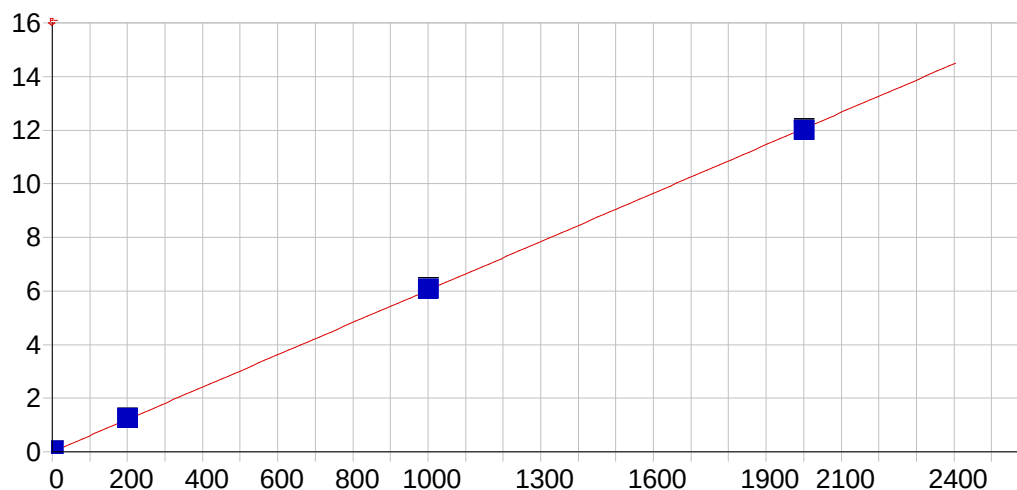


Ba 233.527 {445}

Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000483 Re-Slope: 1.000000
 A1 (Gain): 0.002791 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999996 Status: OK.
 Std Error of Est: 0.000804
 Predicted MDL: 0.206557
 Predicted MQL: 0.688525

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00594	-.006	.000	.00047	.000	1
DCAL2	200.00	204.61	4.61	2.31	.57138	.005	1
DCAL3	2000.0	2016.0	16.0	.802	5.6212	.005	1
DCAL4	10000.	9992.6	-7.39	-.074	27.860	.037	1
DCAL5	20000.	19987.	-13.3	-.066	55.723	.267	1



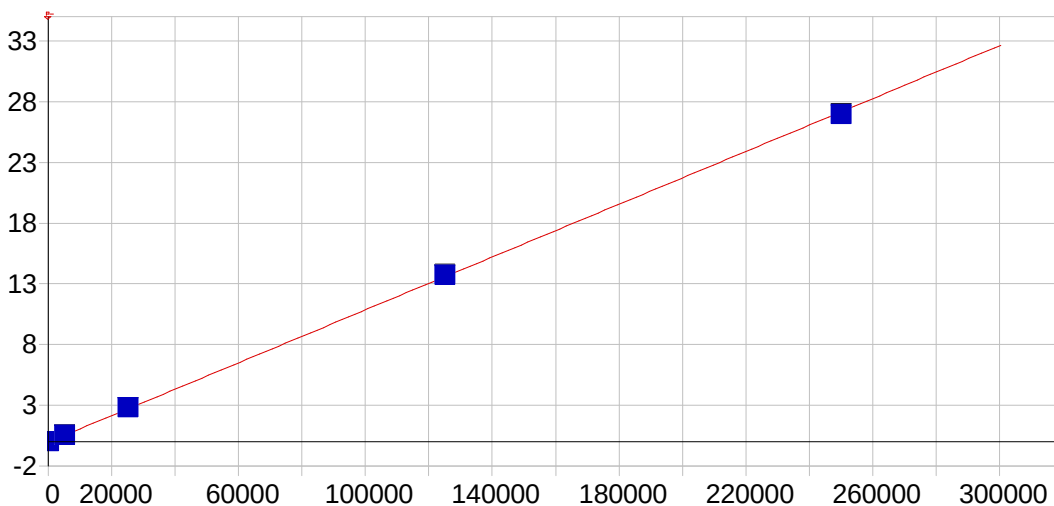
Be 313.042 {108}

Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001252 Re-Slope: 1.000000
 A1 (Gain): 0.006029 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999966 Status: OK.
 Std Error of Est: 0.000162
 Predicted MDL: 0.246851

Predicted MQL: 0.822837

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00002	.000	.000	.00125	.001	1
DCAL2	2.0000	1.9281	-.072	-3.60	.01290	.001	1
DCAL3	200.00	204.41	4.41	2.21	1.2341	.007	1
DCAL4	1000.0	1007.2	7.17	.717	6.0757	.047	1
DCAL5	2000.0	1988.5	-11.5	-.576	11.994	.040	1

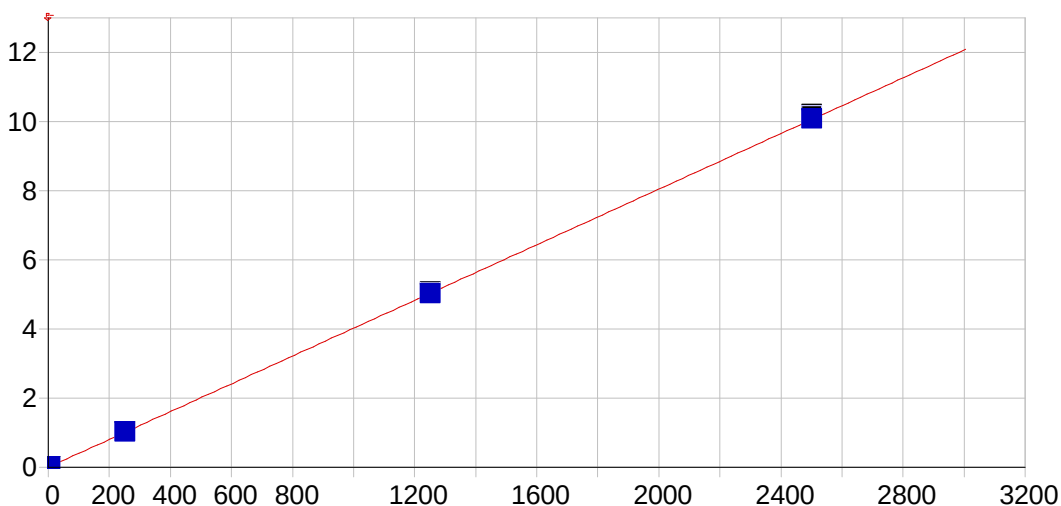


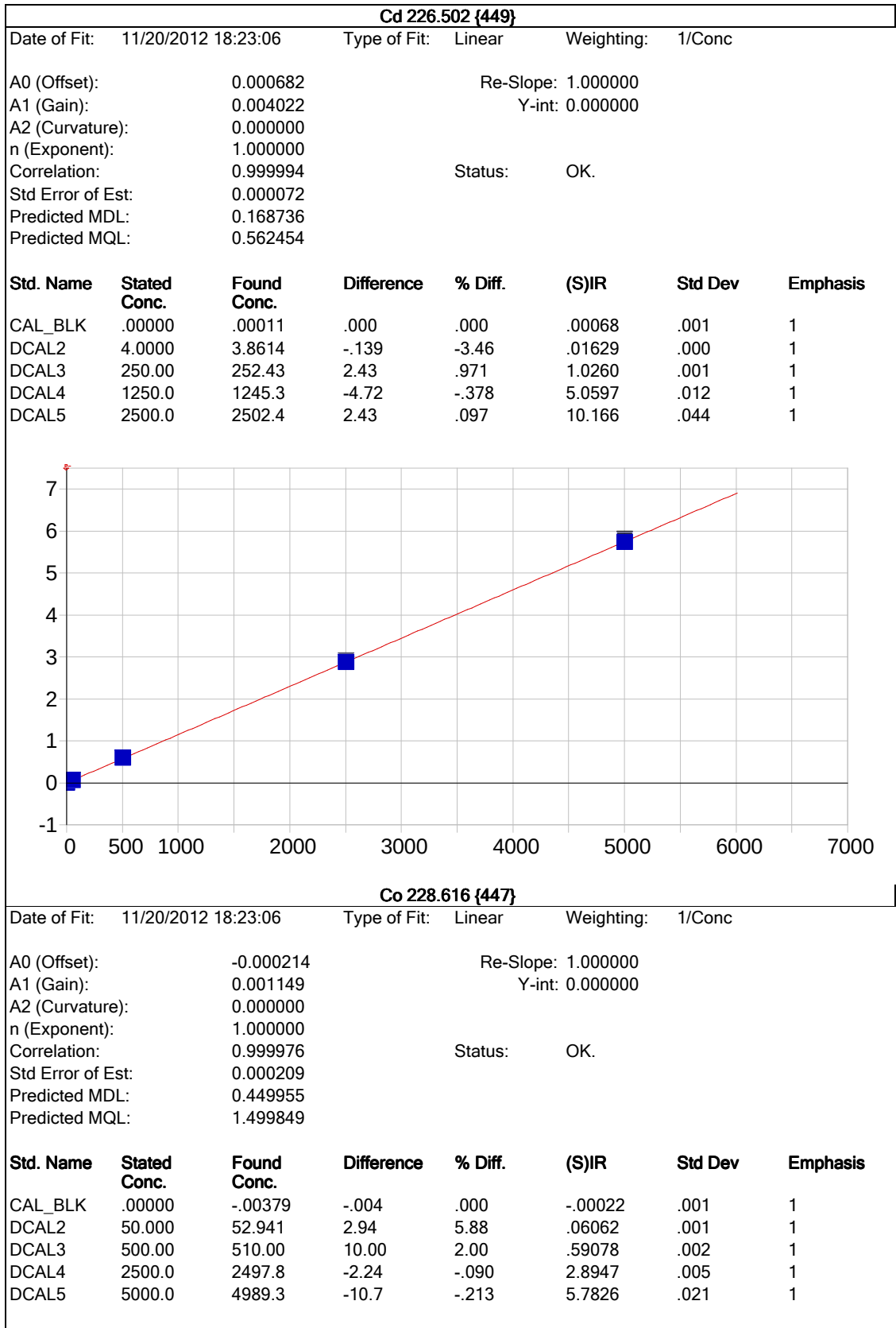
Ca 422.673 { 80}

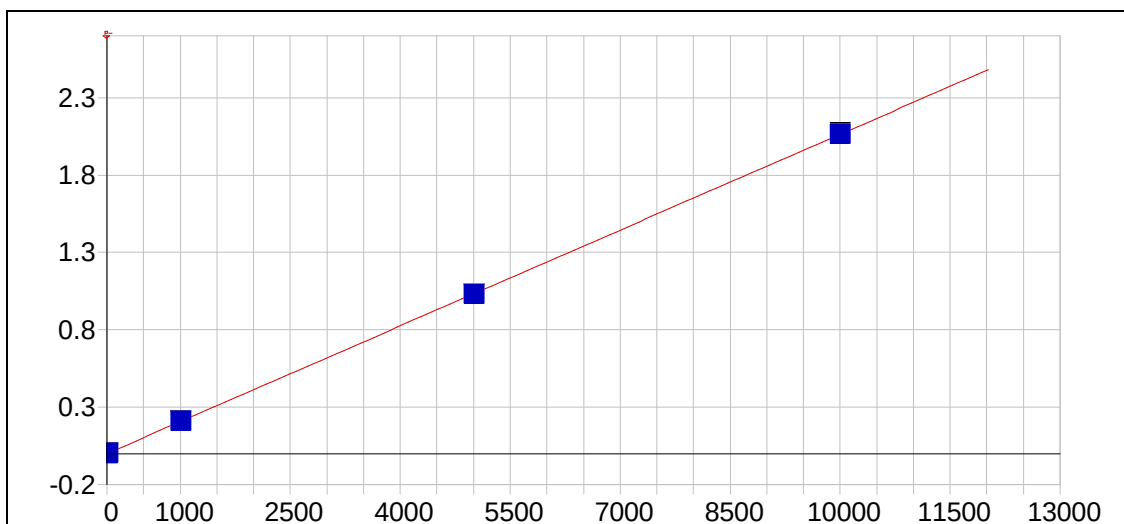
Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.017621 Re-Slope: 1.000000
 A1 (Gain): 0.000109 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999919 Status: OK.
 Std Error of Est: 0.002548
 Predicted MDL: 21.832621
 Predicted MQL: 72.775405

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.33686	-.337	.000	-.01766	.001	1
DCAL2	5000.0	5170.5	171.	3.41	.54457	.002	1
DCAL3	25000.	25797.	797.	3.19	2.7872	.017	1
DCAL4	125000.	126320.	1320.	1.05	13.717	.060	1
DCAL5	250000.	247710.	-2290.	-.914	26.916	.094	1





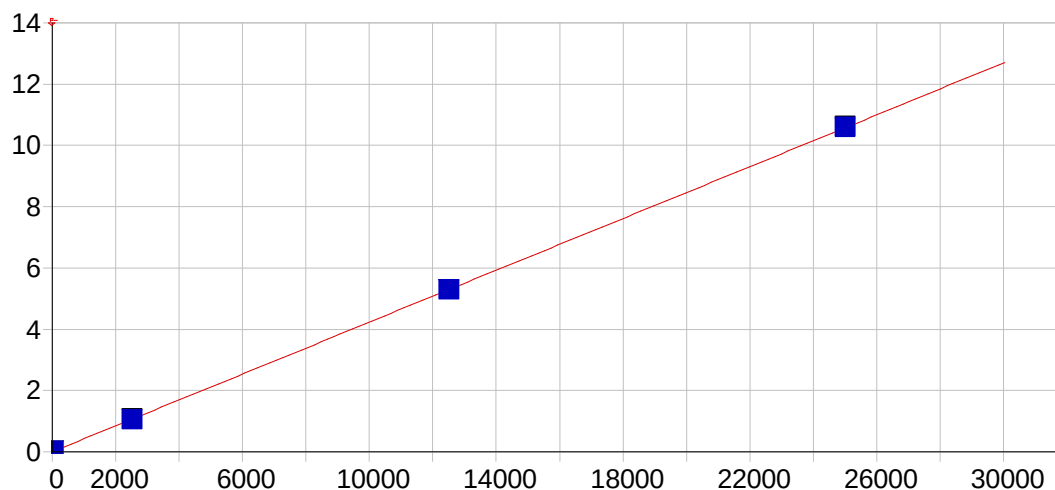


Cr 267.716 (126)

Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000042 Re-Slope: 1.000000
 A1 (Gain): 0.000206 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999996 Status: OK.
 Std Error of Est: 0.000009
 Predicted MDL: 0.846898
 Predicted MQL: 2.822994

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00016	.000	.000	.00004	.000	1
DCAL2	10.000	9.7475	-.252	-2.52	.00207	.000	1
DCAL3	1000.0	1010.5	10.5	1.05	.20859	.001	1
DCAL4	5000.0	4994.9	-5.13	-.103	1.0309	.003	1
DCAL5	10000.	9994.9	-5.13	-.051	2.0628	.009	1



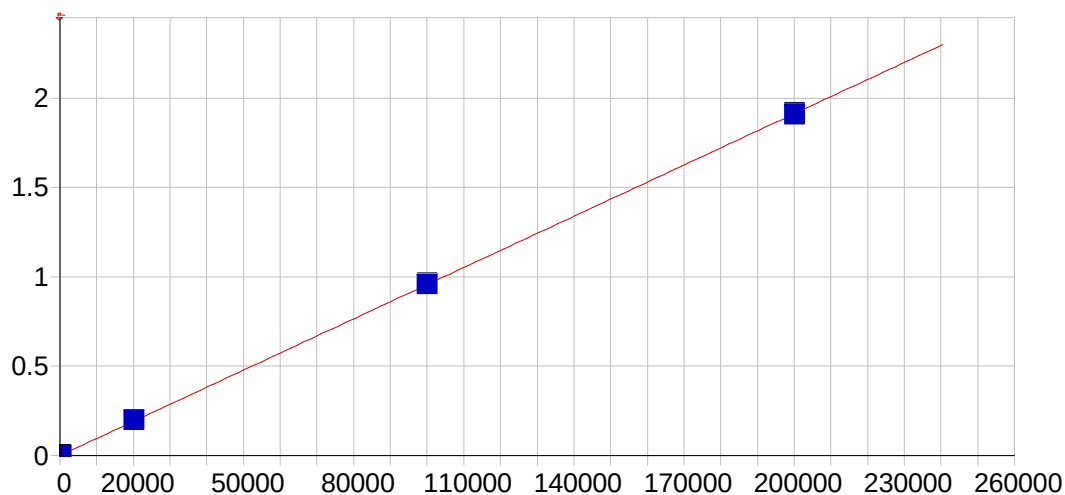
Cu 324.754 (104)

Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002393 Re-Slope: 1.000000
 A1 (Gain): 0.000423 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999998 Status: OK.
 Std Error of Est: 0.000023
 Predicted MDL: 0.767404

Predicted MQL: 2.558014

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00012	.000	.000	.00239	.000	1
DCAL1	10.000	9.9835	-.017	-.165	.00661	.000	1
DCAL2	25.000	24.886	-.114	-.458	.01290	.000	1
DCAL3	2500.0	2487.1	-12.9	-.517	1.0530	.003	1
DCAL4	12500.	12472.	-27.9	-.223	5.2712	.014	1
DCAL5	25000.	25041.	41.0	.164	10.581	.032	1

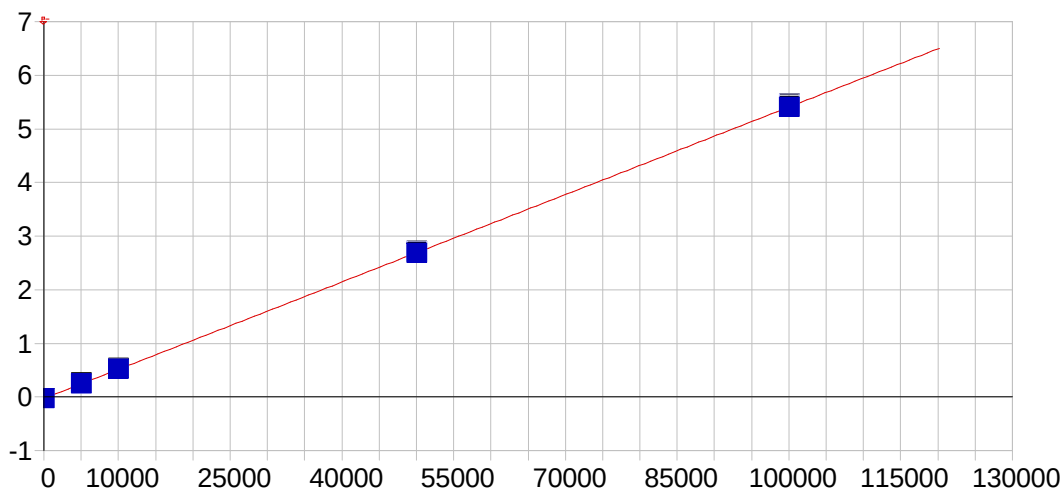


Fe 271.441 {124}

Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000069 Re-Slope: 1.000000
 A1 (Gain): 0.000010 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999971 Status: OK.
 Std Error of Est: 0.000016
 Predicted MDL: 19.620203
 Predicted MQL: 65.400678

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.02184	-.022	.000	.00007	.000	1
DCAL1	100.00	102.86	2.86	2.86	.00105	.000	1
DCAL2	150.00	175.10	25.1	16.7	.00177	.000	1
DCAL3	20000.	20485.	485.	2.42	.19629	.001	1
DCAL4	100000.	100140.	137.	.137	.95932	.003	1
DCAL5	200000.	199350.	-650.	-.325	1.9097	.008	1

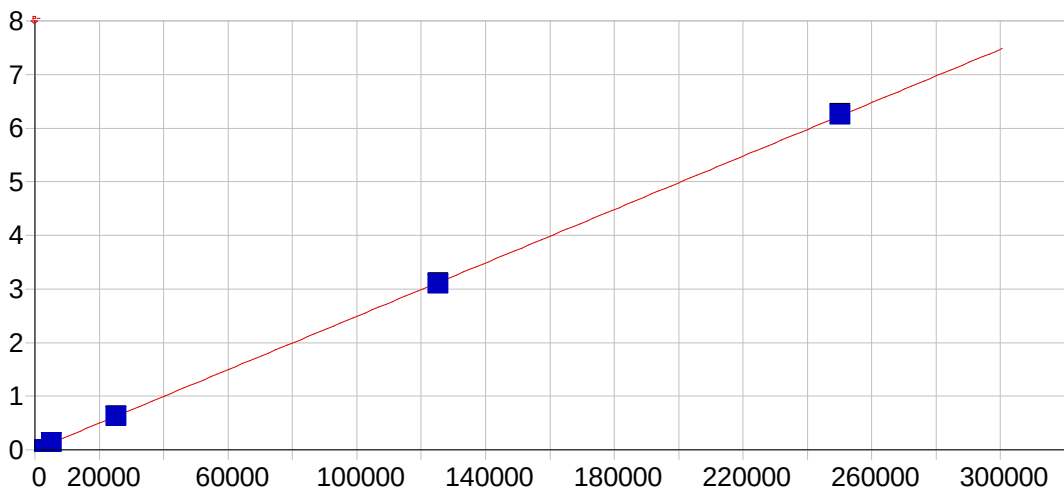


K 766.490 { 44}

Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.030338 Re-Slope: 1.000000
 A1 (Gain): 0.000054 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999994 Status: OK.
 Std Error of Est: 0.000220
 Predicted MDL: 77.479561
 Predicted MQL: 258.265203

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.10167	-.102	.000	-.03034	.003	1
DCAL2	5000.0	5081.0	81.0	1.62	.24696	.002	1
DCAL3	10000.	10066.	66.0	.660	.52201	.006	1
DCAL4	50000.	49900.	-99.5	-.199	2.7081	.010	1
DCAL5	100000.	99953.	-47.0	-.047	5.4547	.010	1



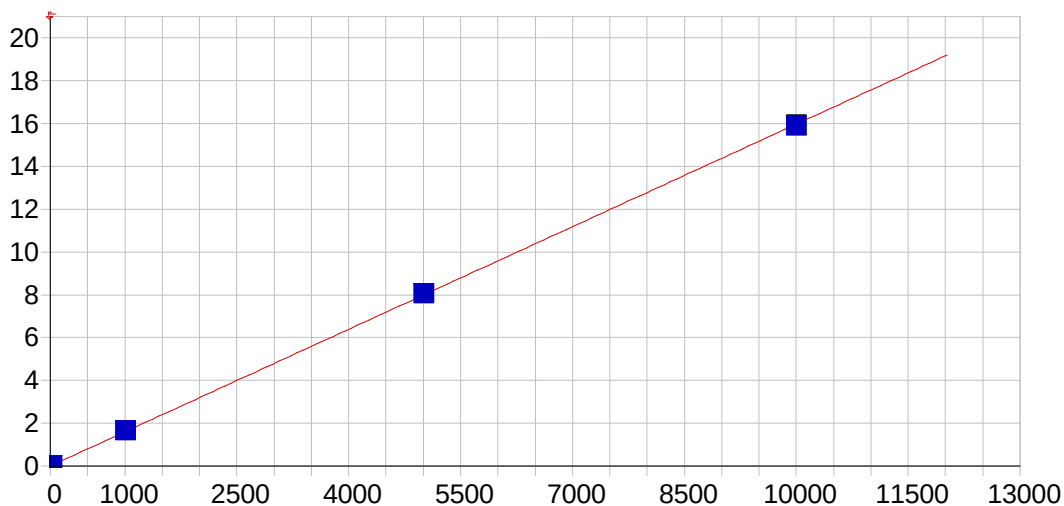
Mg 279.079 {121}

Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000095 Re-Slope: 1.000000
 A1 (Gain): 0.000025 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999987 Status: OK.
 Std Error of Est: 0.000231
 Predicted MDL: 7.900040

Predicted MQL: 26.333468

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.06133	-.061	.000	.00009	.000	1
DCAL2	5000.0	5093.3	93.3	1.87	.12692	.000	1
DCAL3	25000.	24927.	-73.3	-.293	.62077	.004	1
DCAL4	125000.	124160.	-844.	-.675	3.0916	.009	1
DCAL5	250000.	250820.	824.	.330	6.2456	.018	1

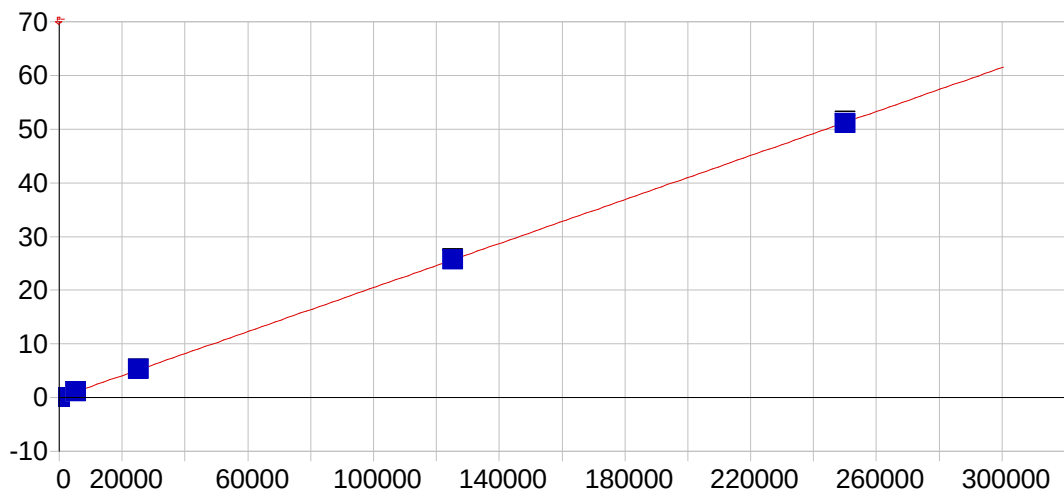


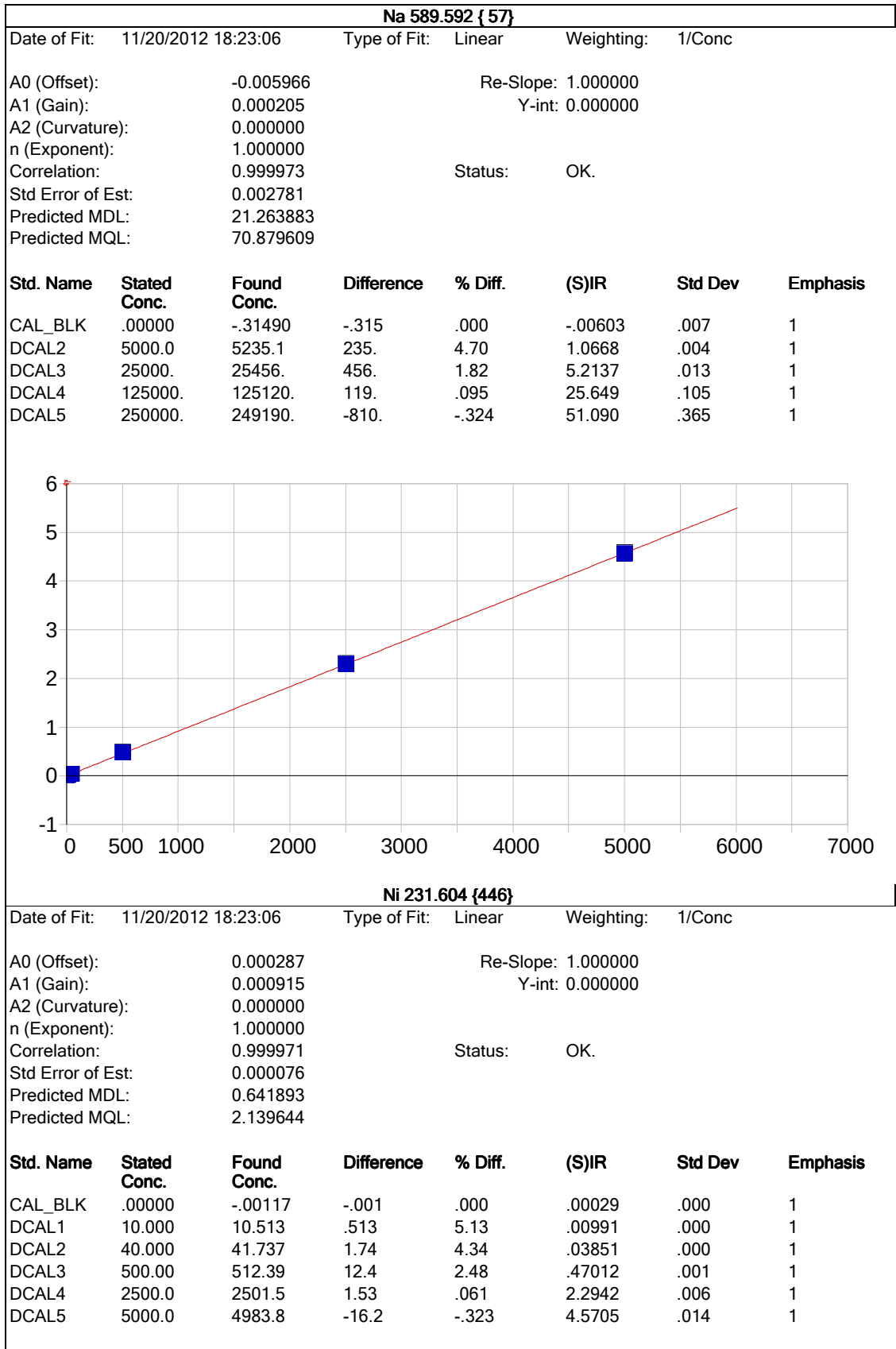
Mn 257.610 {131}

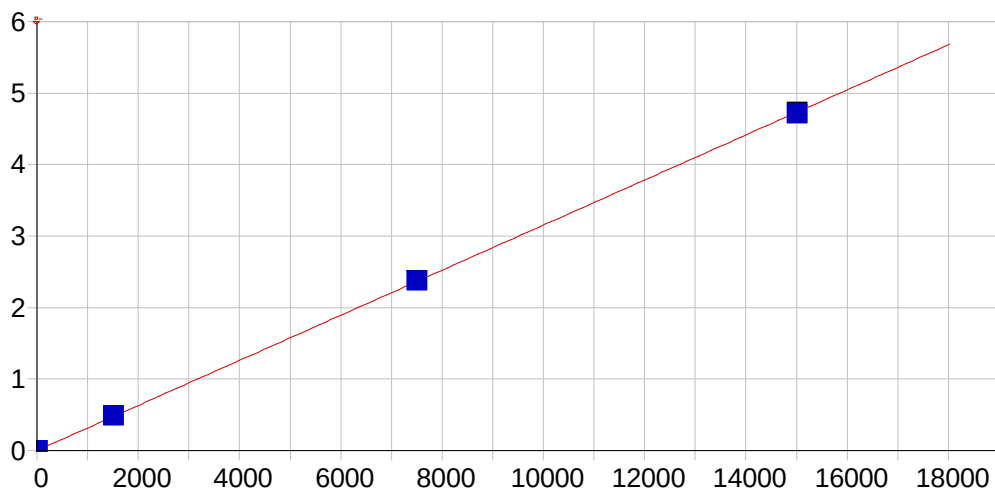
Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000316 Re-Slope: 1.000000
 A1 (Gain): 0.001597 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999960 Status: OK.
 Std Error of Est: 0.000285
 Predicted MDL: 0.131423
 Predicted MQL: 0.438077

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00137	-.001	.000	.00031	.000	1
DCAL2	15.000	15.973	.973	6.49	.02584	.000	1
DCAL3	1000.0	1026.3	26.3	2.63	1.6398	.006	1
DCAL4	5000.0	5030.6	30.6	.613	8.0368	.013	1
DCAL5	10000.	9942.1	-57.9	-.579	15.883	.043	1





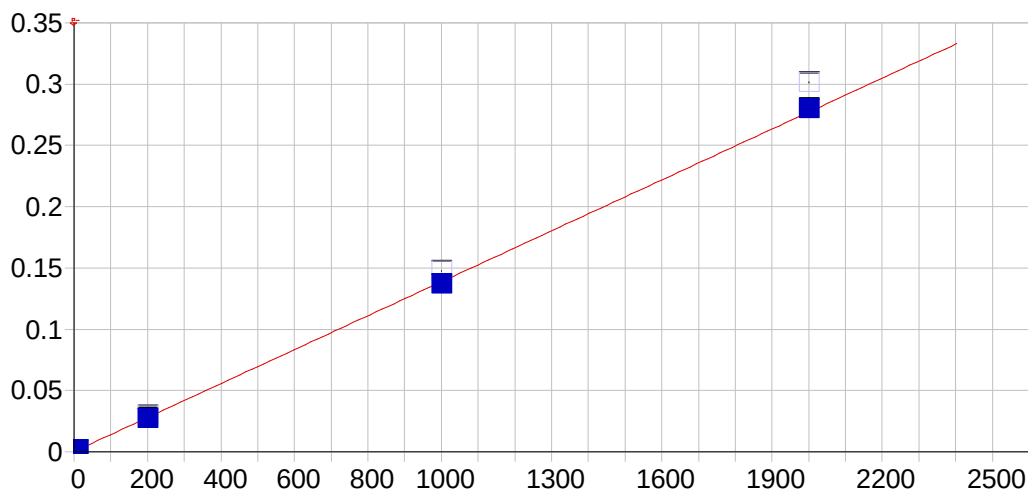


Pb 220.353 (453)

Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000360 Re-Slope: 1.000000
 A1 (Gain): 0.000315 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999948 Status: OK.
 Std Error of Est: 0.000045
 Predicted MDL: 2.074462
 Predicted MQL: 6.914875

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00244	-.002	.000	.00036	.000	1
DCAL2	5.0000	7.3115	2.31	46.2	.00266	.001	1
DCAL3	1500.0	1542.0	42.0	2.80	.48591	.001	1
DCAL4	7500.0	7511.0	11.0	.147	2.3654	.007	1
DCAL5	15000.	14945.	-55.4	-.369	4.7059	.017	1



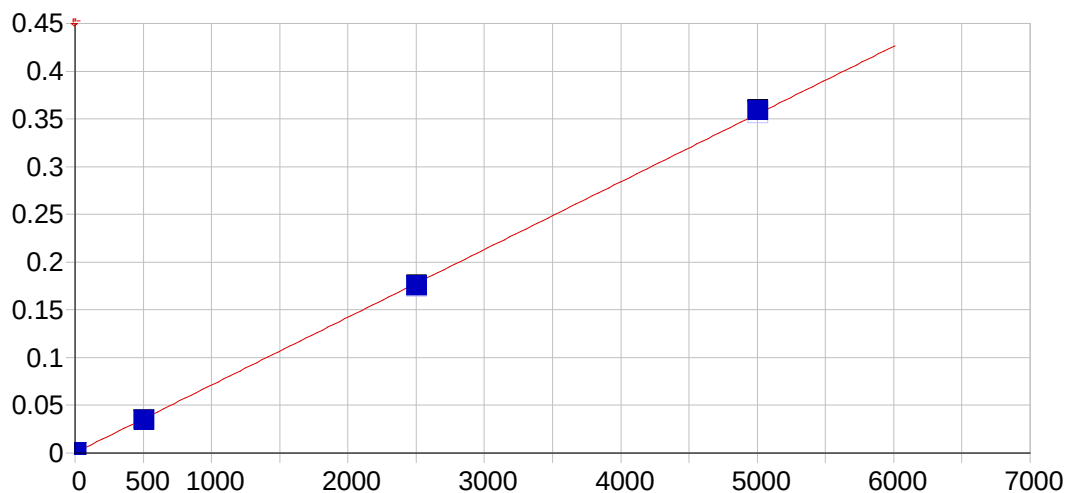
Sb 206.833 (463)

Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000282 Re-Slope: 1.000000
 A1 (Gain): 0.000138 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999920 Status: OK.
 Std Error of Est: 0.000014
 Predicted MDL: 3.109027

Predicted MQL: 10.363422

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00118	.001	.000	.00028	.000	1
DCAL2	10.000	9.0688	-.931	-9.31	.00151	.000	1
DCAL3	200.00	195.98	-4.02	-2.01	.02957	.000	1
DCAL4	1000.0	984.86	-15.1	-1.51	.14742	.000	1
DCAL5	2000.0	2020.0	20.0	1.00	.30153	.000	1

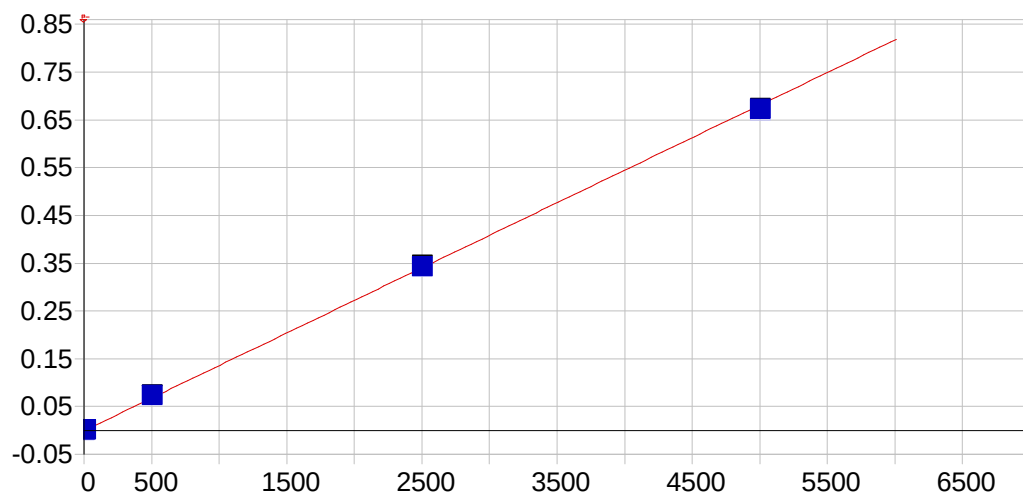


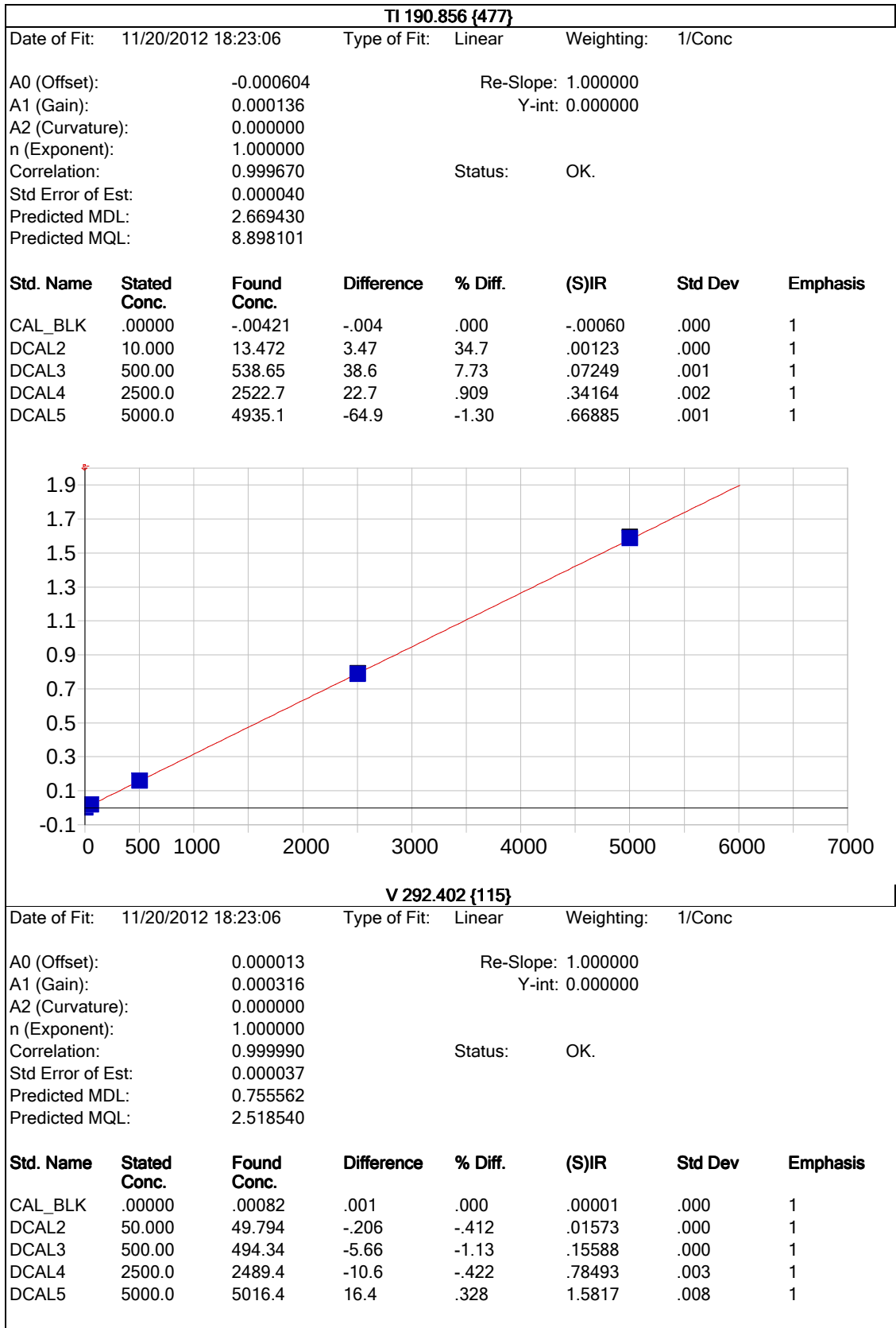
Se 196.090 (472)

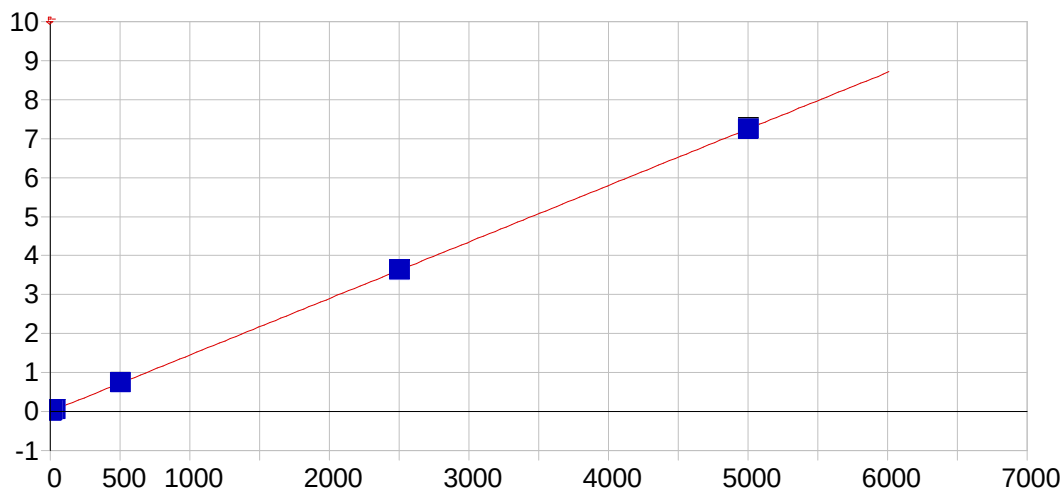
Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000300 Re-Slope: 1.000000
A1 (Gain): 0.000071 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999890 Status: OK.
Std Error of Est: 0.000009
Predicted MDL: 4.812818
Predicted MQL: 16.042727

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00004	.000	.000	.00030	.000	1
DCAL2	5.0000	5.2355	.235	4.71	.00067	.000	1
DCAL3	500.00	482.07	-17.9	-3.59	.03419	.000	1
DCAL4	2500.0	2464.4	-35.6	-1.42	.17358	.001	1
DCAL5	5000.0	5053.3	53.3	1.07	.35568	.001	1





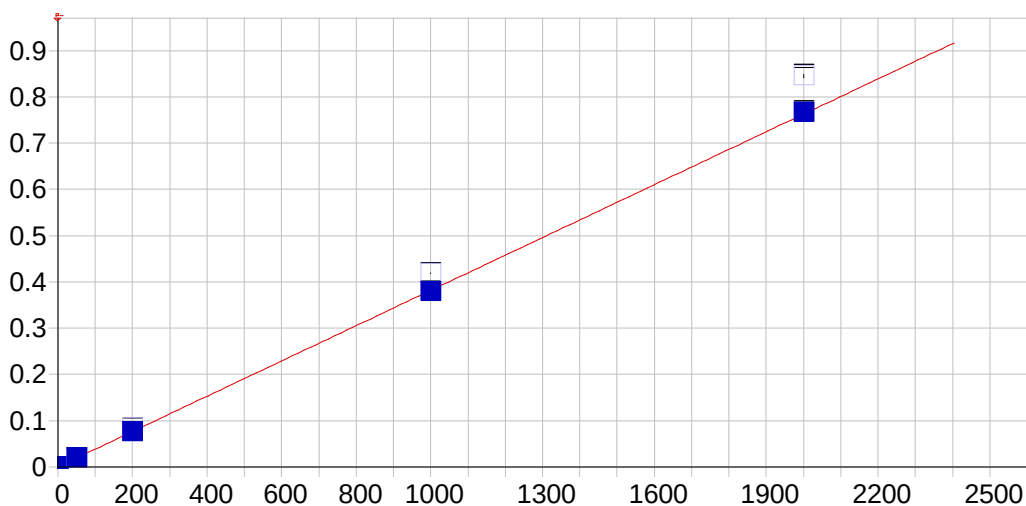


Zn 206.200 (463)

Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000022 Re-Slope: 1.000000
 A1 (Gain): 0.001450 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999993 Status: OK.
 Std Error of Est: 0.000059
 Predicted MDL: 0.286201
 Predicted MQL: 0.954004

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00071	-.001	.000	.00002	.000	1
DCAL2	30.000	30.984	.984	3.28	.04493	.001	1
DCAL3	500.00	505.70	5.70	1.14	.73241	.002	1
DCAL4	2500.0	2498.1	-1.87	-.075	3.6179	.009	1
DCAL5	5000.0	4994.9	-5.11	-.102	7.2338	.030	1
DCAL1	10.000	10.289	.289	2.89	.01494	.000	1



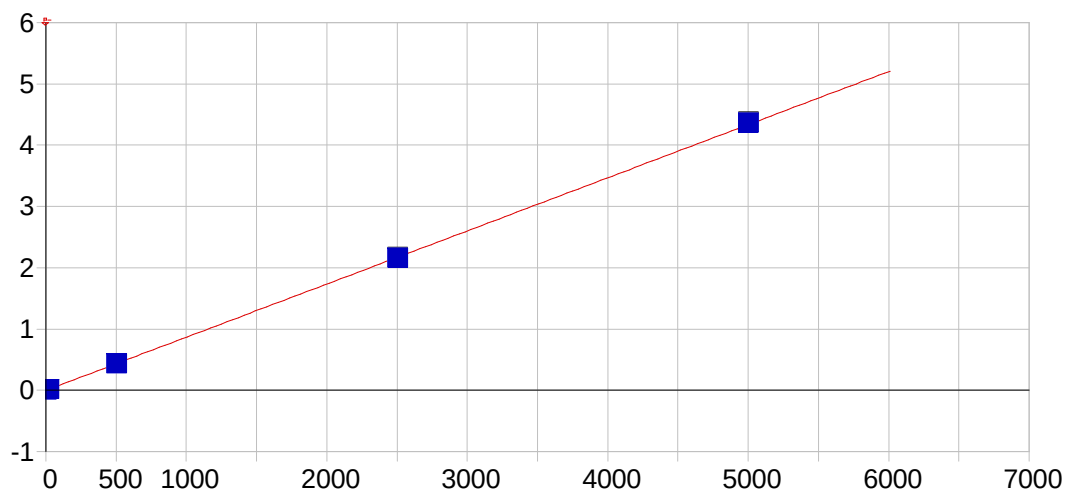
B 208.959 (461)

Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000540 Re-Slope: 1.000000
 A1 (Gain): 0.000381 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999978 Status: OK.
 Std Error of Est: 0.000046

Predicted MDL: 1.055017
 Predicted MQL: 3.516724

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00228	.002	.000	.00054	.000	1
DCAL2	50.000	48.238	-1.76	-3.52	.01923	.000	1
DCAL3	200.00	198.29	-1.71	-.854	.08398	.000	1
DCAL4	1000.0	993.21	-6.79	-.679	.41843	.001	1
DCAL5	2000.0	2010.1	10.1	.506	.84535	.003	1

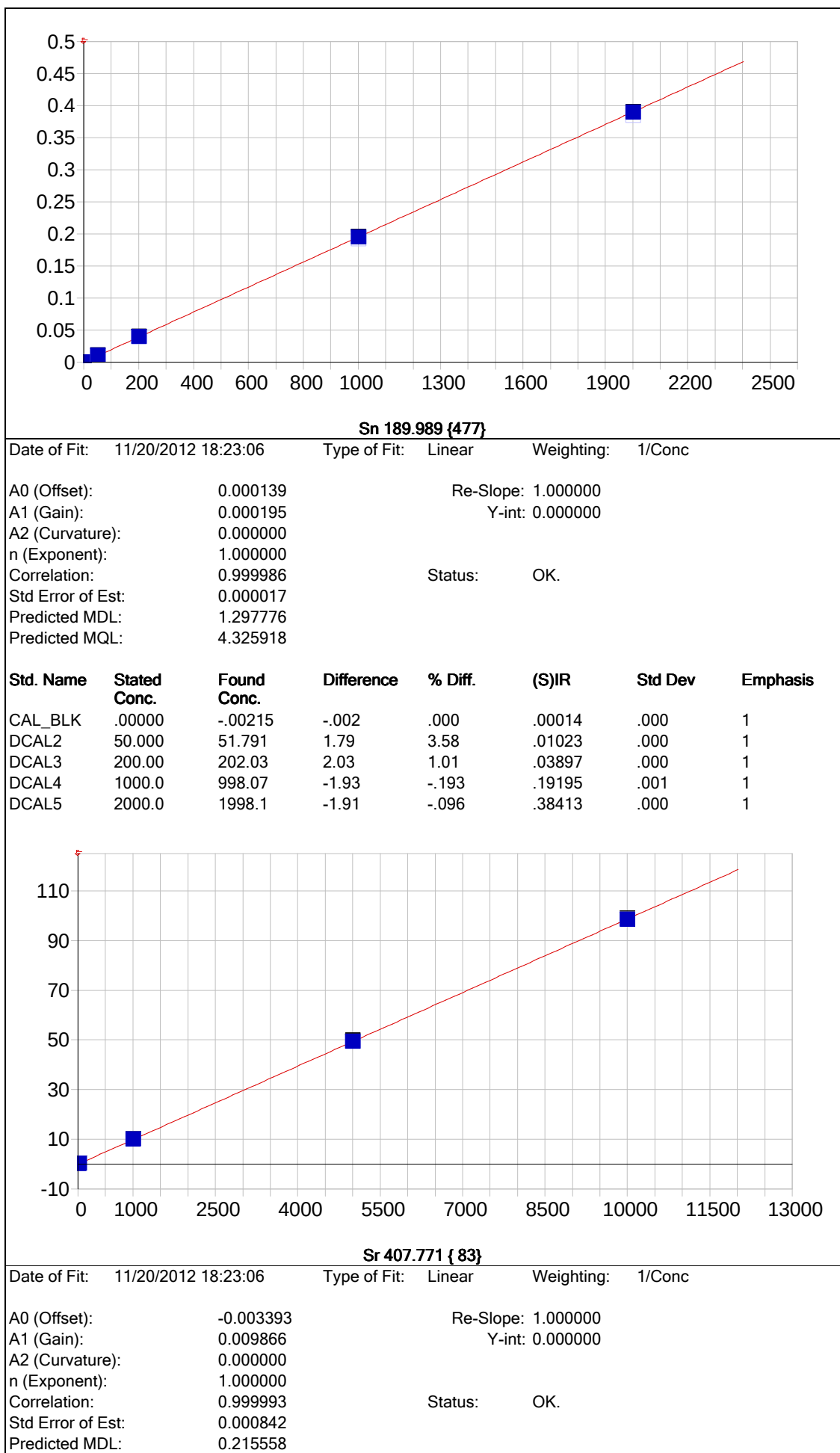


Mo 202.030 (467)

Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

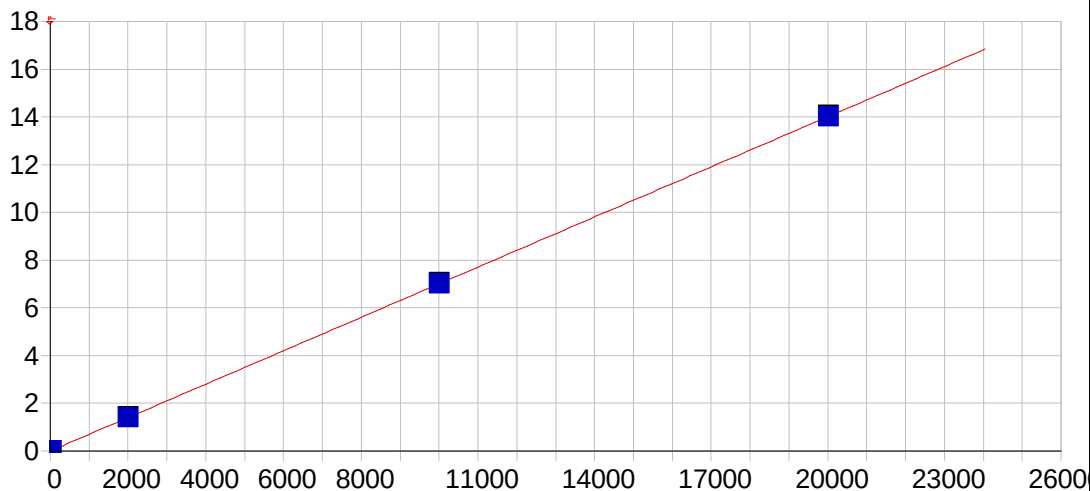
A0 (Offset): -0.000528 Re-Slope: 1.000000
 A1 (Gain): 0.000867 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999982 Status: OK.
 Std Error of Est: 0.000086
 Predicted MDL: 0.505645
 Predicted MQL: 1.685483

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00015	.000	.000	-.00053	.000	1
DCAL2	20.000	20.123	.123	.615	.01695	.000	1
DCAL3	500.00	494.43	-5.57	-1.11	.42883	.001	1
DCAL4	2500.0	2482.4	-17.6	-.706	2.1551	.008	1
DCAL5	5000.0	5023.1	23.1	.462	4.3614	.014	1



Predicted MQL: 0.718526

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00096	-.001	.000	-.00340	.000	1
DCAL2	20.000	20.725	.725	3.63	.20129	.001	1
DCAL3	1000.0	1012.9	12.9	1.29	9.9912	.039	1
DCAL4	5000.0	5002.2	2.17	.043	49.354	.329	1
DCAL5	10000.	9984.2	-15.8	-.158	98.513	.283	1

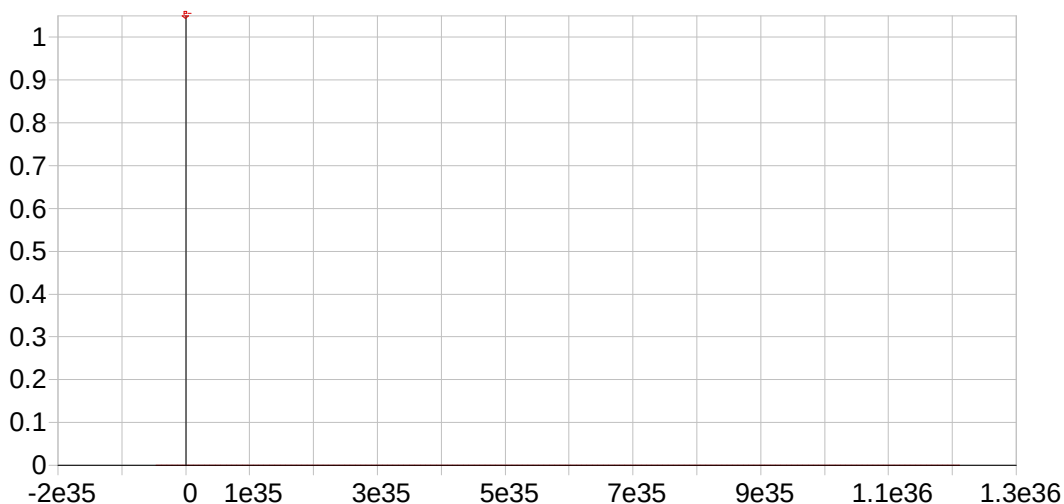


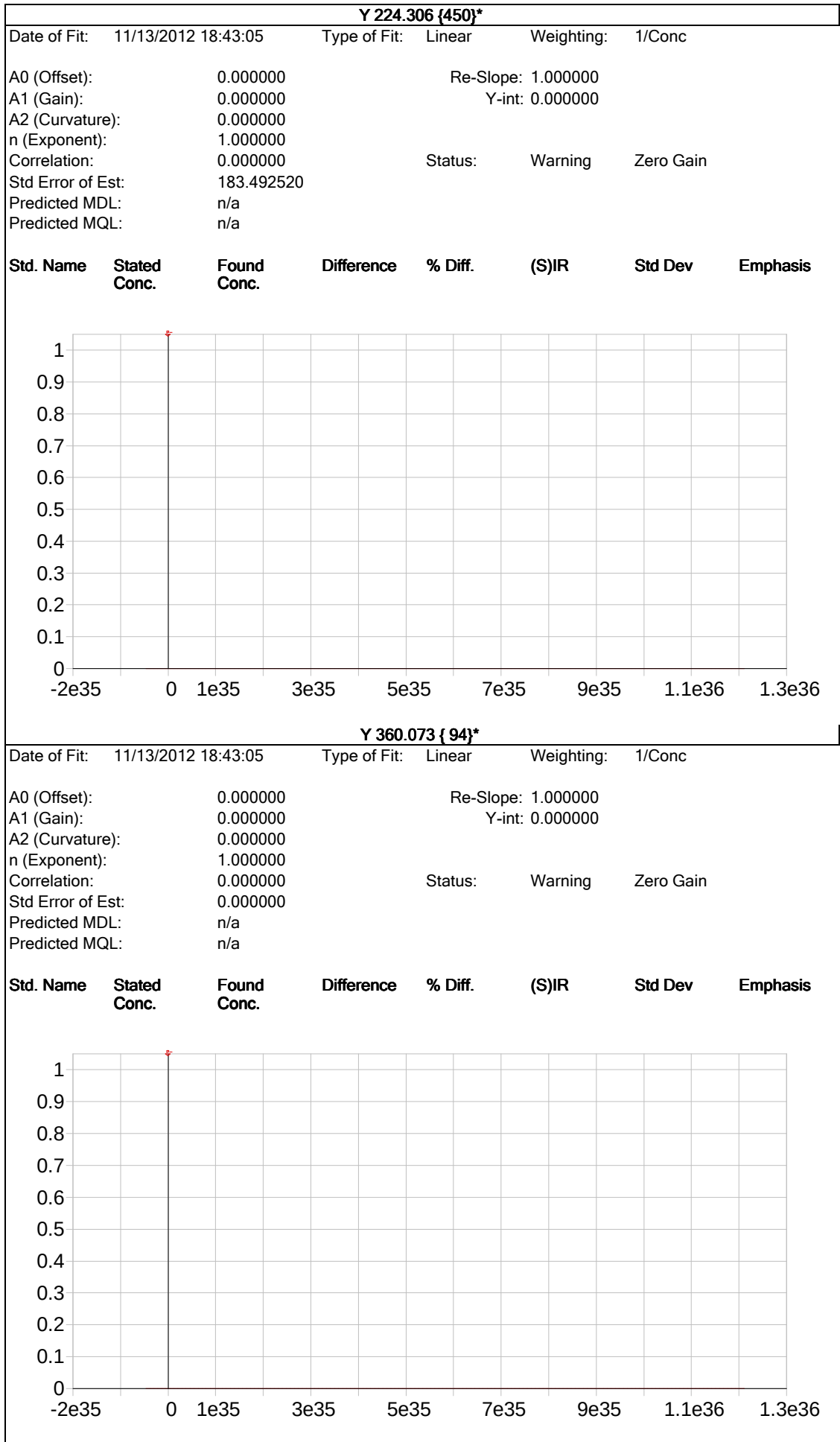
Ti 334.941 {101}

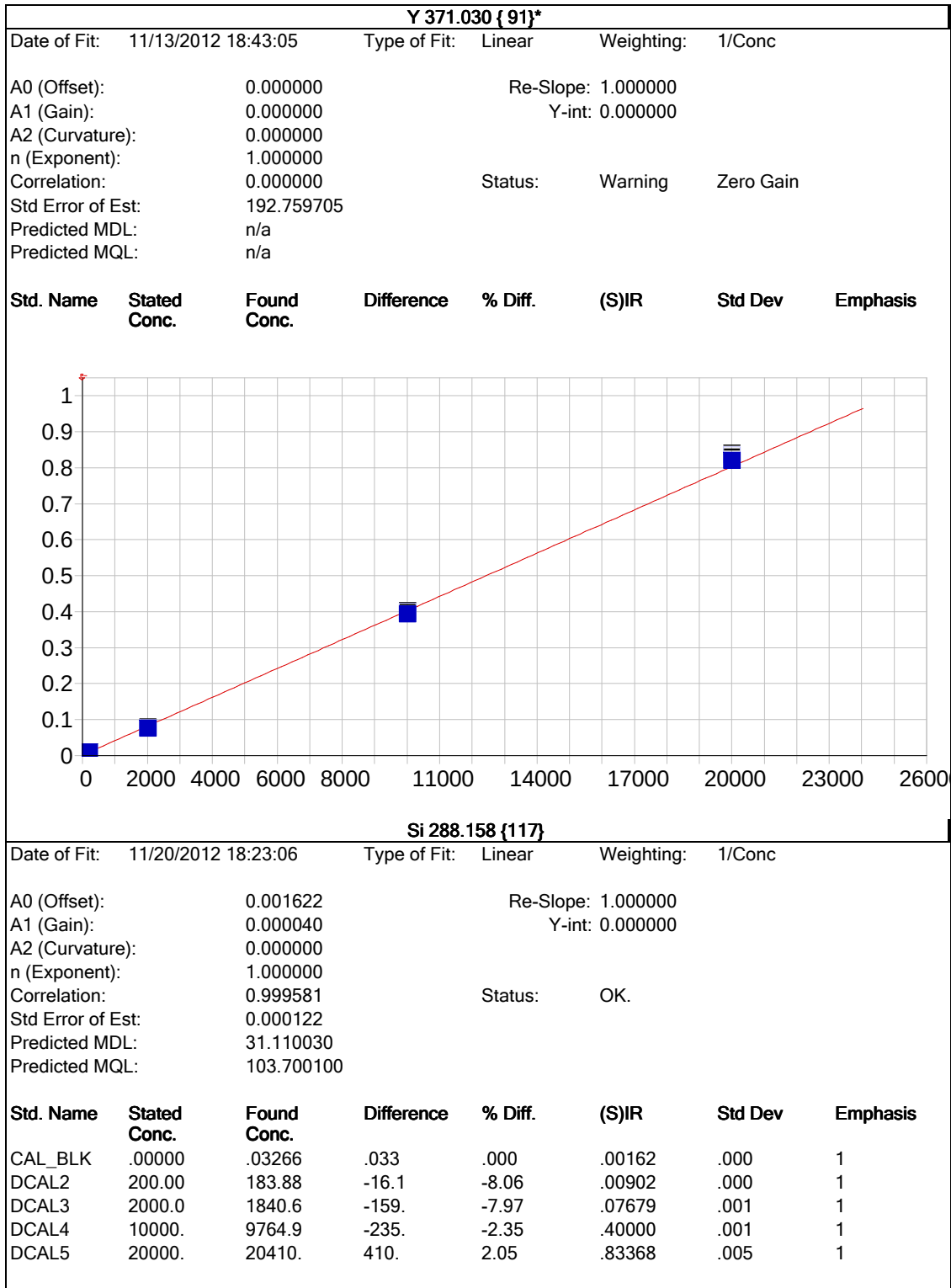
Date of Fit: 11/20/2012 18:23:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001972 Re-Slope: 1.000000
 A1 (Gain): 0.000700 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999999 Status: OK.
 Std Error of Est: 0.000029
 Predicted MDL: 2.418996
 Predicted MQL: 8.063321

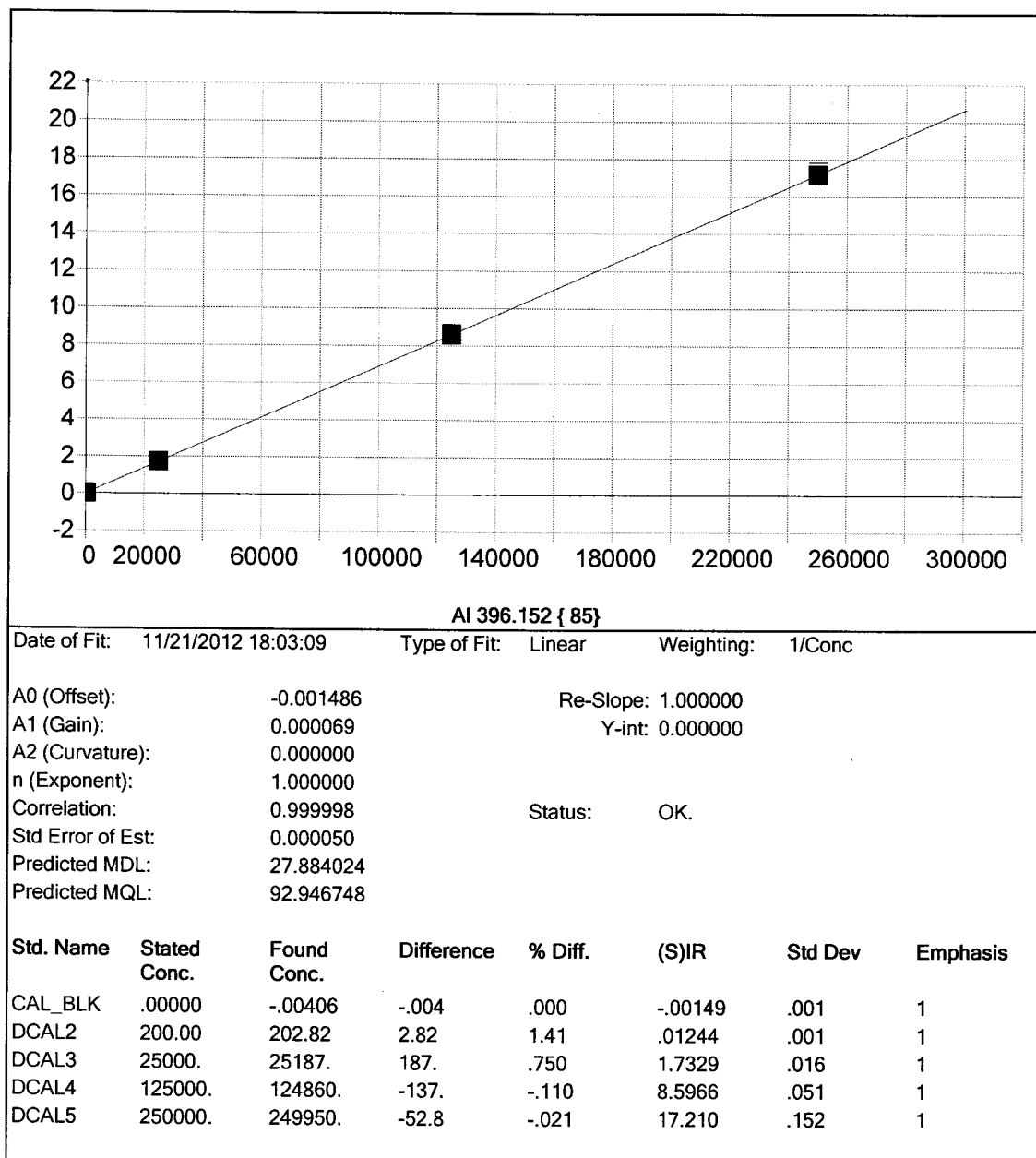
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00101	.001	.000	.00197	.000	1
DCAL2	20.000	18.989	-1.01	-5.05	.01534	.002	1
DCAL3	2000.0	2000.7	.699	.035	1.4036	.008	1
DCAL4	10000.	9997.7	-2.26	-.023	7.0060	.039	1
DCAL5	20000.	20003.	2.58	.013	14.015	.044	1

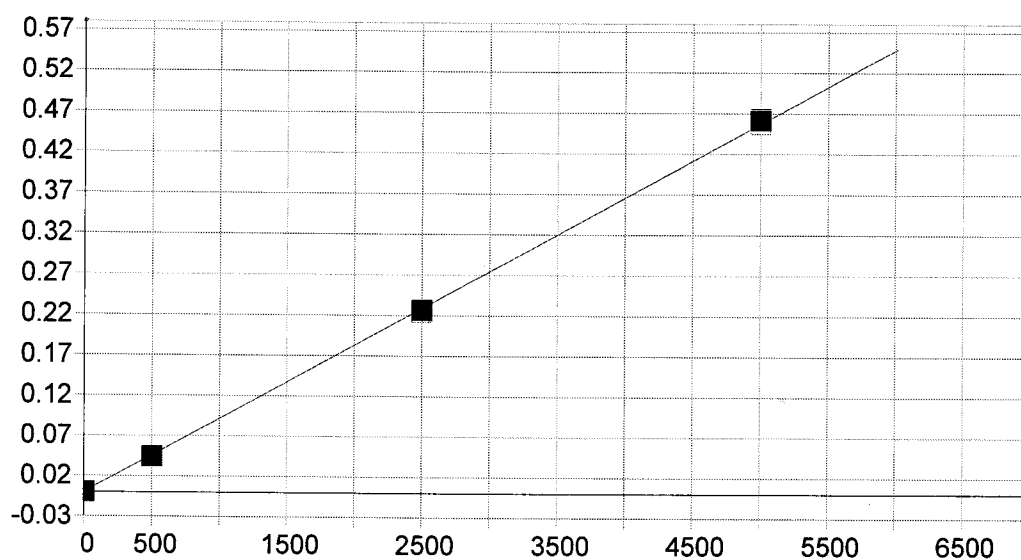






136648





As 189.042 {478}

Date of Fit: 11/21/2012 18:03:09

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000012

Re-Slope: 1.000000

A1 (Gain): 0.000091

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999840

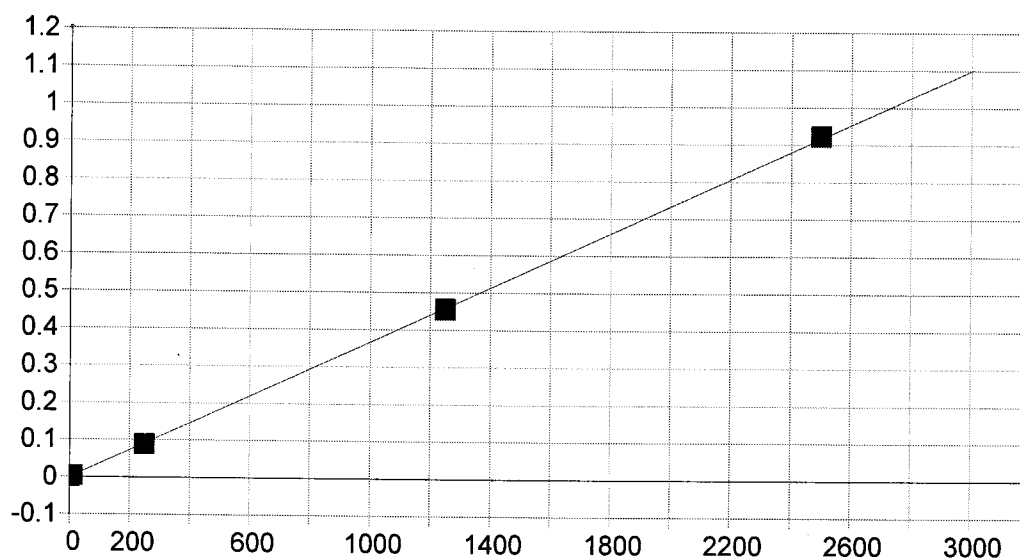
Status: OK.

Std Error of Est: 0.000013

Predicted MDL: 3.351209

Predicted MQL: 11.170698

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00246	.002	.000	.00001	.000	1
DCAL2	5.0000	2.7281	-2.27	-45.4	.00025	.000	1
DCAL3	500.00	481.58	-18.4	-3.68	.04355	.000	1
DCAL4	2500.0	2471.8	-28.2	-1.13	.22356	.001	1
DCAL5	5000.0	5048.8	48.8	.977	.45672	.002	1

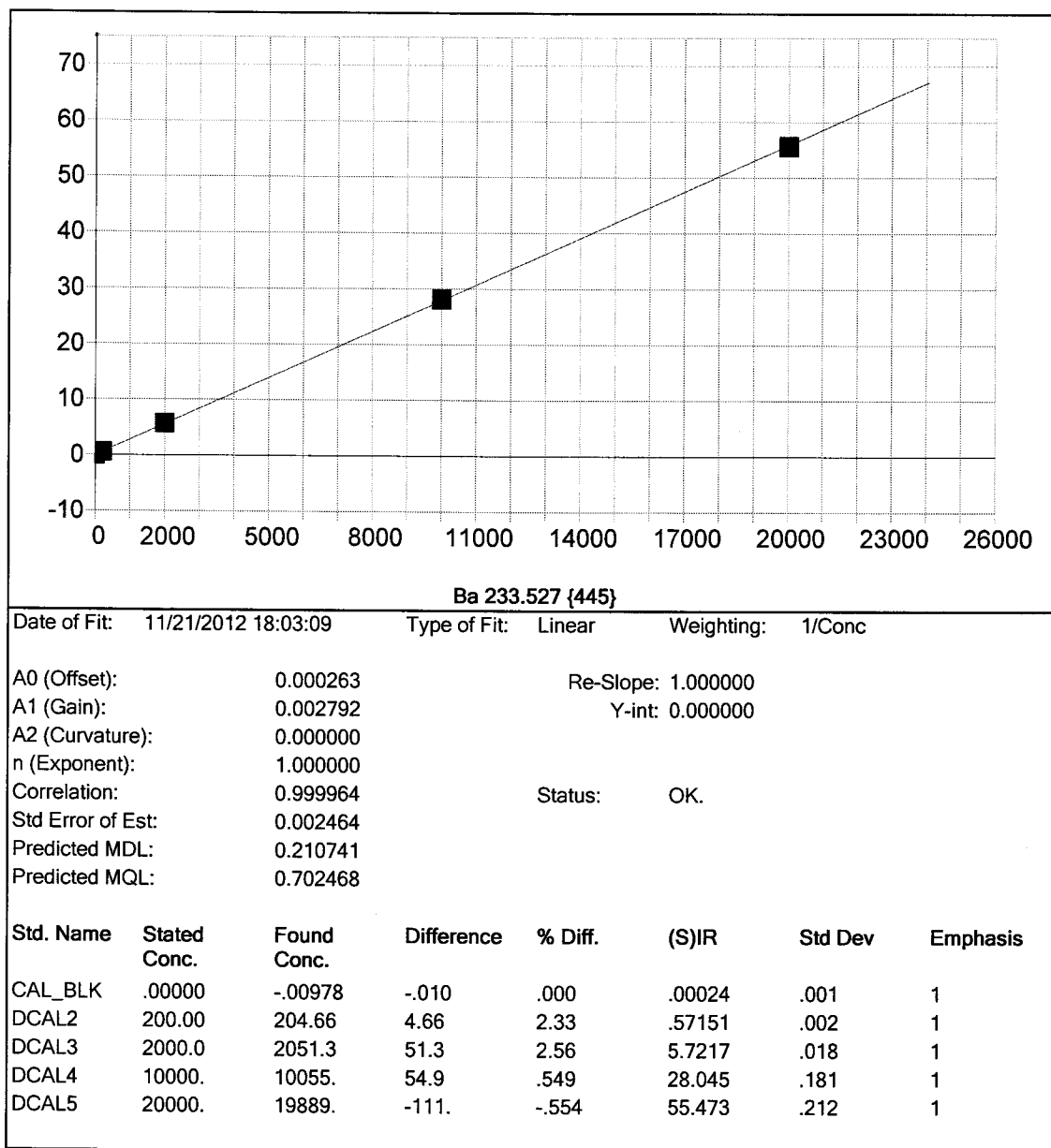


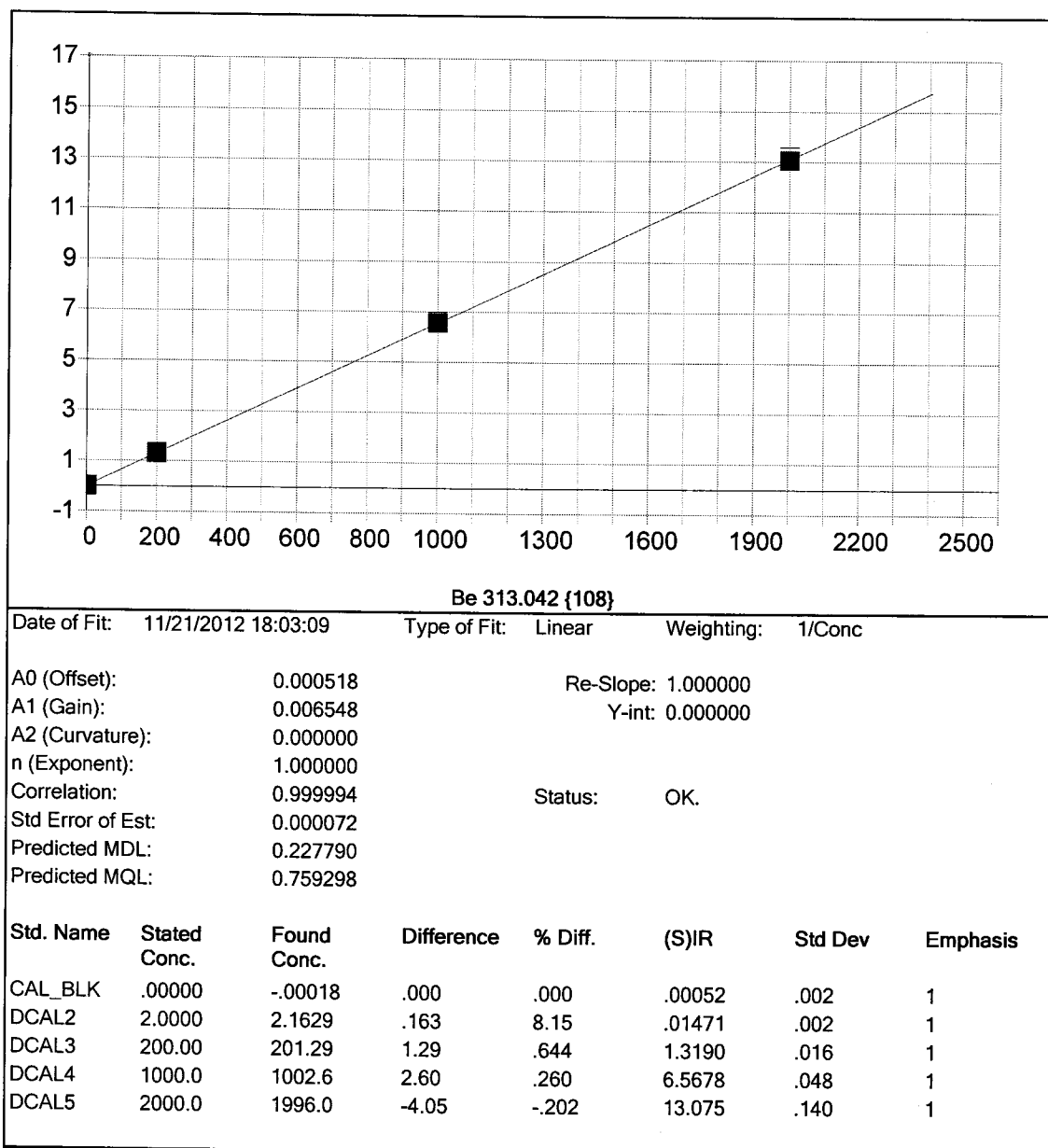
Ag 328.068 {103}

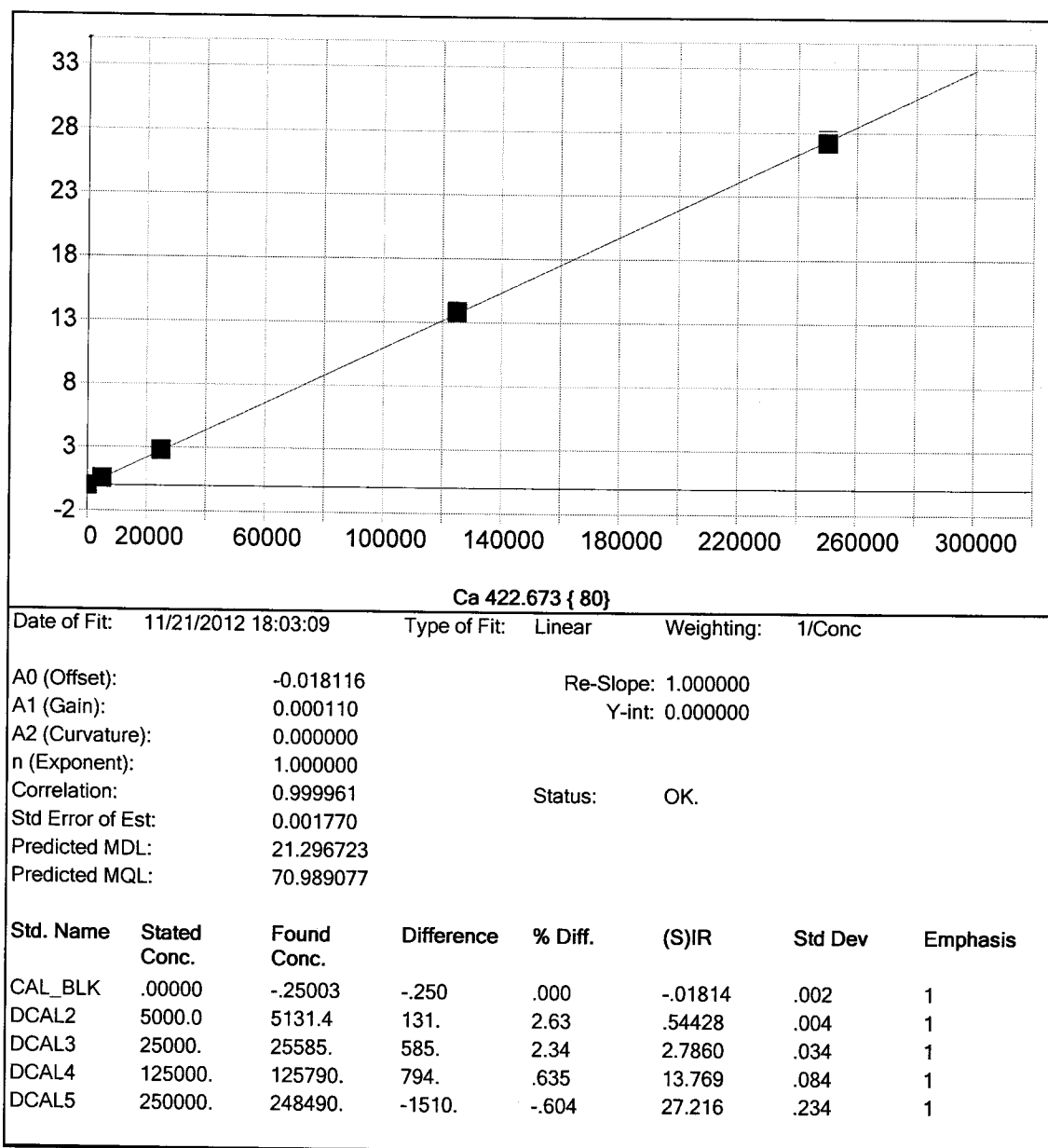
Date of Fit: 11/21/2012 18:03:09 Type of Fit: Linear Weighting: 1/Conc

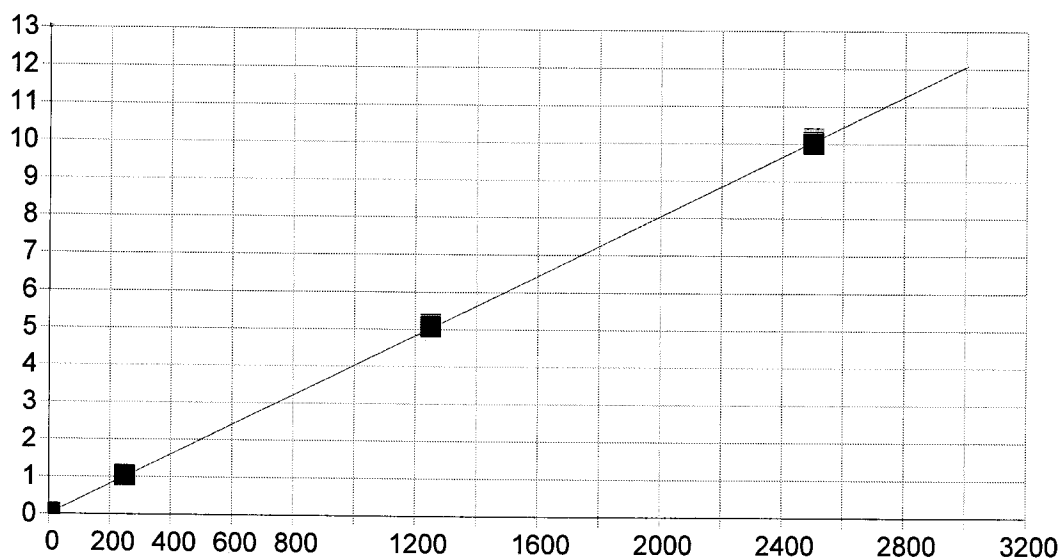
A0 (Offset): -0.000630 Re-Slope: 1.000000
 A1 (Gain): 0.000367 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999945 Status: OK.
 Std Error of Est: 0.000031
 Predicted MDL: 1.093354
 Predicted MQL: 3.644515

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00007	.000	.000	-.00063	.000	1
DCAL2	10.000	10.236	.236	2.36	.00310	.000	1
DCAL3	250.00	242.76	-7.24	-2.90	.08816	.001	1
DCAL4	1250.0	1239.2	-10.8	-.867	.45261	.003	1
DCAL5	2500.0	2517.8	17.8	.714	.92035	.002	1







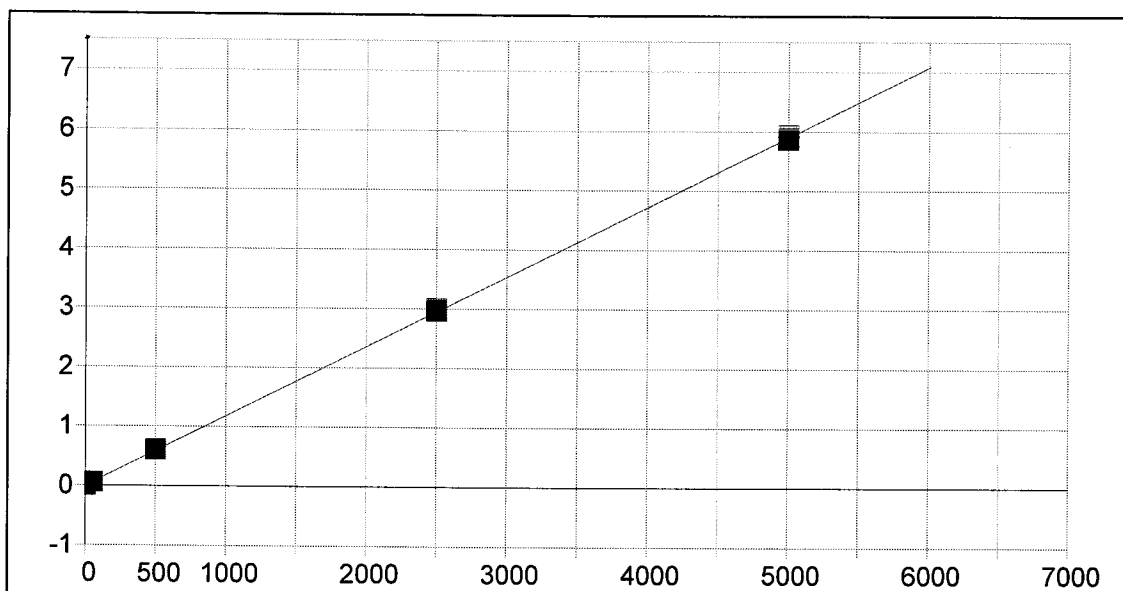


Cd 226.502 {449}

Date of Fit: 11/21/2012 18:03:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000552 Re-Slope: 1.000000
 A1 (Gain): 0.004021 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999965 Status: OK.
 Std Error of Est: 0.000174
 Predicted MDL: 0.171811
 Predicted MQL: 0.572704

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00018	.000	.000	.00055	.000	1
DCAL2	4.0000	4.0745	.075	1.86	.01701	.000	1
DCAL3	250.00	256.30	6.30	2.52	1.0412	.004	1
DCAL4	1250.0	1257.5	7.50	.600	5.1072	.034	1
DCAL5	2500.0	2486.1	-13.9	-.555	10.098	.047	1

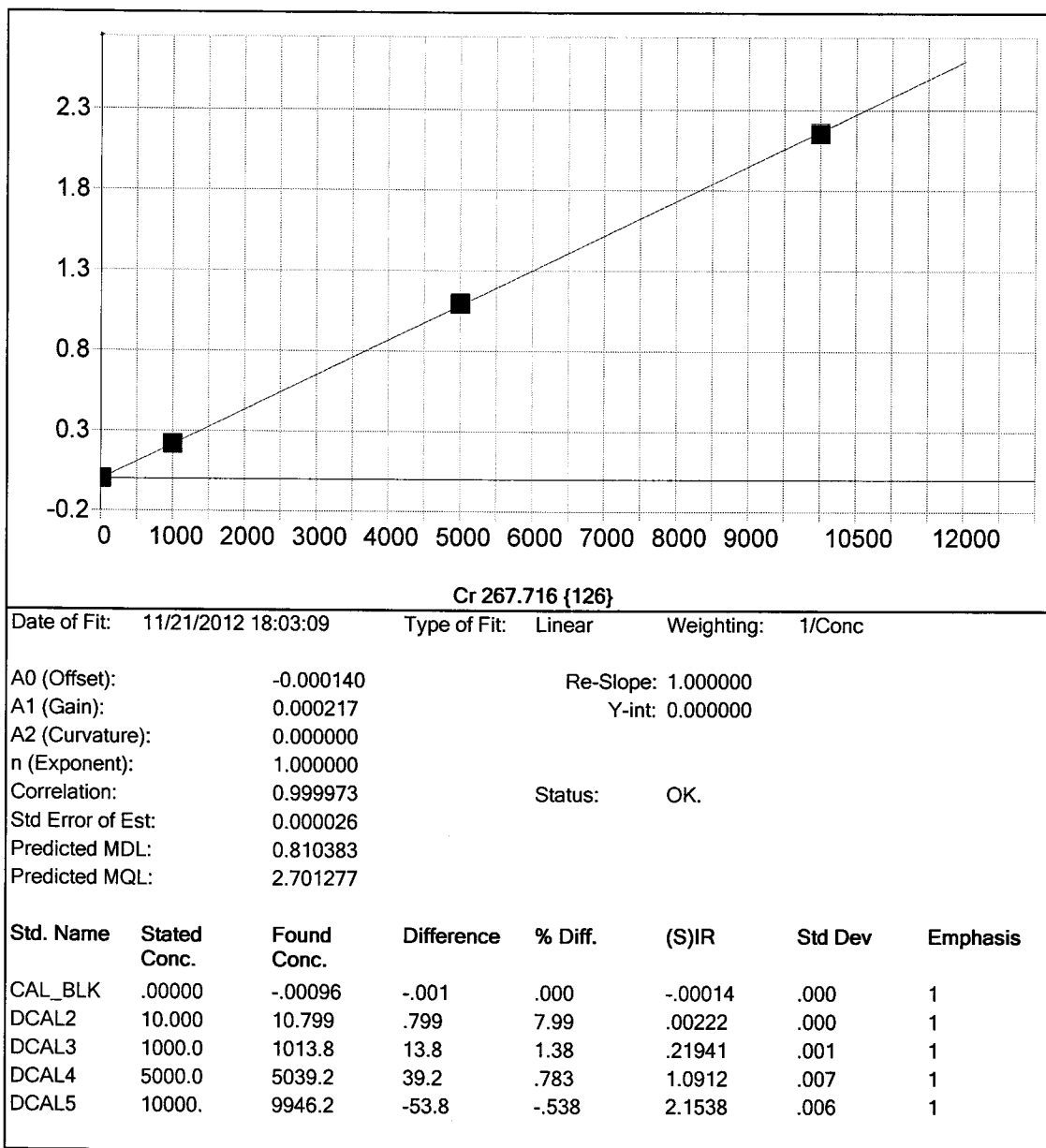


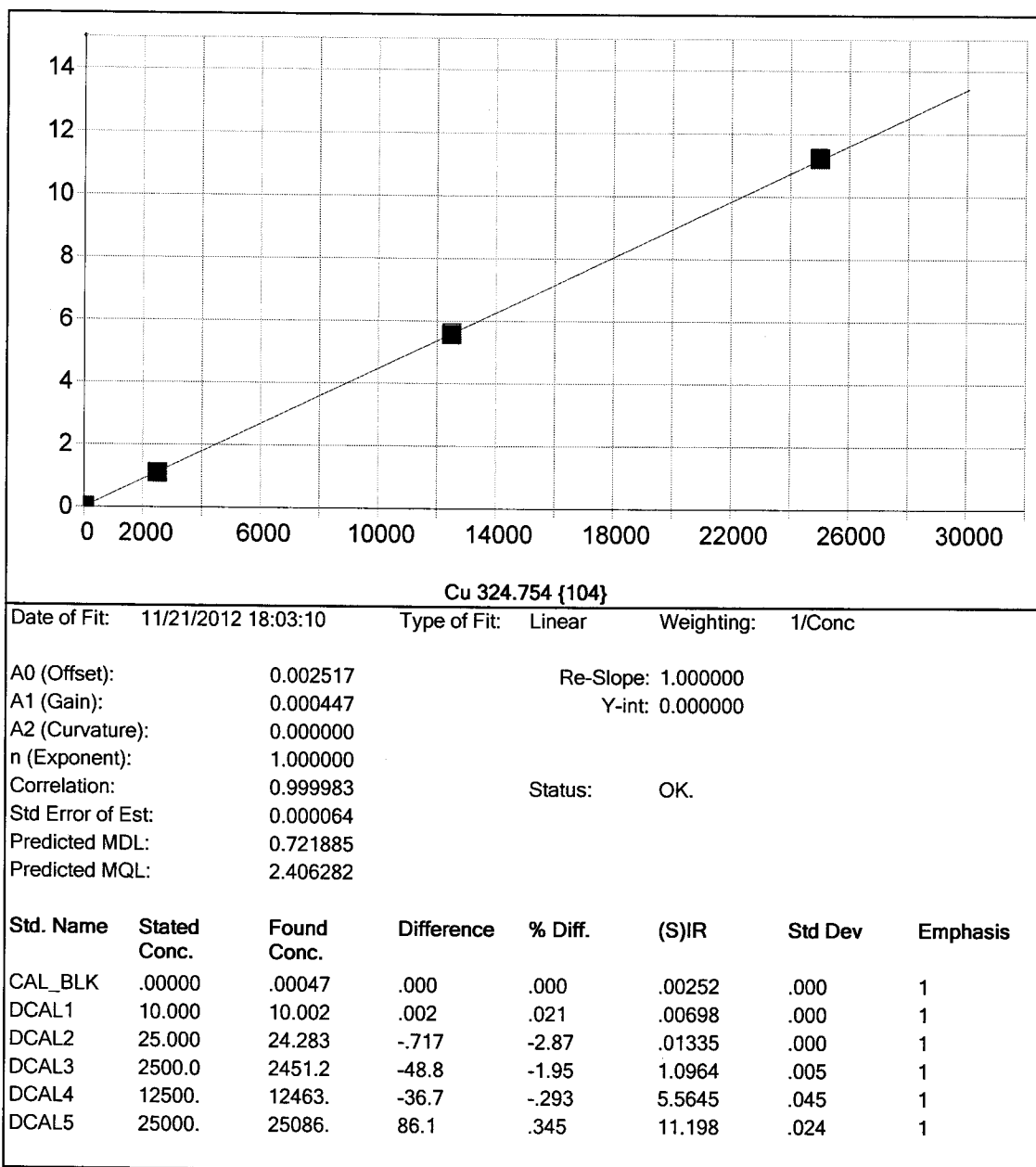
Co 228.616 {447}

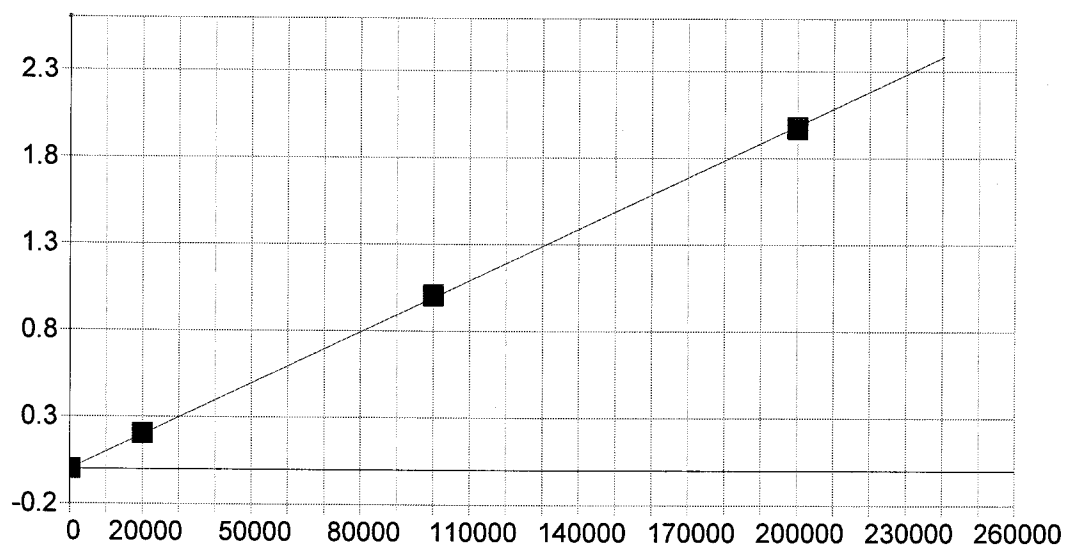
Date of Fit: 11/21/2012 18:03:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000182 Re-Slope: 1.000000
 A1 (Gain): 0.001180 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999950 Status: OK.
 Std Error of Est: 0.000309
 Predicted MDL: 0.445800
 Predicted MQL: 1.486001

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00403	-.004	.000	-.00019	.000	1
DCAL2	50.000	52.581	2.58	5.16	.06184	.000	1
DCAL3	500.00	514.93	14.9	2.99	.61235	.001	1
DCAL4	2500.0	2512.5	12.5	.500	2.9891	.013	1
DCAL5	5000.0	4970.0	-30.0	-.600	5.9135	.023	1







Fe 271.441 {124}

Date of Fit: 11/21/2012 18:03:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000050 Re-Slope: 1.000000
 A1 (Gain): 0.000010 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000

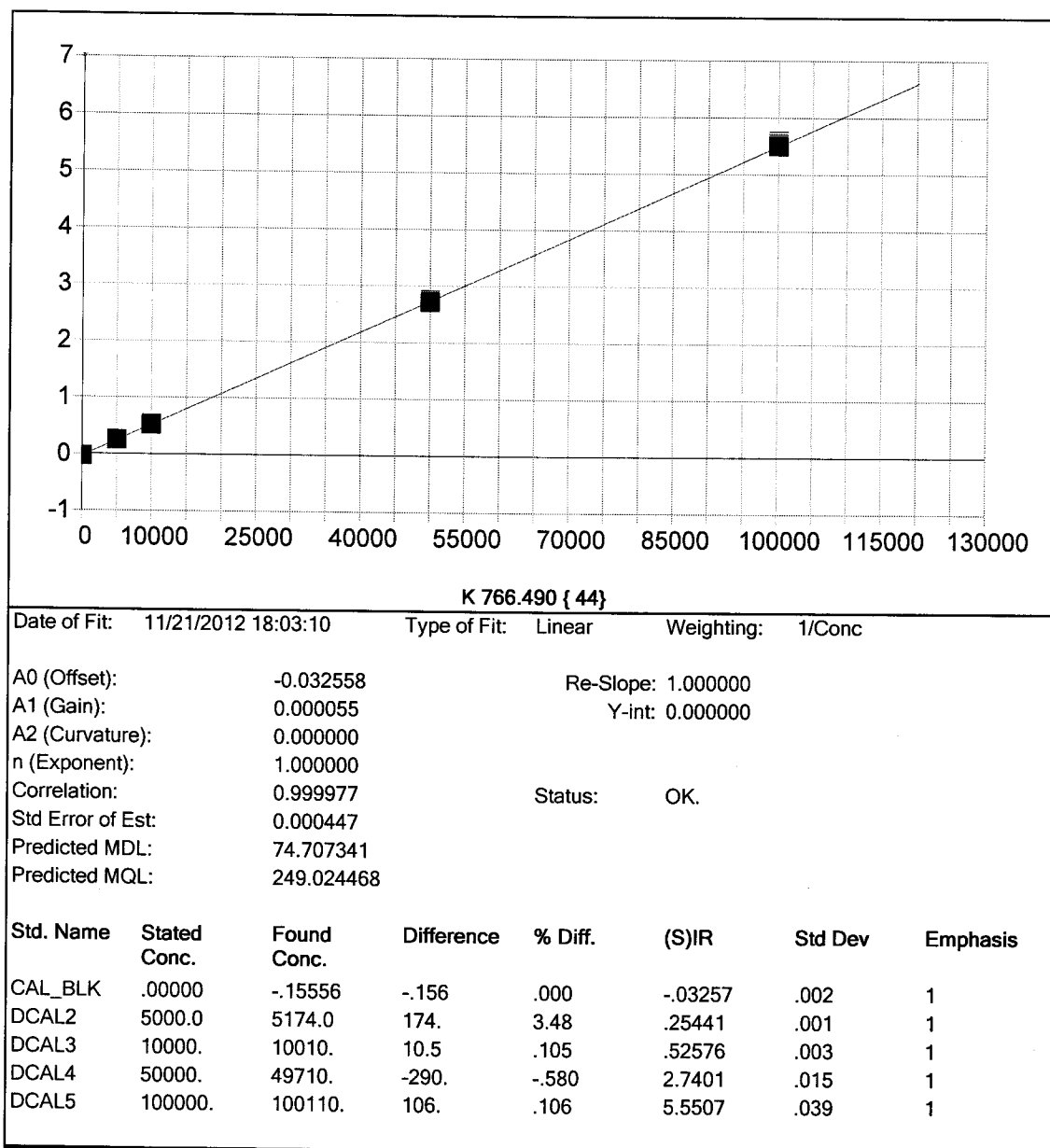
Correlation: 0.999939 Status: OK.

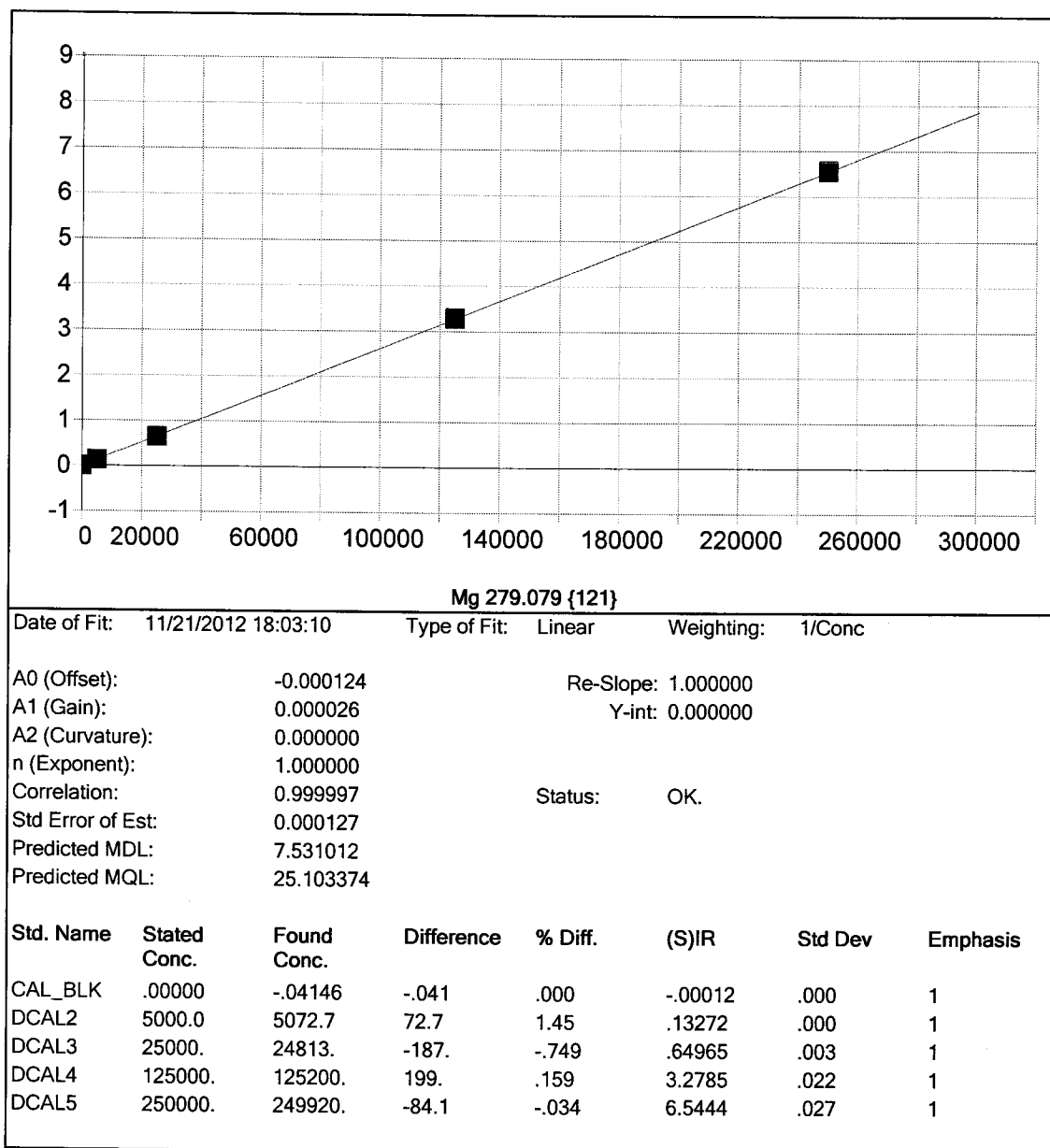
Std Error of Est: 0.000024

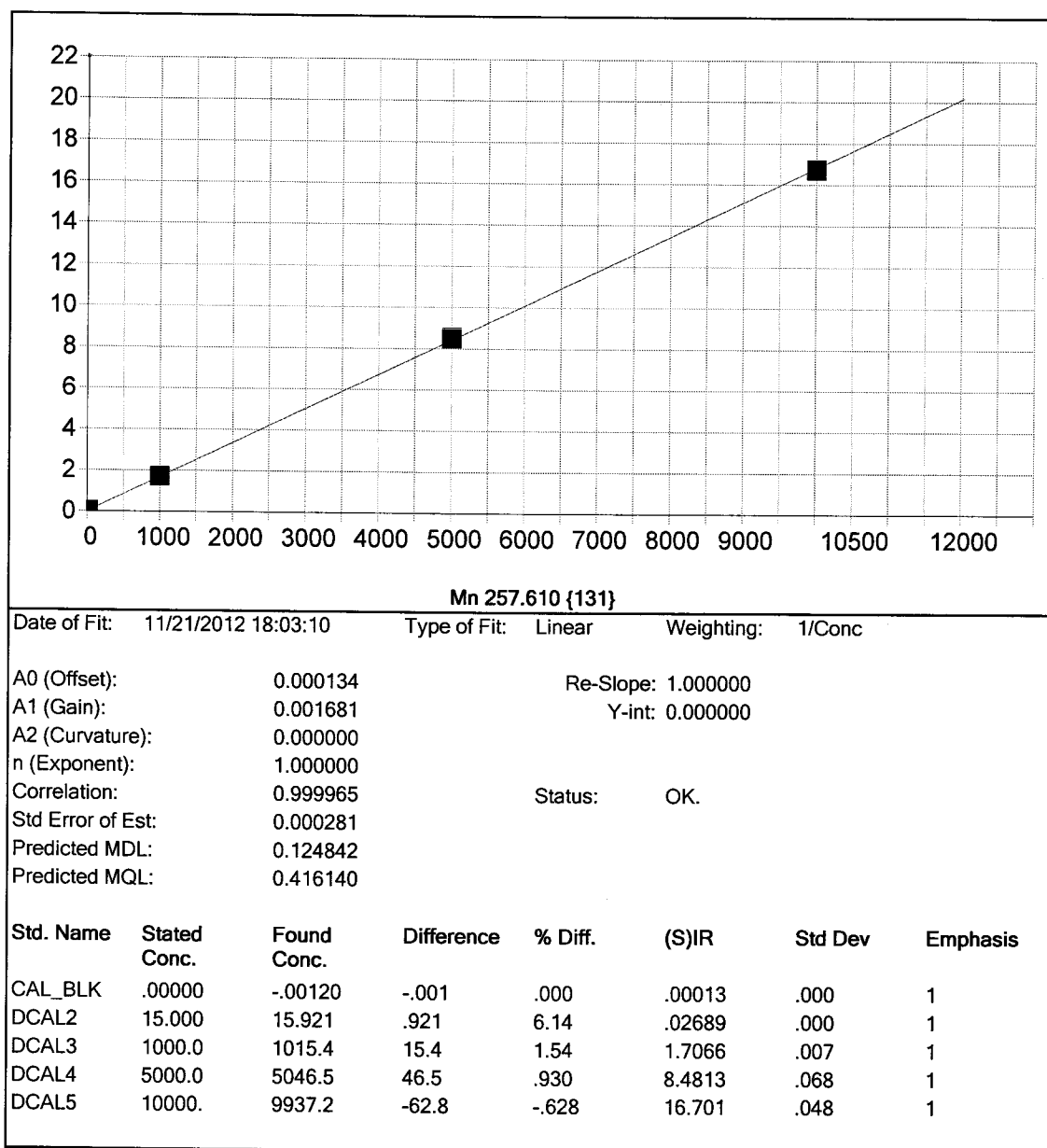
Predicted MDL: 18.958820

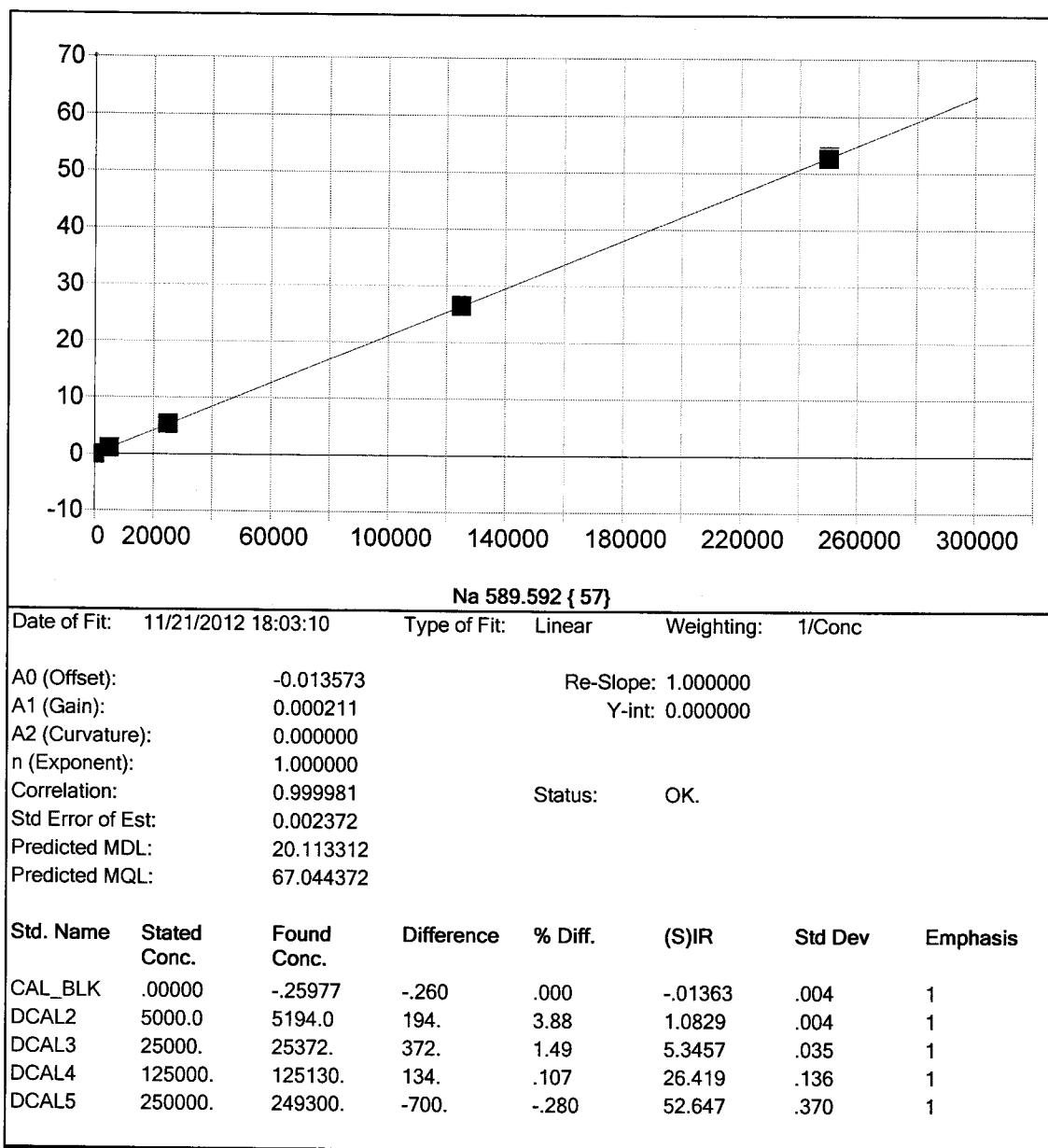
Predicted MQL: 63.196066

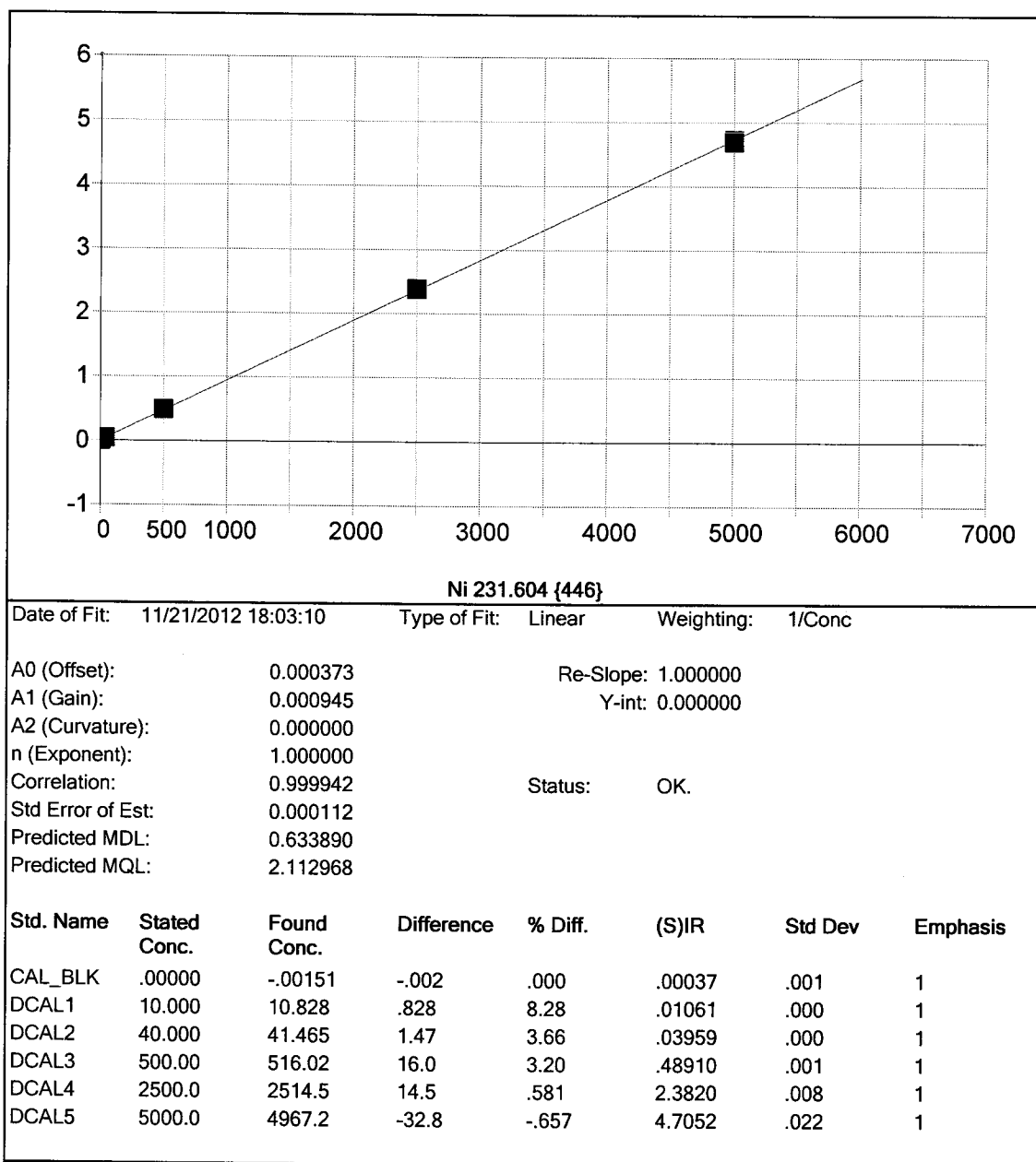
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.01120	-.011	.000	.00005	.000	1
DCAL1	100.00	105.34	5.34	5.34	.00109	.000	1
DCAL2	150.00	154.45	4.45	2.97	.00161	.000	1
DCAL3	20000.	20523.	523.	2.61	.20400	.000	1
DCAL4	100000.	101090.	1090.	1.09	1.0047	.006	1
DCAL5	200000.	198380.	-1620.	-.810	1.9717	.006	1

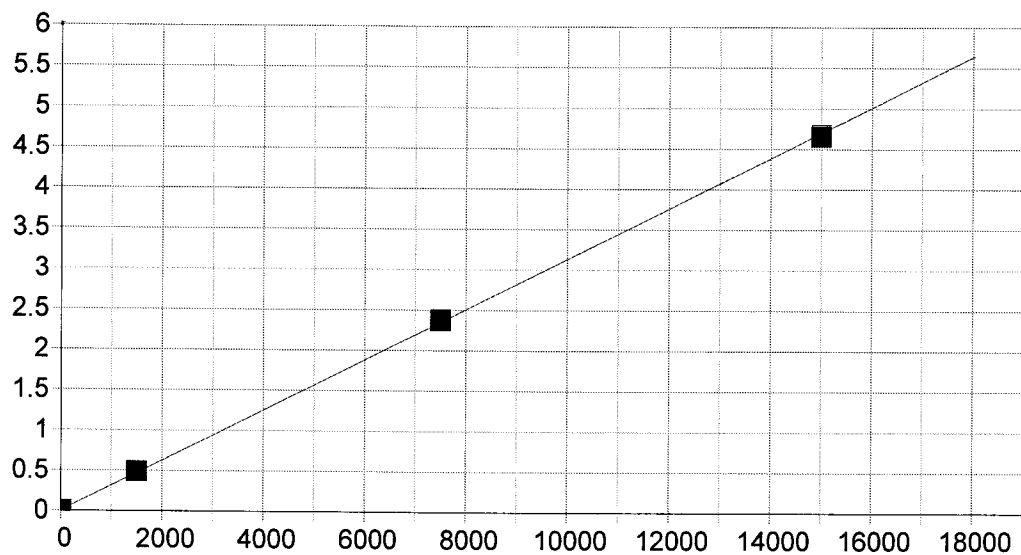










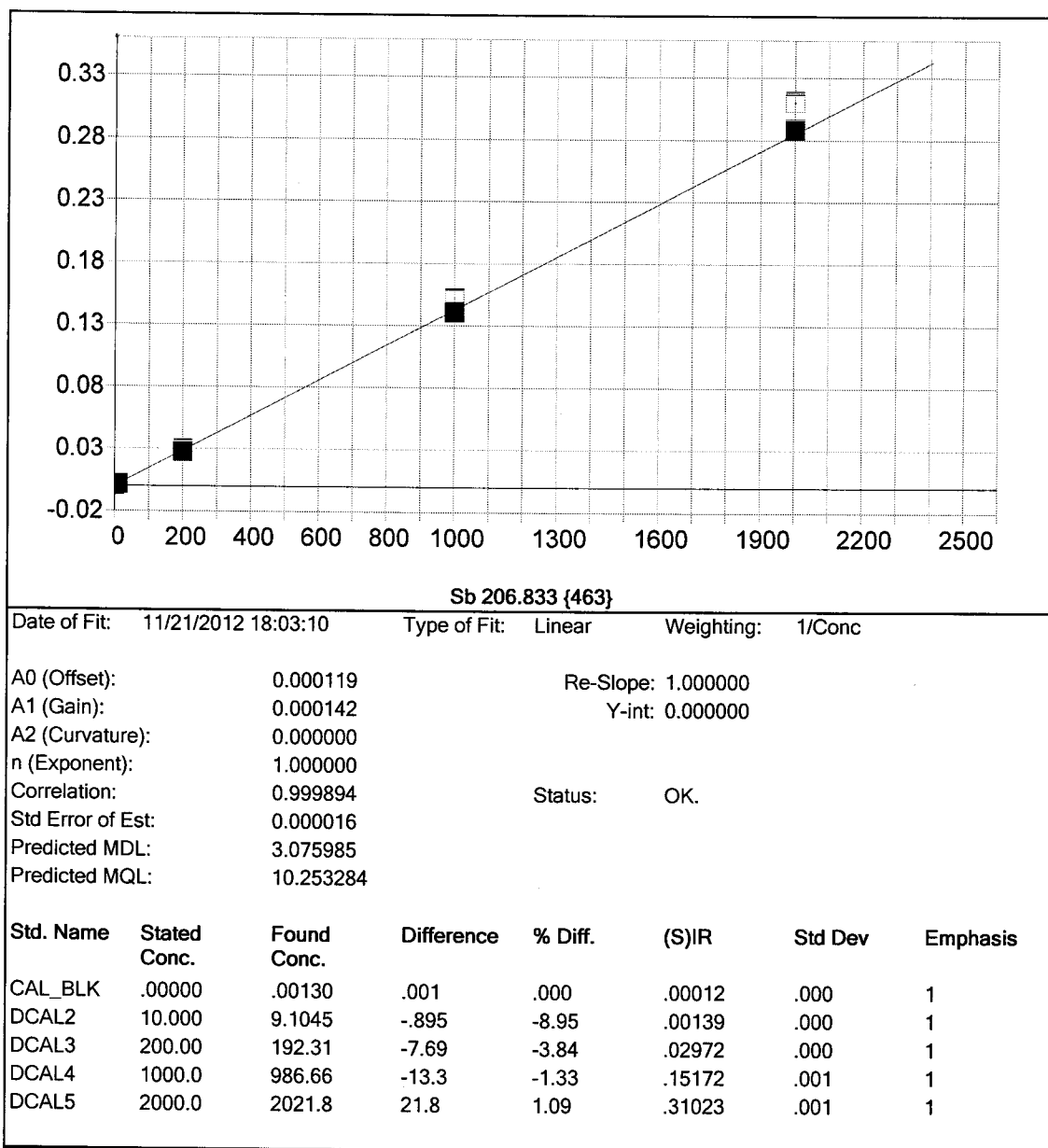


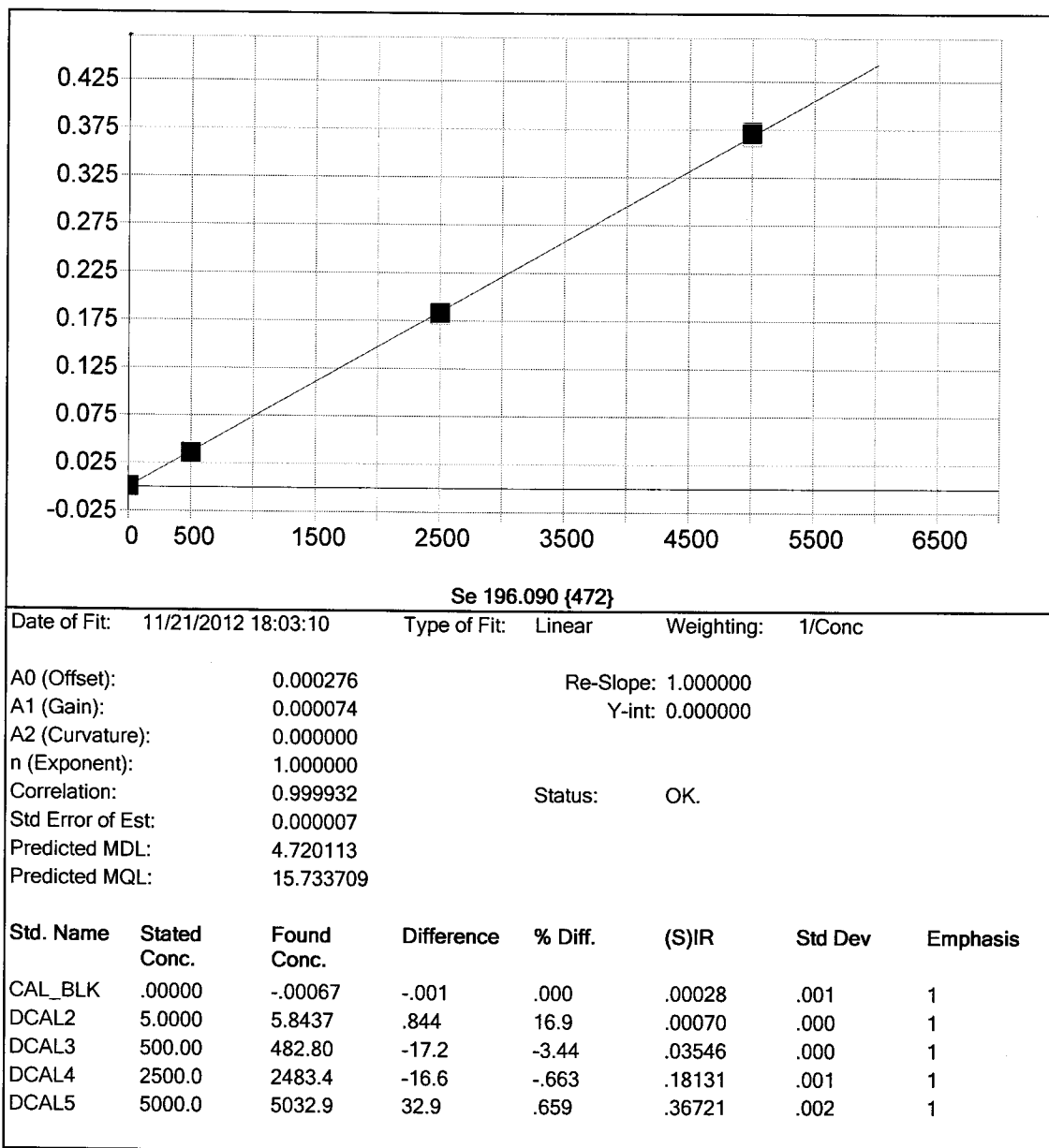
Pb 220.353 {453}

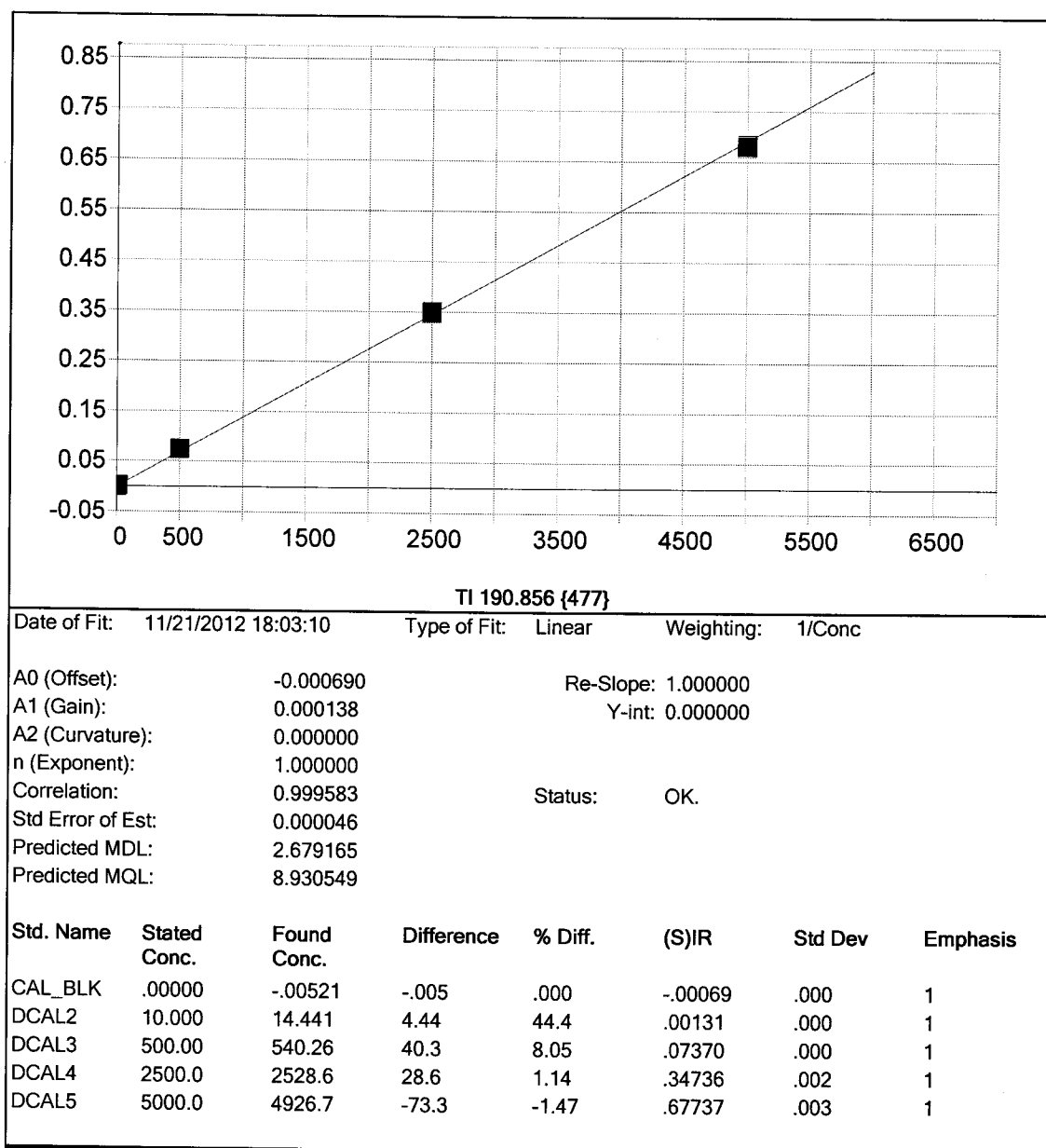
Date of Fit: 11/21/2012 18:03:10 Type of Fit: Linear Weighting: 1/Conc

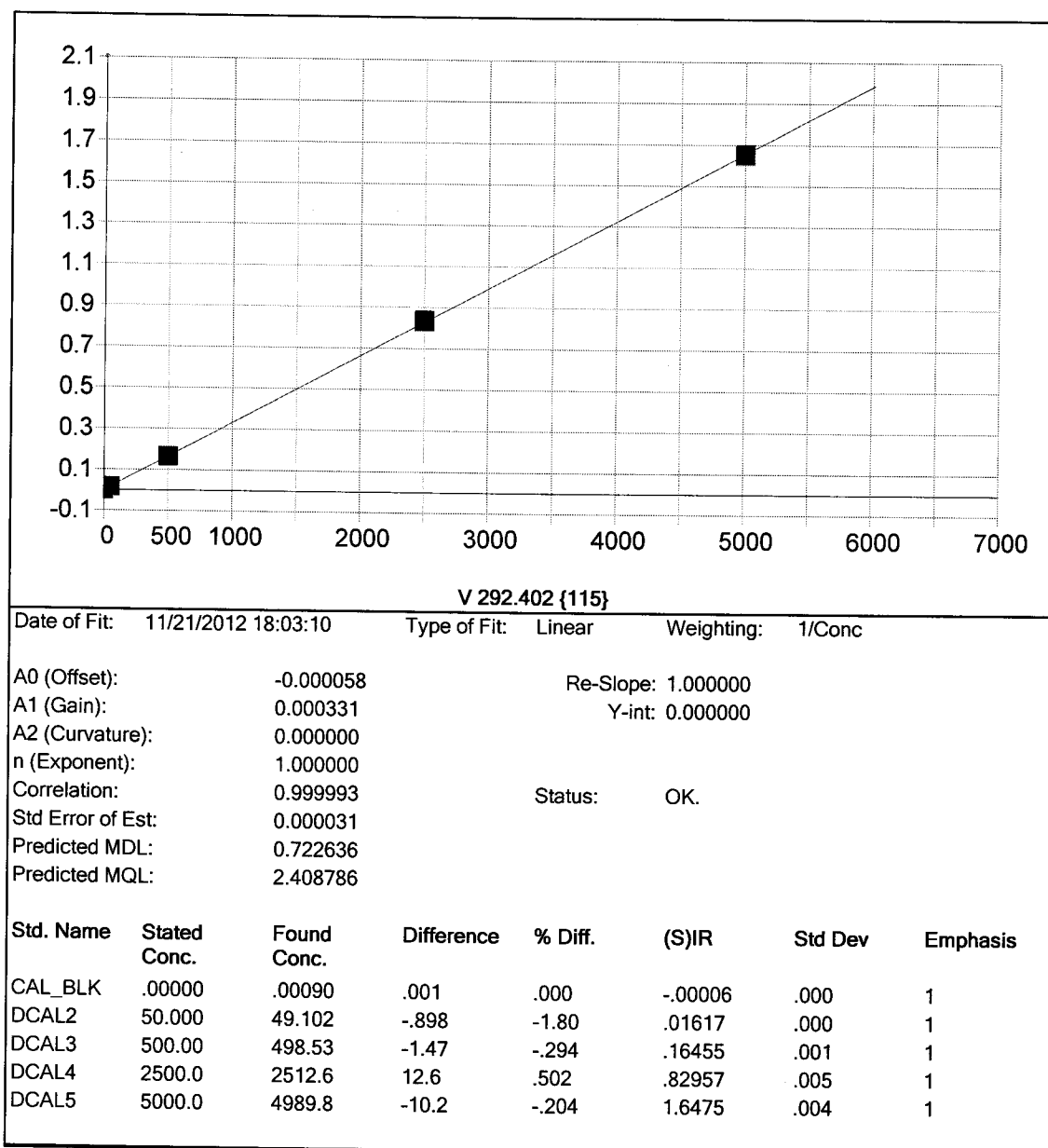
A0 (Offset): 0.000516 Re-Slope: 1.000000
 A1 (Gain): 0.000313 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999907 Status: OK.
 Std Error of Est: 0.000060
 Predicted MDL: 2.124620
 Predicted MQL: 7.082068

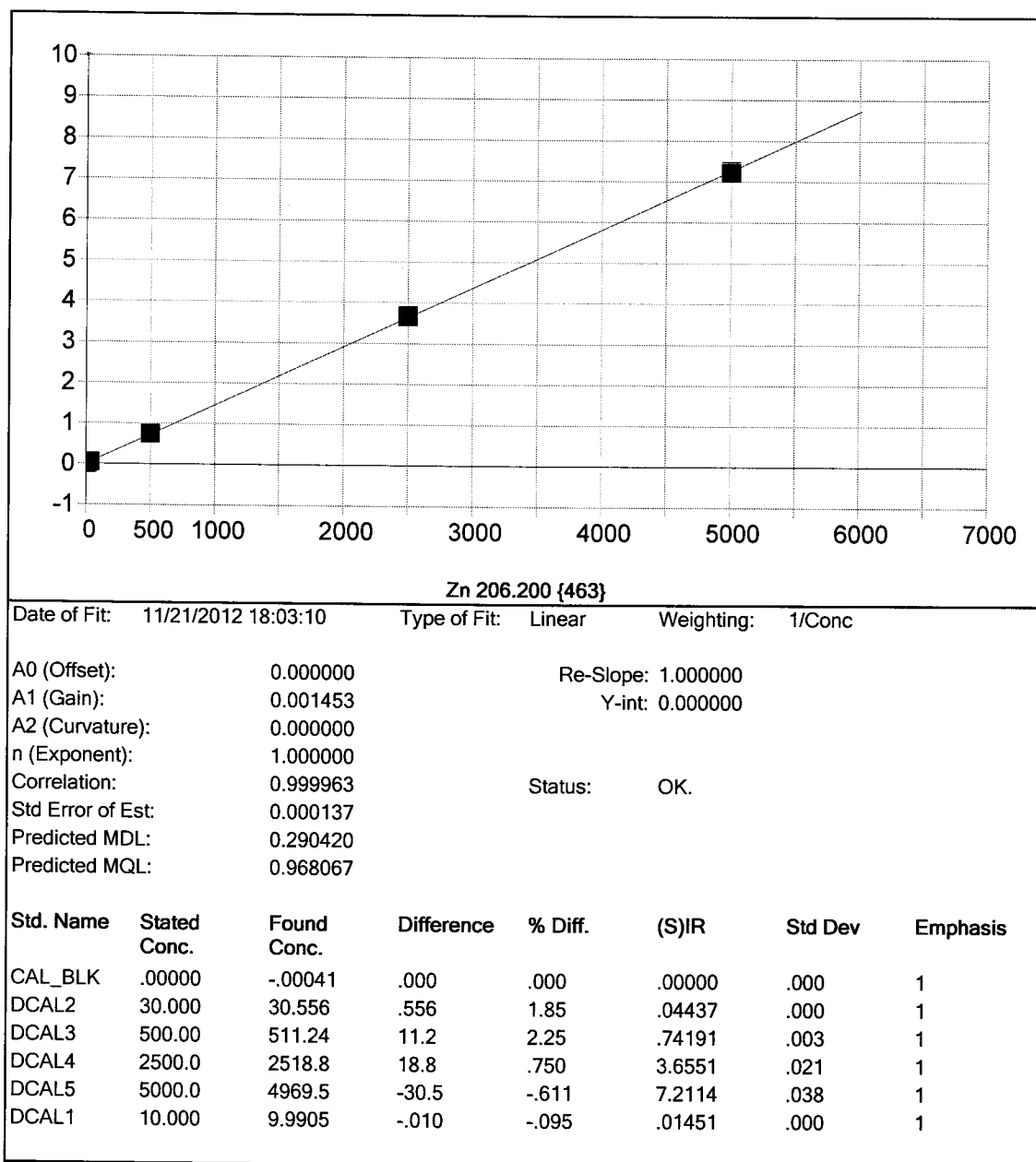
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00097	-.001	.000	.00052	.000	1
DCAL2	5.0000	5.7632	.763	15.3	.00232	.001	1
DCAL3	1500.0	1562.5	62.5	4.17	.48909	.002	1
DCAL4	7500.0	7567.5	67.5	.900	2.3667	.012	1
DCAL5	15000.	14869.	-131.	-.872	4.6497	.020	1

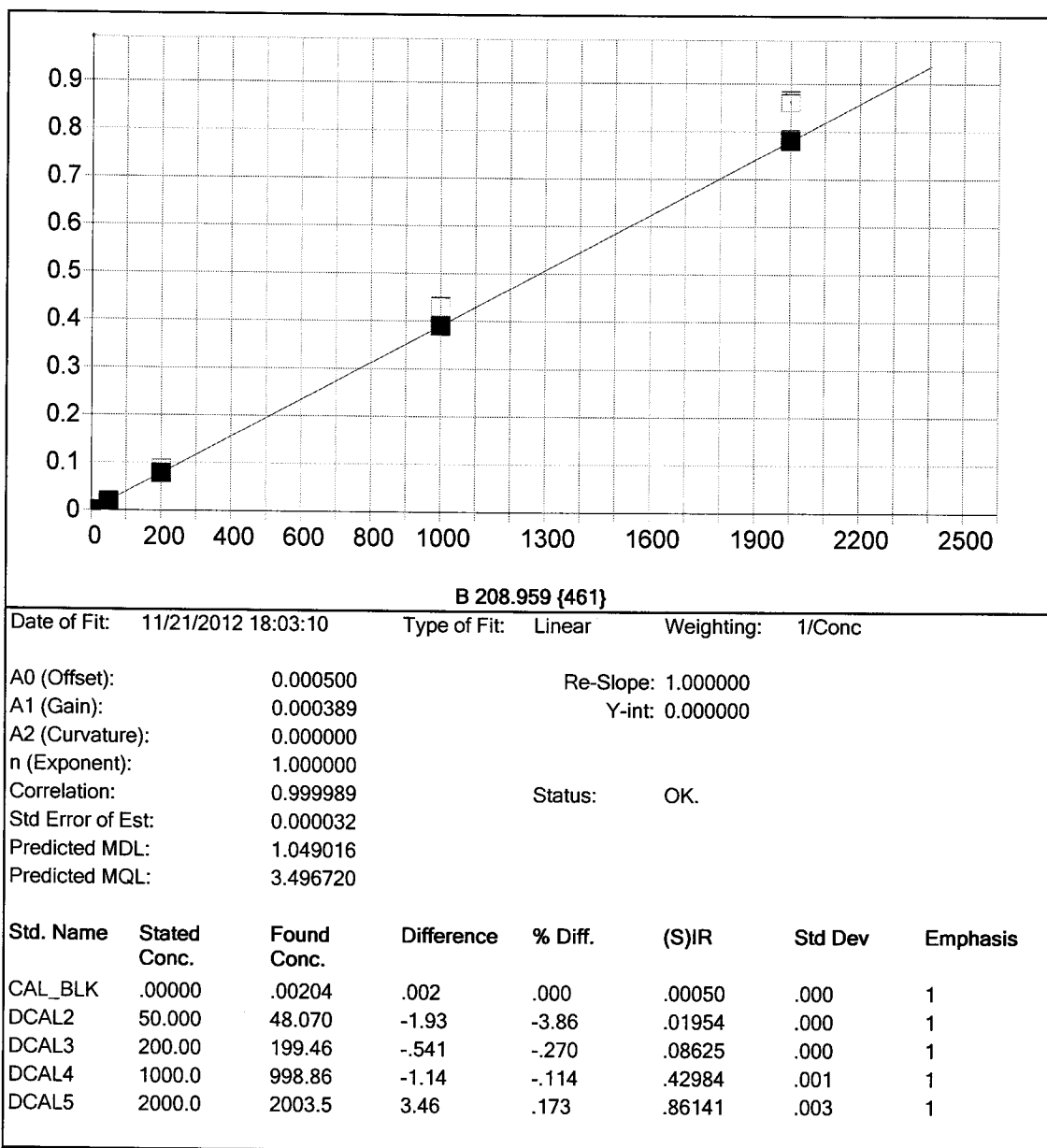


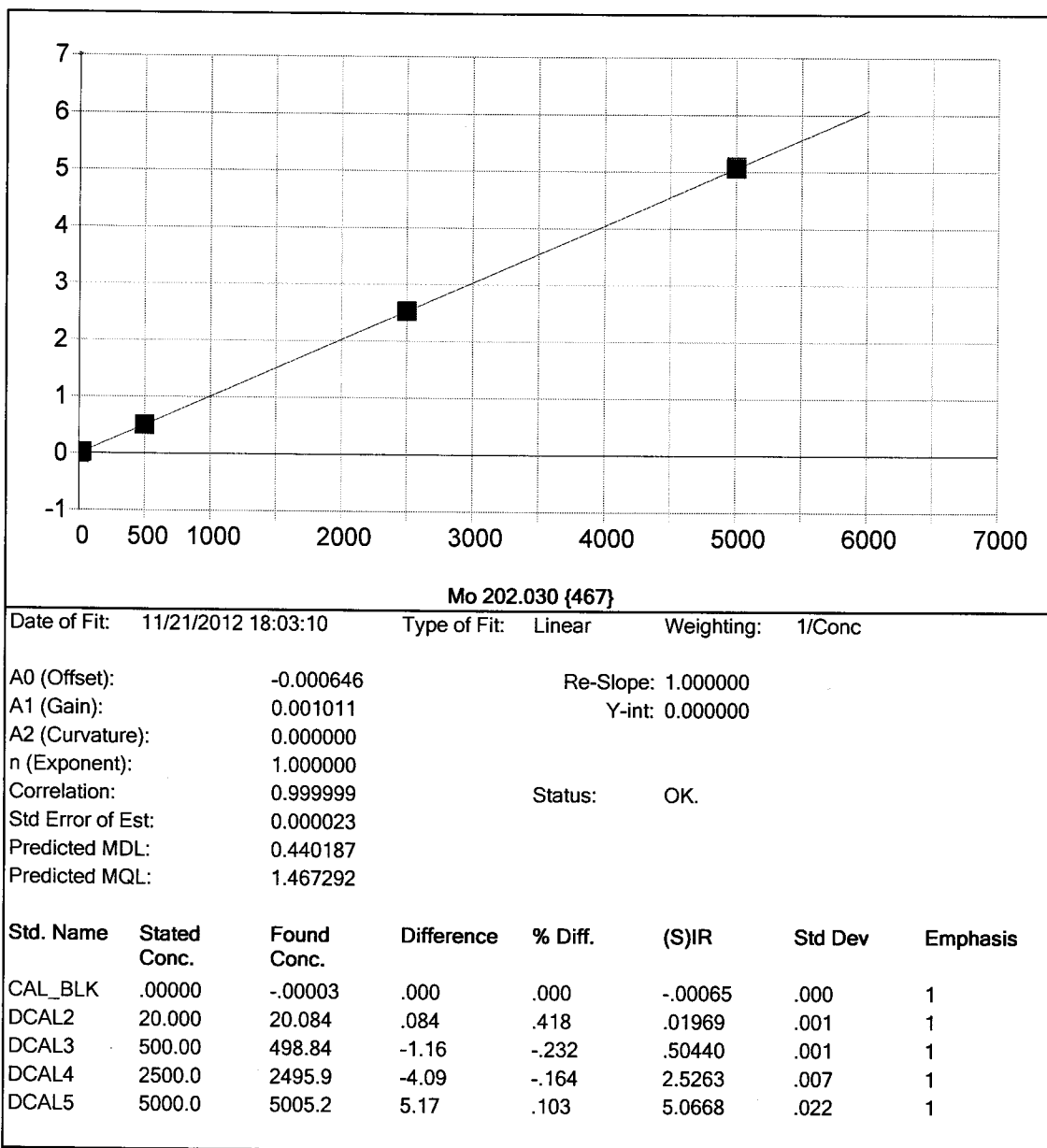


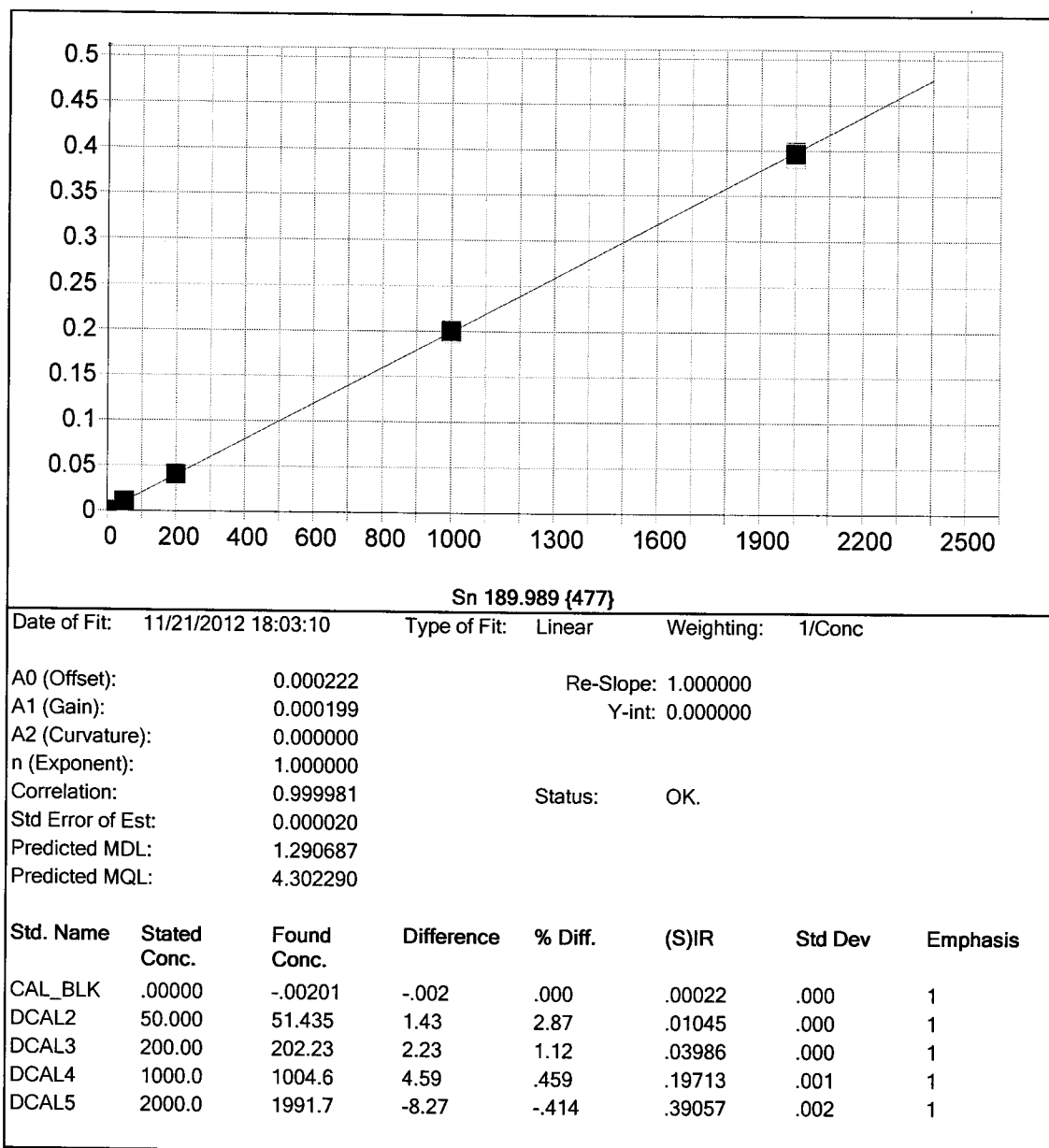


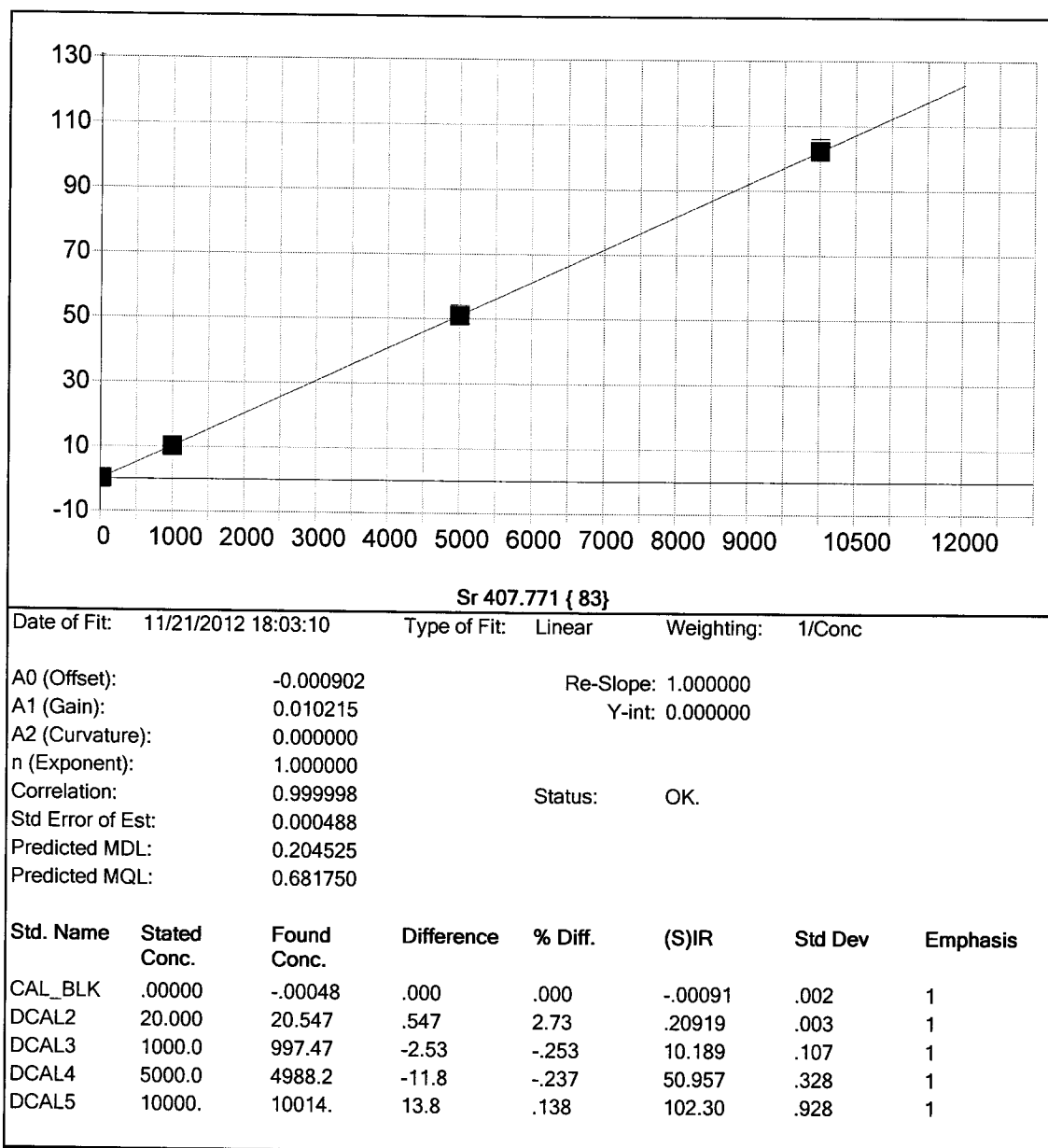


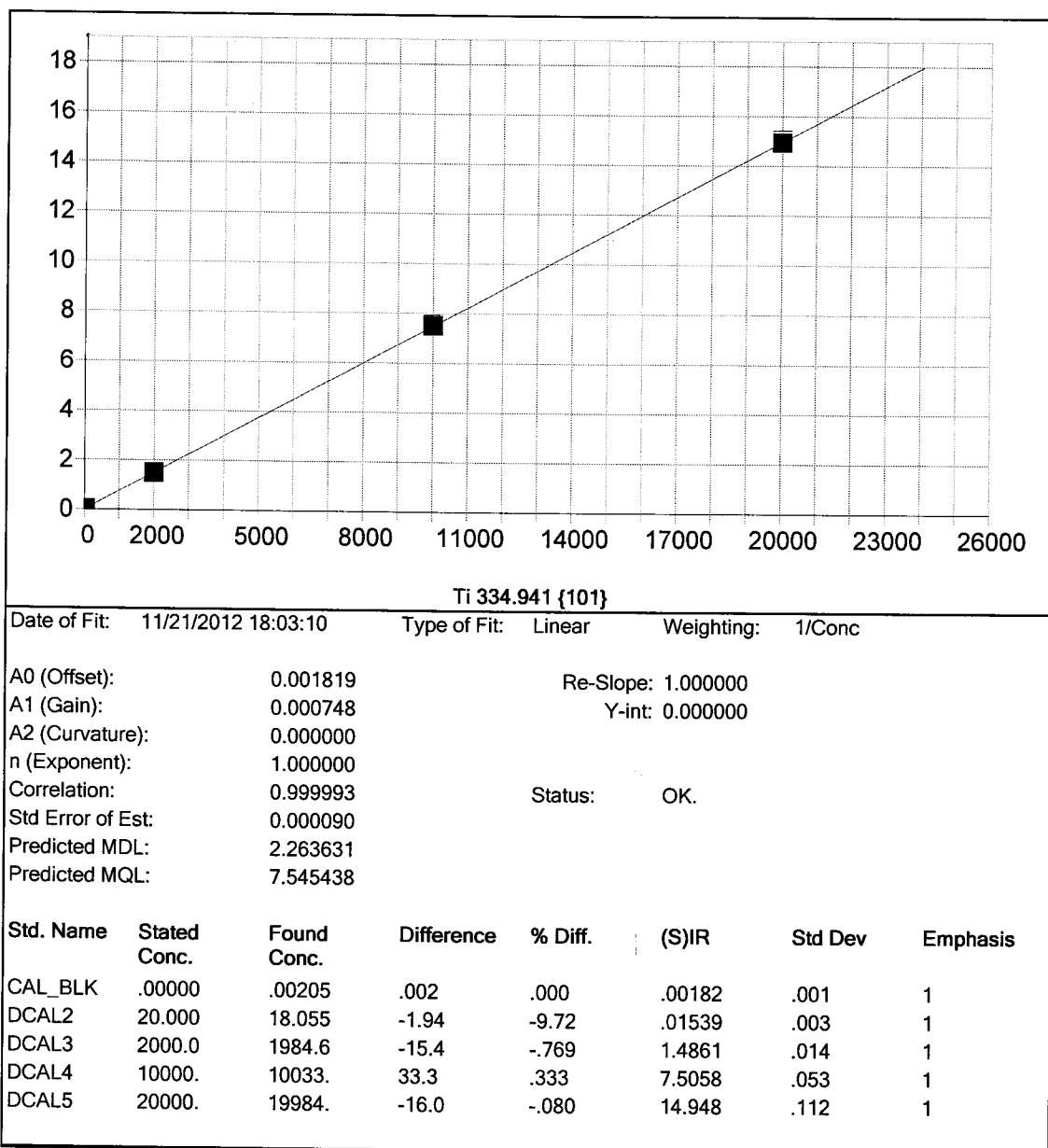


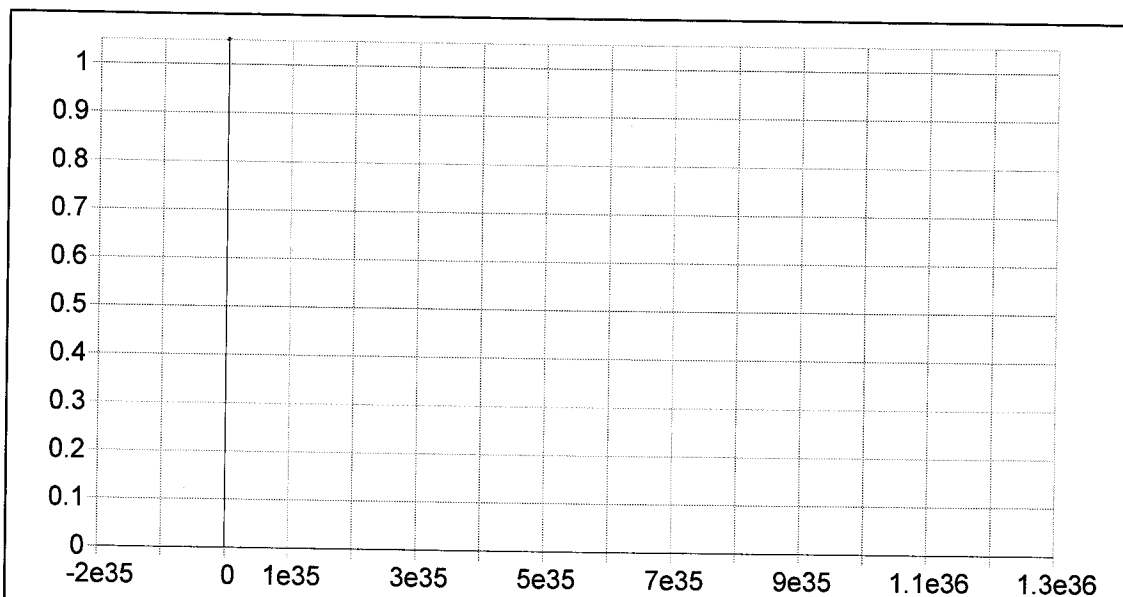










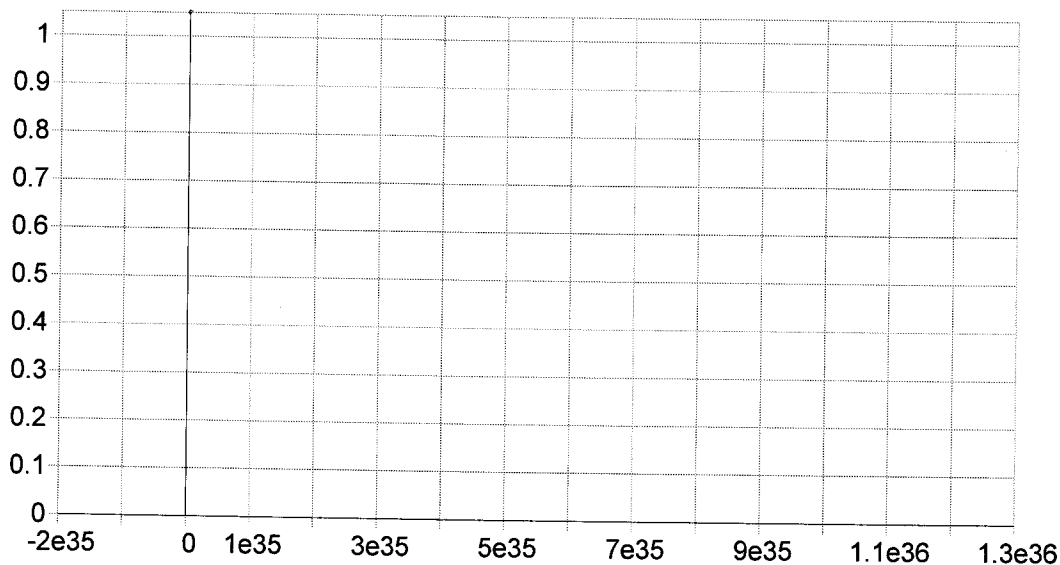


Y 224.306 {450}*

Date of Fit: 11/20/2012 17:43:38 Type of Fit: Linear Weighting: 1/Conc

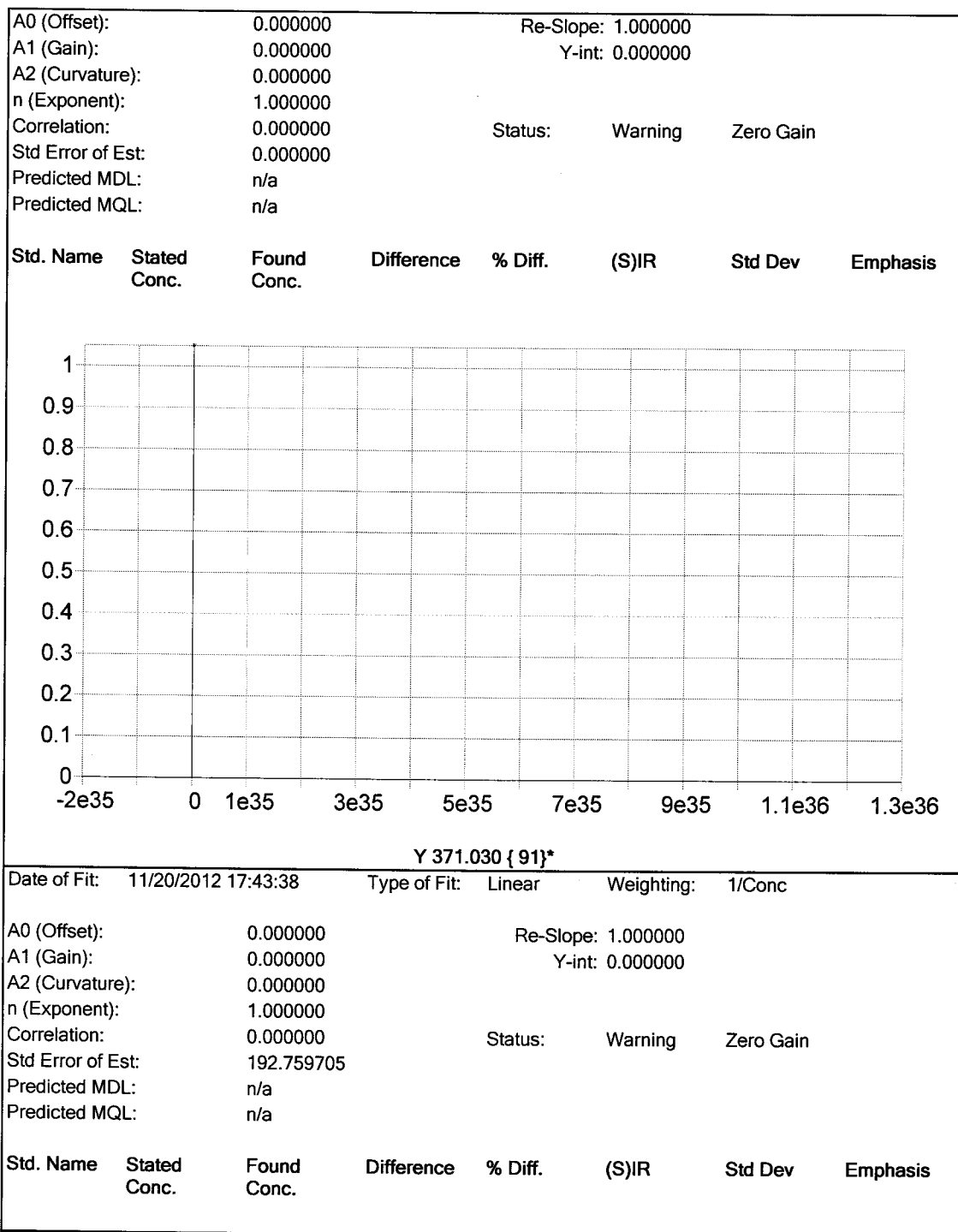
A0 (Offset):	0.000000	Re-Slope: 1.000000
A1 (Gain):	0.000000	Y-int: 0.000000
A2 (Curvature):	0.000000	
n (Exponent):	1.000000	
Correlation:	0.000000	Status: Warning Zero Gain
Std Error of Est:	183.492520	
Predicted MDL:	n/a	
Predicted MQL:	n/a	

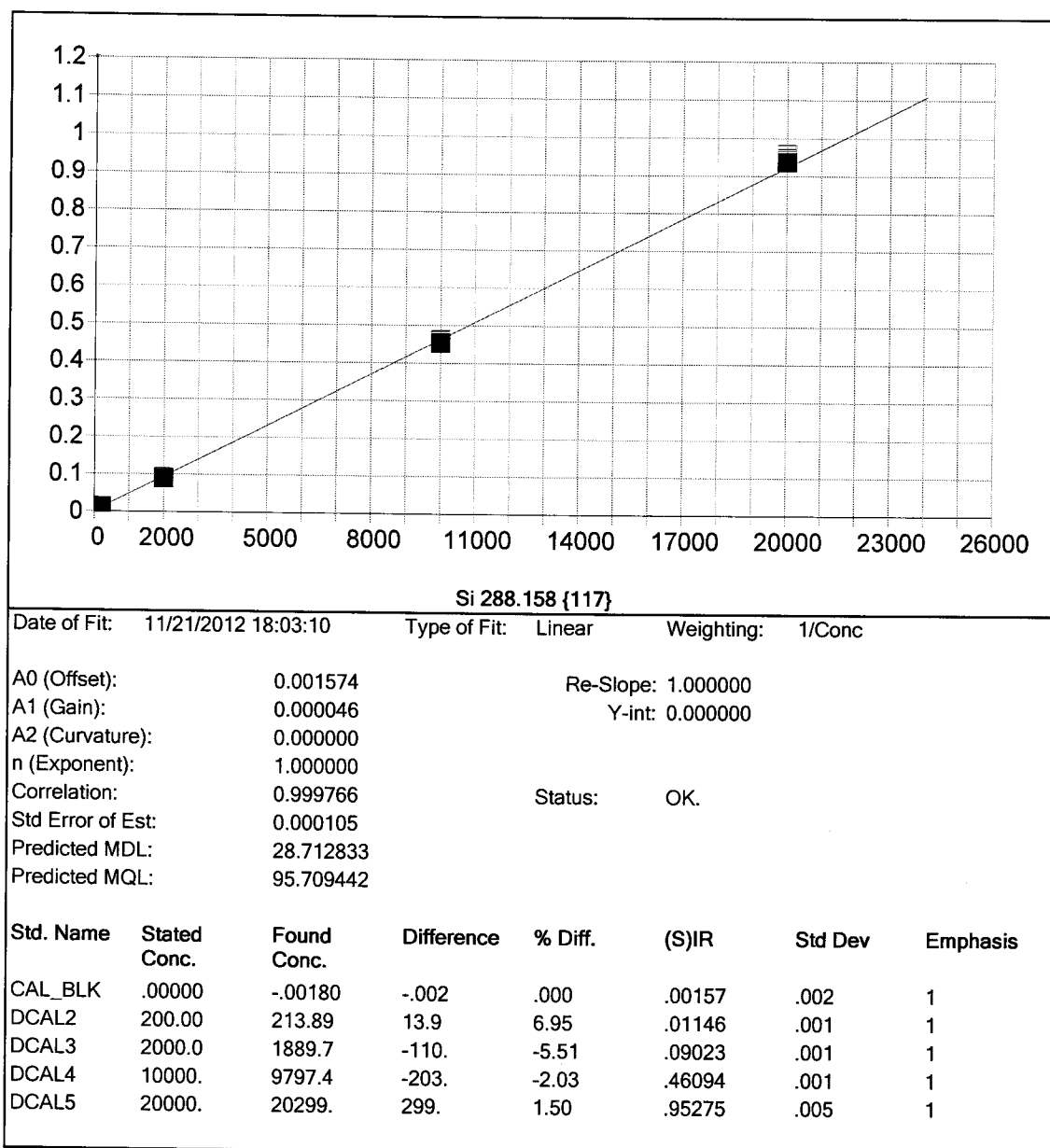
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 360.073 { 94}*

Date of Fit: 11/20/2012 17:43:38 Type of Fit: Linear Weighting: 1/Conc





Sample Name: CAL_BLK Acquired: 11/21/2012 17:41:44 Type: Cal
Method: SW_110712(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0015	.0000	-.0006	.0002	.0005	-.0181
Stddev	.0014	.0002	.0002	.0007	.0019	.0018
%RSD	96.65	1262.	31.87	301.9	360.4	9.841

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	-.0002	-.0001	.0025	.0000	-.0326
Stddev	.0005	.0003	.0001	.0001	.0001	.0022
%RSD	90.65	142.1	38.35	5.101	131.9	6.791

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0001	.0001	-.0136	.0004	.0005	.0001
Stddev	.0000	.0001	.0040	.0006	.0003	.0002
%RSD	28.05	66.34	29.27	160.4	48.46	197.8

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0003	-.0007	-.0001	.0000	.0005	-.0006
Stddev	.0006	.0002	.0002	.001	.0002	.0002
%RSD	207.7	28.51	285.6	91990.	38.17	34.17

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	-.0009	.0018	.0016
Stddev	.0001	.0016	.0012	.0016
%RSD	34.41	177.5	66.62	99.37

Sample Name: CAL_BLK Acquired: 11/21/2012 17:41:44 Type: Cal
Method: SW_110712(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1404.9	15927.	1495.7
Stddev	4.5	72.	5.3
%RSD	.32204	.44939	.35748

Sample Name: DCAL1 Acquired: 11/21/2012 17:45:31 Type: Cal
 Method: SW_110712(v5) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Cu3247	Fe2714	Ni2316	Zn2062
Line	324.754 {104}	271.441 {124}	231.604 {446}	206.200 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0070	.0011	.0106	.0145
Stddev	.0002	.0002	.0003	.0003
%RSD	2.827	13.75	3.136	2.405

Int. Std.	Y_2243	Y_3600
Line	224.306 {450}	360.073 { 94}
Units	Cts/S	Cts/S
Avg	1441.5	16268.
Stddev	7.4	75.
%RSD	.51219	.46017

Sample Name: DCAL2 Acquired: 11/21/2012 17:49:16 Type: Cal
Method: SW_110712(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0124	.0003	.0031	.5715	.0147	.5443
Stddev	.0010	.0002	.0001	.0021	.0019	.0038
%RSD	7.780	89.98	4.439	.3623	13.21	.6949

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0170	.0618	.0022	.0133	.0016	.2544
Stddev	.0004	.0004	.0000	.0003	.0002	.0010
%RSD	2.225	.5755	1.571	2.558	10.48	.3892

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1327	.0269	1.083	.0396	.0023	.0014
Stddev	.0002	.0003	.004	.0002	.0007	.0003
%RSD	.1451	1.058	.3426	.4653	30.78	22.49

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0007	.0013	.0162	.0444	.0195	.0197
Stddev	.0001	.0002	.0002	.0003	.0001	.0006
%RSD	18.59	14.47	1.168	.5994	.7197	3.107

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0104	.2092	.0154	.0115
Stddev	.0002	.0025	.0033	.0010
%RSD	2.337	1.206	21.34	8.757

Sample Name: DCAL2 Acquired: 11/21/2012 17:49:16 Type: Cal
 Method: SW_110712(v5) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1406.8	15921.	1504.5
Stddev	5.1	65.	3.9
%RSD	.36078	.40678	.26092

Sample Name: DCAL3 Acquired: 11/21/2012 17:52:59 Type: Cal
Method: SW_110712(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.733	.0436	.0882	5.722	1.319	2.786
Stddev	.016	.0004	.0005	.018	.016	.034
%RSD	.9421	.9798	.6133	.3161	1.223	1.226

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.041	.6123	.2194	1.096	.2040	.5258
Stddev	.004	.0013	.0007	.005	.0004	.0029
%RSD	.3949	.2087	.3125	.4335	.2146	.5474

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.6496	1.707	5.346	.4891	.4891	.0297
Stddev	.0026	.007	.035	.0011	.0018	.0002
%RSD	.3940	.3854	.6480	.2335	.3609	.7851

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0355	.0737	.1646	.7419	.0862	.5044
Stddev	.0003	.0003	.0007	.0028	.0003	.0007
%RSD	.9764	.3489	.4377	.3814	.3480	.1333

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0399	10.19	1.486	.0902
Stddev	.0003	.11	.014	.0009
%RSD	.7500	1.052	.9586	.9840

Sample Name: DCAL3 Acquired: 11/21/2012 17:52:59 Type: Cal
Method: SW_110712(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1378.7	15592.	1501.1
Stddev	4.3	17.	12.5
%RSD	.31079	.11018	.83349

Sample Name: DCAL4 Acquired: 11/21/2012 17:56:29 Type: Cal
Method: SW_110712(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8.597	.2236	.4526	28.04	6.568	13.77
Stddev	.051	.0009	.0026	.18	.048	.08
%RSD	.5990	.4027	.5638	.6460	.7248	.6069

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.107	2.989	1.091	5.564	1.005	2.740
Stddev	.034	.013	.007	.045	.006	.015
%RSD	.6645	.4450	.6294	.8120	.6157	.5358

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.278	8.481	26.42	2.382	2.367	.1517
Stddev	.022	.068	.14	.008	.012	.0005
%RSD	.6844	.8027	.5132	.3481	.5164	.3572

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1813	.3474	.8296	3.655	.4298	2.526
Stddev	.0005	.0015	.0053	.021	.0008	.007
%RSD	.2869	.4401	.6389	.5635	.1829	.2692

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1971	50.96	7.506	.4609
Stddev	.0009	.33	.053	.0007
%RSD	.4783	.6445	.7050	.1416

Sample Name: DCAL4 Acquired: 11/21/2012 17:56:29 Type: Cal
Method: SW_110712(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1316.6	14755.	1484.1
Stddev	6.5	99.	8.3
%RSD	.49646	.66832	.55892

Sample Name: DCAL5 Acquired: 11/21/2012 17:59:55 Type: Cal
Method: SW_110712(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	17.21	.4567	.9203	55.47	13.07	27.22
Stddev	.15	.0024	.0016	.21	.14	.23
%RSD	.8817	.5244	.1736	.3823	1.073	.8614

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	10.10	5.914	2.154	11.20	1.972	5.551
Stddev	.05	.023	.006	.02	.006	.039
%RSD	.4669	.3945	.2923	.2126	.3277	.6964

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.544	16.70	52.65	4.705	4.650	.3102
Stddev	.027	.05	.37	.022	.021	.0012
%RSD	.4186	.2867	.7033	.4632	.4401	.3931

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3672	.6774	1.648	7.211	.8614	5.067
Stddev	.0021	.0030	.004	.038	.0028	.022
%RSD	.5611	.4432	.2297	.5321	.3301	.4347

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3906	102.3	14.95	.9528
Stddev	.0022	.9	.11	.0052
%RSD	.5707	.9076	.7522	.5462

Sample Name: DCAL5 Acquired: 11/21/2012 17:59:55 Type: Cal
Method: SW_110712(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1246.5	14124.	1460.7
Stddev	2.3	15.	11.8
%RSD	.18616	.10360	.81020

Sample Name: CCV Acquired: 11/21/2012 18:03:21 Type: QC
 Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125000.	2474.	1235.	10080.	1005.	126100.
Stddev	170.	11.	4.	20.	3.	271.
%RSD	.1358	.4307	.3046	.2019	.2844	.2146

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1255.	2511.	5024.	12460.	100600.	49920.
Stddev	2.	7.	13.	60.	283.	113.
%RSD	.1553	.2869	.2613	.4817	.2816	.2261

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124200.	5023.	125200.	2512.	7551.	989.3
Stddev	326.	19.	72.	9.	14.	4.6
%RSD	.2620	.3846	.0577	.3666	.1882	.4675

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/21/2012 18:03:21 Type: QC
Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2467.	2529.	2505.	2513.	1004.	2508.
Stddev	7.	4.	7.	5.	3.	7.
%RSD	.2786	.1607	.2801	.1844	.2707	.2758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	999.7	4999.	10010.	9825.
Stddev	3.0	11.	13.	102.
%RSD	.3008	.2126	.1343	1.042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1305.1	14700.	1476.0
Stddev	7.7	86.	5.3
%RSD	.58747	.58518	.35894

Sample Name: CCB Acquired: 11/21/2012 18:06:45 Type: QC
Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38.85	-1.210	.8784	.3303	.0908	31.82
Stddev	24.26	2.024	1.032	.2982	.3296	14.61
%RSD	62.43	167.2	117.5	90.30	362.8	45.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0661	.1770	1.420	.9930	8.776	174.7
Stddev	.0723	.2917	1.065	.8856	25.61	82.3
%RSD	109.3	164.8	74.99	89.18	291.8	47.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.07	.4174	78.66	-.1947	-.4928	.3668
Stddev	6.24	.3485	13.03	.3529	.9248	.3823
%RSD	36.58	83.49	16.56	181.3	187.7	104.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/21/2012 18:06:45 Type: QC
 Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.334	2.806	.7114	.2269	4.472	7.789
Stddev	2.596	1.386	.3134	.1300	.947	4.828
%RSD	194.7	49.38	44.05	57.28	21.18	61.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4006	.3112	.8739	-.8471
Stddev	.3792	.6120	3.263	4.407
%RSD	94.65	196.6	373.4	520.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1415.9	16145.	1513.2
Stddev	11.3	42.	9.0
%RSD	.79841	.26144	.59426

Sample Name: icsa 1817744 Acquired: 11/21/2012 18:10:33 Type: QC

Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 508400.	F .2689	F -1.447	F -1.017	F -.1052	F 481500.
Stddev	1870.	1.737	.607	.232	.0630	1491.
%RSD	.3678	646.0	41.95	22.83	59.90	.3097

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	1000.
Range	±1200.	±800.0	±800.0	±800.0	±800.0	±1200.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -1.203	F .1490	F .1322	F -2.412	F 198700.	F 91.07
Stddev	.224	.3101	.4921	.554	439.	43.17
%RSD	18.61	208.1	372.2	22.95	.2209	47.41

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	10000.
Range	±800.0	±800.0	±800.0	±800.0	±1200.	±8000.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 509000.	F -.3022	F 20.09	F -2.161	F 1.573	F -1.940
Stddev	3388.	.1770	44.58	.670	1.586	6.086
%RSD	.6656	58.57	222.0	31.00	100.9	313.8

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	1000.
Range	±1200.	±800.0	±800.0	±800.0	±800.0	±800.0

Sample Name: icsa 1817744 Acquired: 11/21/2012 18:10:33 Type: QC

Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -4.440	F 1.118	F 1.501	F 5.153	F .1508	F -1.627
Stddev	5.655	2.573	.494	.447	1.021	.353
%RSD	127.4	230.3	32.89	8.682	676.9	21.70

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	1000.
Range	±800.0	±800.0	±800.0	±800.0	±800.0	±800.0

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F 2.488	F -.2780	F -1.282	5.184
Stddev	1.406	.1231	3.067	22.16
%RSD	56.51	44.26	239.1	427.4

Check ?	Chk Fail	Chk Fail	Chk Fail	None
Value	1000.	1000.	1000.	
Range	±800.0	±800.0	±800.0	

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1258.9	13821.	1465.7
Stddev	2.9	31.	7.9
%RSD	.23039	.22713	.53654

Sample Name: icsab 1818548 Acquired: 11/21/2012 18:14:26 Type: QC

Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	514600.	96.28	99.50	94.16	95.74	485700.
Stddev	2109.	3.19	.18	.40	1.42	2488.
%RSD	.4097	3.316	.1780	.4292	1.481	.5123

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	93.81	92.88	96.55	98.12	200700.	10350.
Stddev	.40	1.00	.93	.46	1338.	62.
%RSD	.4315	1.073	.9655	.4726	.6667	.6002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	512700.	97.38	10380.	89.68	93.92	101.6
Stddev	3538.	.96	59.	.56	1.95	3.7
%RSD	.6900	.9899	.5642	.6214	2.081	3.606

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: icsab 1818548 Acquired: 11/21/2012 18:14:26 Type: QC

Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	94.30	97.53	98.12	97.50	93.22	93.06
Stddev	5.38	2.01	.78	.27	2.00	.86
%RSD	5.706	2.061	.7985	.2798	2.140	.9208

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	95.53	96.31	98.19	59.96
Stddev	1.35	1.47	2.04	24.53
%RSD	1.414	1.524	2.082	40.92

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1261.9	13898.	1469.1
Stddev	1.8	27.	6.0
%RSD	.14577	.19500	.40869

Sample Name: int-10 1790436 Acquired: 11/21/2012 18:18:10 Type: QC
Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28.18	-6.456	3.375	-1.606	-.5105	51.18
Stddev	54.43	1.939	.777	.227	.4023	40.59
%RSD	193.2	30.04	23.01	14.14	78.79	79.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2536	10020.	9590.	-6.817	-56.94	248.5
Stddev	.1748	70.	24.	.961	12.61	37.2
%RSD	68.93	.6956	.2473	14.10	22.15	14.97

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.79	9624.	167.0	10190.	-3.489	-6.419
Stddev	34.58	23.	25.7	65.	1.408	1.674
%RSD	66.78	.2341	15.36	.6374	40.36	26.08

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: int-10 1790436 Acquired: 11/21/2012 18:18:10 Type: QC

Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.721	-2.459	4522.	-1.785	30.44	4652.
Stddev	4.805	1.822	8.	.307	1.38	43.
%RSD	71.49	74.11	.1845	17.18	4.515	.9284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9885.	9286.	9192.	8560.
Stddev	62.	49.	43.	43.
%RSD	.6246	.5274	.4638	.5056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1417.0	16391.	1544.9
Stddev	9.4	40.	5.2
%RSD	.66030	.24348	.33934

Sample Name: 460-47234-A-5-C@10 Acquired: 11/21/2012 18:21:47 Type: Unk
Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12290.	8.702	.8396	141.7	.4402	113600.	.3326
Stddev	37.	1.051	.6514	.5	.1974	934.	.2466
%RSD	.3040	12.08	77.59	.3299	44.85	.8215	74.16

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.722	73.71	52.73	30010.	2315.	57160.	399.0
Stddev	.298	1.19	.64	155.	73.	357.	1.3
%RSD	3.070	1.609	1.214	.5149	3.159	.6239	.3162

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1871.	31.93	126.5	.1889	-1.312	3.237	44.85
Stddev	8.	.33	3.2	2.925	2.817	1.275	1.05
%RSD	.4027	1.031	2.549	1548.	214.7	39.38	2.331

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-47234-A-5-C@10 Acquired: 11/21/2012 18:21:47 Type: Unk
 Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	219.6	18.96	19.41	9.692	156.7	565.9	702.1
Stddev	.8	1.01	19.55	.482	.6	2.7	34.1
%RSD	.3829	5.330	100.7	4.978	.3957	.4732	4.859

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1373.7	15534.	1532.2
Stddev	2.1	62.	4.1
%RSD	.14957	.39676	.26447

Sample Name: 460-47222-D-1-B DU@2 Acquired: 11/21/2012 18:25:27 Type: Unk
Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.42	1.126	2.115	474.4	-.0699	41350.	-.1727	4.166
Stddev	14.51	1.170	.213	3.0	.1225	246.	.0384	.225
%RSD	74.71	103.8	10.09	.6366	175.3	.5950	22.25	5.393

Check ?	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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1544	-.3042	3390.	1028.	13110.	7110.	4938.	3.228
Stddev	.5605	.3544	42.	69.	65.	50.	32.	.709
%RSD	363.0	116.5	1.228	6.668	.4952	.7095	.6516	21.97

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.059	-1.577	-3.529	-3.086	.2588	4.867	40.64	1.379
Stddev	.860	1.347	6.010	1.279	.3623	.403	.57	.157
%RSD	81.25	85.44	170.3	41.46	140.0	8.274	1.403	11.40

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 460-47222-D-1-B DU@2 Acquired: 11/21/2012 18:25:27 Type: Unk
 Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.579	155.9	1.096	2898.
Stddev	.546	2.1	1.735	10.
%RSD	21.17	1.368	158.3	.3493

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1379.8	15781.	1529.0
Stddev	4.4	61.	13.5
%RSD	.31786	.38432	.88243

Sample Name: 460-47222-D-1-A@2 Acquired: 11/21/2012 18:29:09 Type: Unk
Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5549	-.1670	1.773	473.9	-.1729	41050.	-.1140	4.228
Stddev	23.66	.7325	.217	4.6	.0892	20.	.1507	.274
%RSD	4264.	438.7	12.24	.9809	51.61	.0496	132.2	6.473

Check ?	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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3389	.1466	3413.	1041.	13140.	7087.	4943.	3.680
Stddev	.2155	.5407	14.	24.	24.	15.	13.	.086
%RSD	63.59	368.8	.4197	2.266	.1792	.2107	.2645	2.325

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.794	1.319	2.357	-6.155	.5560	4.570	40.81	.9471
Stddev	2.023	1.228	5.663	1.981	.4851	.127	.93	.1220
%RSD	112.8	93.07	240.2	32.19	87.25	2.774	2.283	12.88

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 460-47222-D-1-A@2 Acquired: 11/21/2012 18:29:09 Type: Unk
 Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.137	155.3	-.9820	2888.
Stddev	.730	1.0	1.935	26.
%RSD	23.26	.6223	197.1	.9109

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1385.1	15817.	1534.2
Stddev	11.5	2.	3.2
%RSD	.82820	.01270	.20953

Sample Name: sd 460-47222-D-1-A@1 Acquired: 11/21/2012 18:32:53 Type: Unk
Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.229	1.289	.4062	91.36	-.1296	8124.	-.0072	.9517	.3849
Stddev	11.44	1.124	.5467	2.48	.2819	142.	.0603	.1590	.5452
%RSD	218.7	87.24	134.6	2.720	217.5	1.751	838.3	16.71	141.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2722	676.0	260.8	2563.	1403.	1015.	.5051	.3660	2.175
Stddev	.4652	20.9	47.8	62.	28.	40.	.7739	1.709	2.879
%RSD	170.9	3.089	18.32	2.406	1.990	3.933	153.2	467.0	132.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.292	.6891	.0028	1.651	9.446	.9925	4.163	30.52	-2.300
Stddev	2.778	1.716	.7130	.101	.388	.2214	.990	.54	1.937
%RSD	215.1	249.1	25650.	6.133	4.106	22.30	23.77	1.768	84.23

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: sd 460-47222-D-1-A@1 Acquired: 11/21/2012 18:32:53 Type: Unk
Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Si2881
IS Ref (Y_2243)
Units ppb
Avg 555.2
Stddev 41.3
%RSD 7.441

Check ? Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1394.6	16068.	1533.8
Stddev	3.9	49.	6.9
%RSD	.27717	.30712	.45189

Sample Name: 460-47222-D-1-C MS@2 Acquired: 11/21/2012 18:36:35 Type: Unk
Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1058.	966.4	26.68	1492.	25.19	51460.	25.34	257.6
Stddev	12.	6.7	.97	3.	.22	168.	.18	.9
%RSD	1.180	.6887	3.619	.1861	.8627	.3270	.6924	.3383

Check ?	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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	101.8	124.8	3907.	11160.	22950.	7336.	15250.	261.4
Stddev	.4	1.2	32.	102.	93.	34.	45.	1.8
%RSD	.3688	.9925	.8100	.9165	.4040	.4678	.2923	.6885

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	263.1	247.1	948.4	1075.	249.9	251.1	284.9	250.6
Stddev	1.2	2.3	3.2	2.	1.3	.6	1.8	.9
%RSD	.4400	.9330	.3424	.1935	.5297	.2414	.6376	.3683

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 460-47222-D-1-C MS@2 Acquired: 11/21/2012 18:36:35 Type: Unk
 Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	262.6	400.5	252.0	2922.
Stddev	1.6	1.3	1.5	22.
%RSD	.5994	.3236	.5873	.7602

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1369.1	15603.	1520.1
Stddev	5.4	41.	4.9
%RSD	.39431	.26247	.32156

Sample Name: pds 460-47222-D-1-A@ Acquired: 11/21/2012 18:40:10 Type: Unk
Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2019.	1861.	45.95	2417.	48.46	60070.	48.81	489.8
Stddev	20.	5.	1.42	9.	.32	420.	.26	1.2
%RSD	.9711	.2626	3.091	.3710	.6580	.6998	.5318	.2415

Check ?	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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	197.4	236.4	4300.	20330.	31670.	7358.	24570.	496.2
Stddev	.4	.8	16.	36.	104.	18.	125.	.5
%RSD	.2232	.3387	.3770	.1753	.3269	.2416	.5070	.1091

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	498.6	465.4	1839.	2050.	482.6	481.2	510.5	480.6
Stddev	3.6	3.4	5.	11.	.5	1.9	.9	1.8
%RSD	.7195	.7292	.2840	.5160	.1056	.3877	.1706	.3644

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: pds 460-47222-D-1-A@ Acquired: 11/21/2012 18:40:10 Type: Unk
 Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	498.1	619.5	480.4	2941.
Stddev	2.2	3.0	1.9	62.
%RSD	.4368	.4763	.4029	2.097

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1363.6	15485.	1517.7
Stddev	5.6	72.	8.9
%RSD	.41060	.46606	.58339

Sample Name: CCV Acquired: 11/21/2012 18:43:43 Type: QC
Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124100.	2462.	1232.	10050.	985.2	123800.
Stddev	173.	8.	6.	23.	2.1	211.
%RSD	.1389	.3383	.4871	.2243	.2119	.1700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1254.	2502.	5031.	12340.	100800.	49100.
Stddev	3.	7.	31.	57.	614.	68.
%RSD	.2339	.2783	.6132	.4589	.6097	.1391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124500.	4995.	124100.	2507.	7531.	984.4
Stddev	735.	21.	225.	6.	16.	3.9
%RSD	.5901	.4155	.1816	.2425	.2184	.3982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/21/2012 18:43:43 Type: QC
 Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2474.	2512.	2509.	2503.	994.6	2488.
Stddev	8.	11.	14.	5.	.8	6.
%RSD	.3139	.4473	.5445	.2034	.0847	.2498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	994.8	4908.	9921.	9907.
Stddev	4.3	7.	1.	10.
%RSD	.4273	.1372	.0119	.0995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1318.2	14809.	1511.4
Stddev	1.1	71.	6.2
%RSD	.08557	.48109	.41243

Sample Name: CCB Acquired: 11/21/2012 18:47:07 Type: QC
Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.966	-.7128	.8708	.4770	.0655	6.192
Stddev	47.13	2.253	.4031	.2557	.1877	35.84
%RSD	676.5	316.0	46.29	53.61	286.7	578.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1352	.0229	.6898	-.1259	11.58	112.2
Stddev	.0762	.1248	.3449	.6881	15.86	27.9
%RSD	56.36	546.0	50.00	546.6	137.0	24.82

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.20	.4818	65.99	-.2447	1.956	.5001
Stddev	6.10	.3647	26.66	.4686	1.073	1.871
%RSD	42.98	75.70	40.41	191.5	54.88	374.1

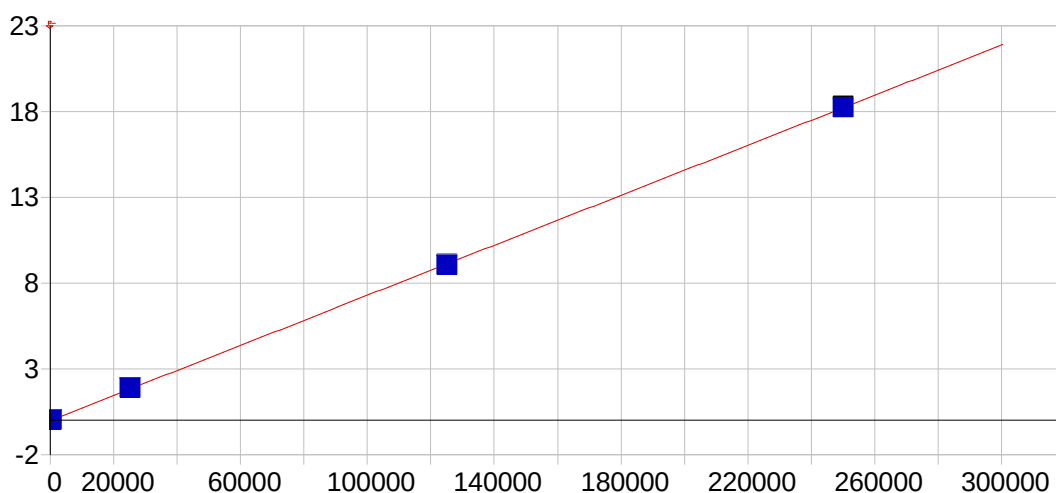
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/21/2012 18:47:07 Type: QC
Method: SW_110712(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0879	3.401	.5796	.0916	2.787	5.661
Stddev	2.161	2.025	.4313	.1502	.425	4.252
%RSD	2458.	59.53	74.42	164.0	15.24	75.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9830	.3064	-1.028	-5.026
Stddev	1.368	.5446	.648	25.46
%RSD	139.2	177.7	63.01	506.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1403.8	16092.	1519.6
Stddev	3.5	72.	3.9
%RSD	.24668	.44742	.25867

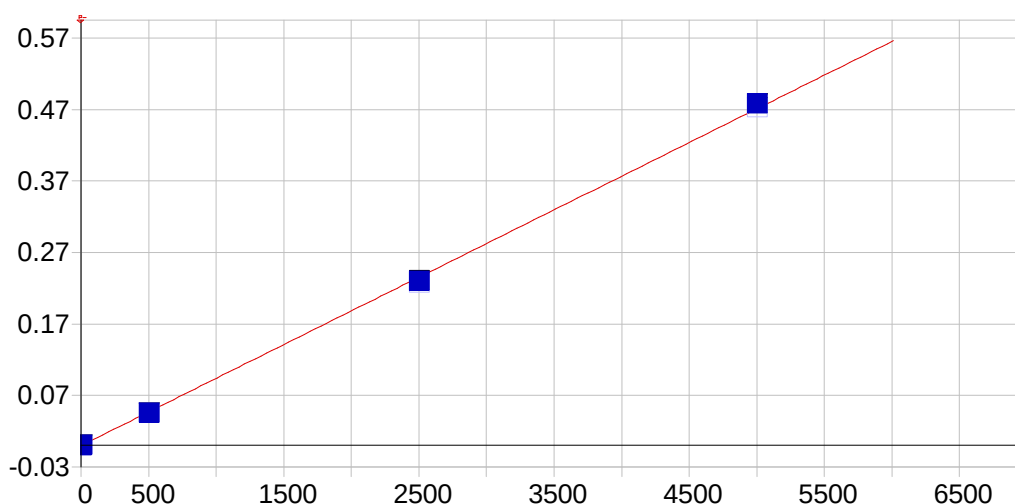


AI 396.152 { 85}

Date of Fit: 11/27/2012 15:28:13 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000630 Re-Slope: 1.000000
 A1 (Gain): 0.000073 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999959 Status: OK.
 Std Error of Est: 0.000240
 Predicted MDL: 26.624985
 Predicted MQL: 88.749952

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.04010	-.040	.000	.00063	.001	1
DCAL2	200.00	235.29	35.3	17.6	.01775	.001	1
DCAL3	25000.	25749.	749.	3.00	1.8791	.006	1
DCAL4	125000.	124310.	-691.	-.552	9.0695	.004	1
DCAL5	250000.	249910.	-93.5	-.037	18.232	.062	1



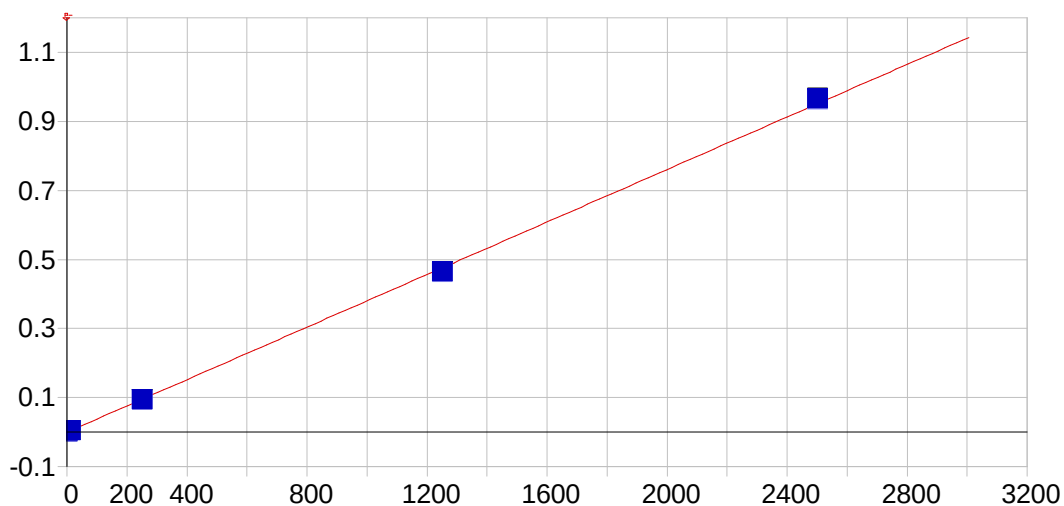
As 189.042 (478)

Date of Fit: 11/27/2012 15:28:13 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000192 Re-Slope: 1.000000
 A1 (Gain): 0.000094 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999595 Status: OK.
 Std Error of Est: 0.000022

Predicted MDL: 3.084088
 Predicted MQL: 10.280293

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00396	-.004	.000	-.00019	.000	1
DCAL2	5.0000	9.1726	4.17	83.5	.00066	.000	1
DCAL3	500.00	483.37	-16.6	-3.33	.04483	.000	1
DCAL4	2500.0	2442.4	-57.6	-2.30	.22732	.001	1
DCAL5	5000.0	5070.1	70.1	1.40	.47229	.000	1

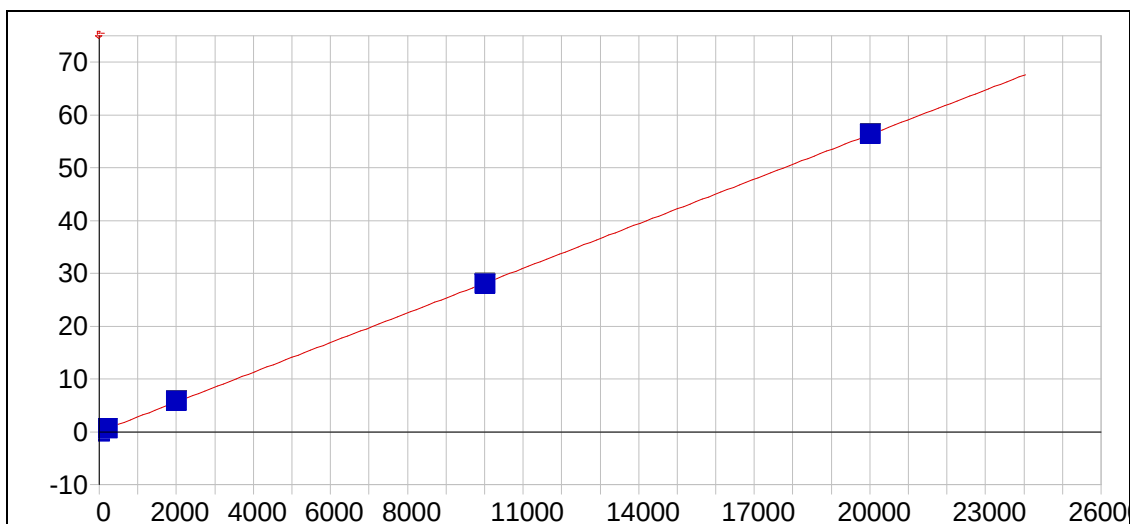


Ag 328.068 {103}

Date of Fit: 11/27/2012 15:28:13 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000413 Re-Slope: 1.000000
 A1 (Gain): 0.000381 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999835 Status: OK.
 Std Error of Est: 0.000056
 Predicted MDL: 1.018044
 Predicted MQL: 3.393481

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00022	.000	.000	-.00041	.000	1
DCAL2	10.000	10.086	.086	.856	.00340	.000	1
DCAL3	250.00	244.94	-5.06	-2.02	.09253	.000	1
DCAL4	1250.0	1219.9	-30.1	-2.40	.46251	.001	1
DCAL5	2500.0	2535.0	35.0	1.40	.96165	.002	1

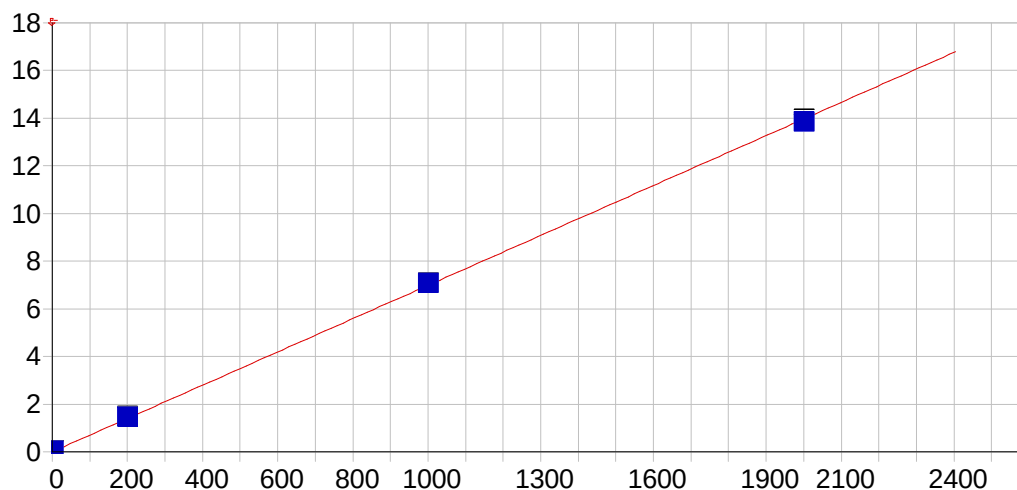


Ba 233.527 {445}

Date of Fit: 11/27/2012 15:28:13 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000202 Re-Slope: 1.000000
 A1 (Gain): 0.002814 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999965 Status: OK.
 Std Error of Est: 0.002432
 Predicted MDL: 0.197068
 Predicted MQL: 0.656893

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.01139	-.011	.000	.00017	.000	1
DCAL2	200.00	207.62	7.62	3.81	.58432	.002	1
DCAL3	2000.0	2051.4	51.4	2.57	5.7673	.011	1
DCAL4	10000.	9921.9	-78.1	-.781	27.892	.114	1
DCAL5	20000.	20019.	19.1	.095	56.278	.097	1



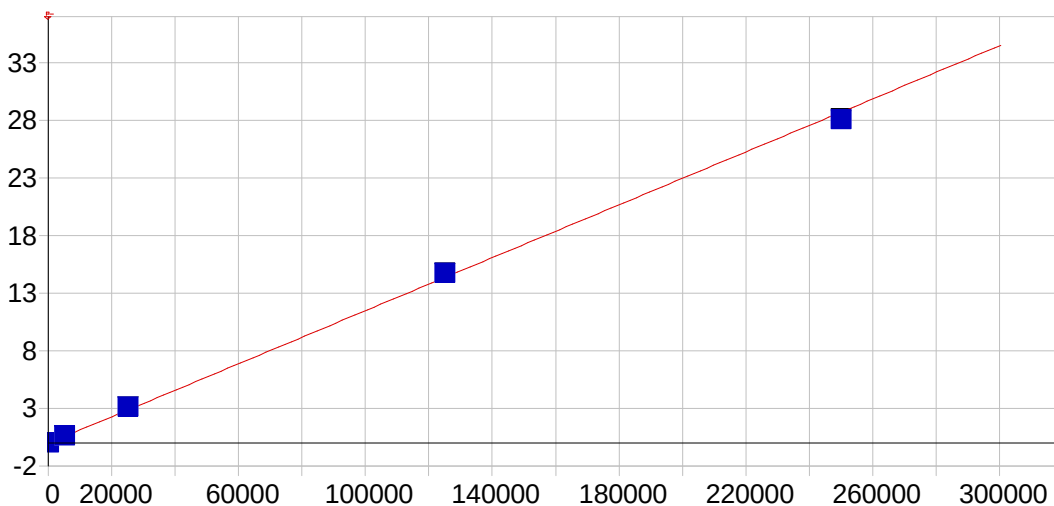
Be 313.042 {108}

Date of Fit: 11/27/2012 15:28:13 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002201 Re-Slope: 1.000000
 A1 (Gain): 0.006983 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999892 Status: OK.
 Std Error of Est: 0.000335
 Predicted MDL: 0.222764

Predicted MQL: 0.742546

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00013	.000	.000	.00220	.001	1
DCAL2	2.0000	1.7836	-.216	-10.8	.01469	.000	1
DCAL3	200.00	208.82	8.82	4.41	1.4609	.007	1
DCAL4	1000.0	1010.1	10.1	1.01	7.0586	.013	1
DCAL5	2000.0	1981.3	-18.7	-.937	13.843	.112	1

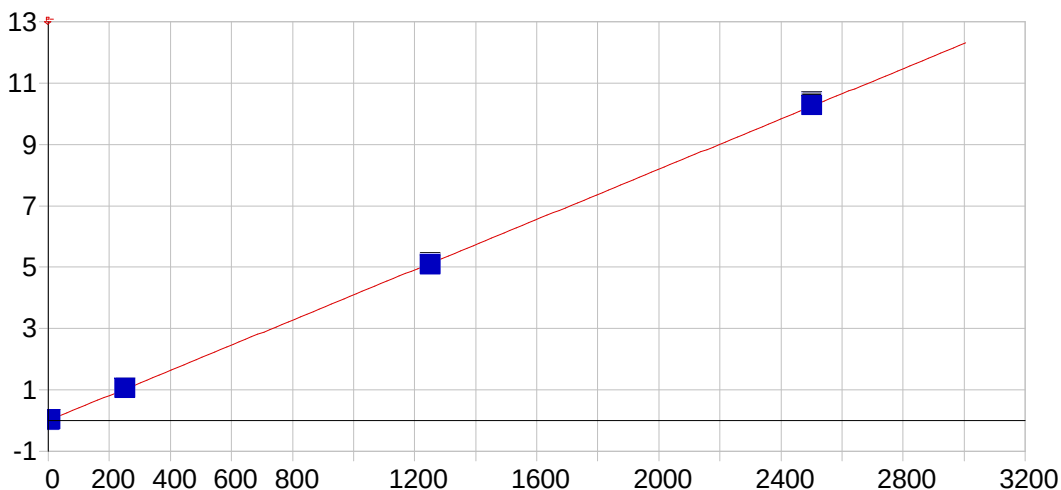


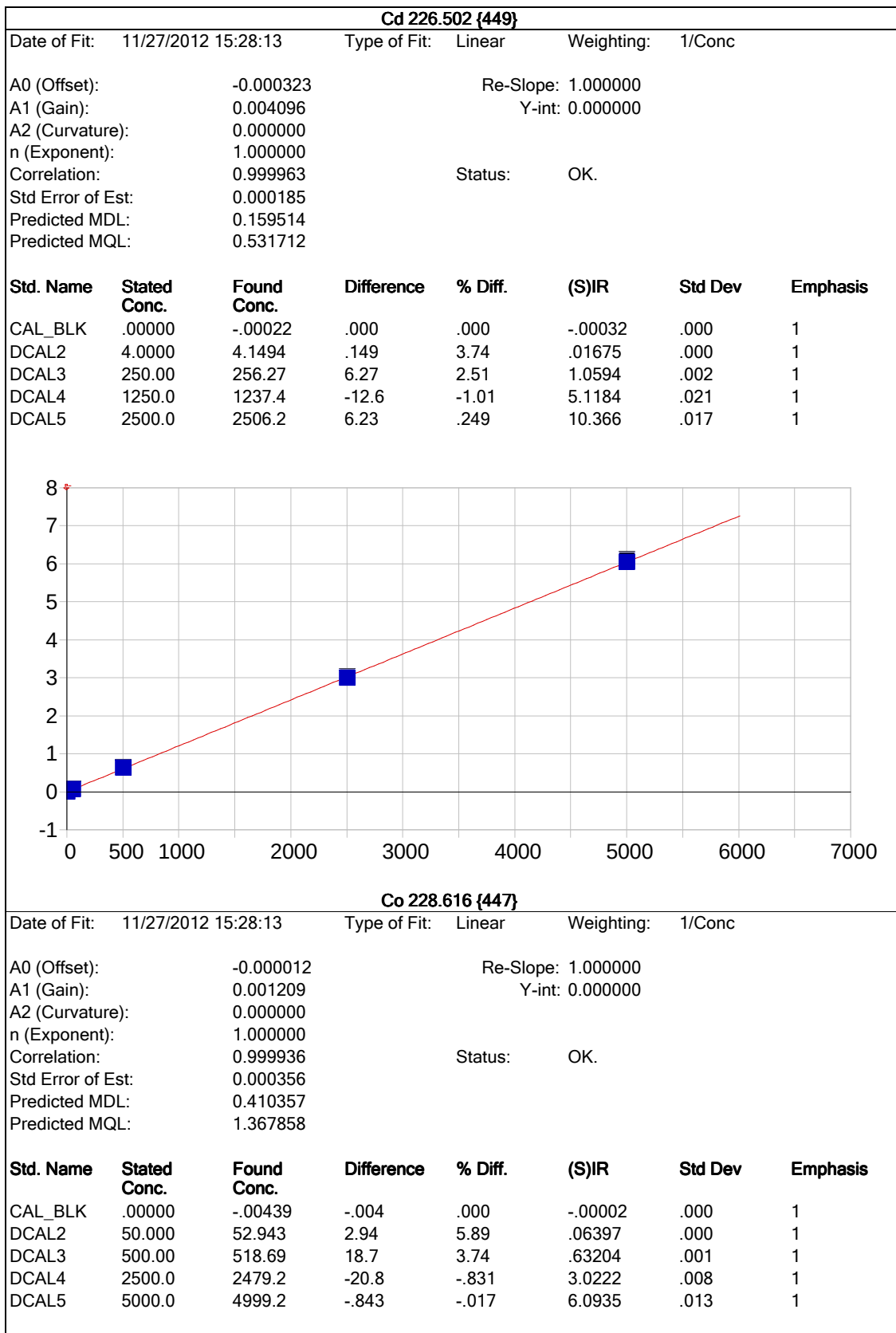
Ca 422.673 { 80}

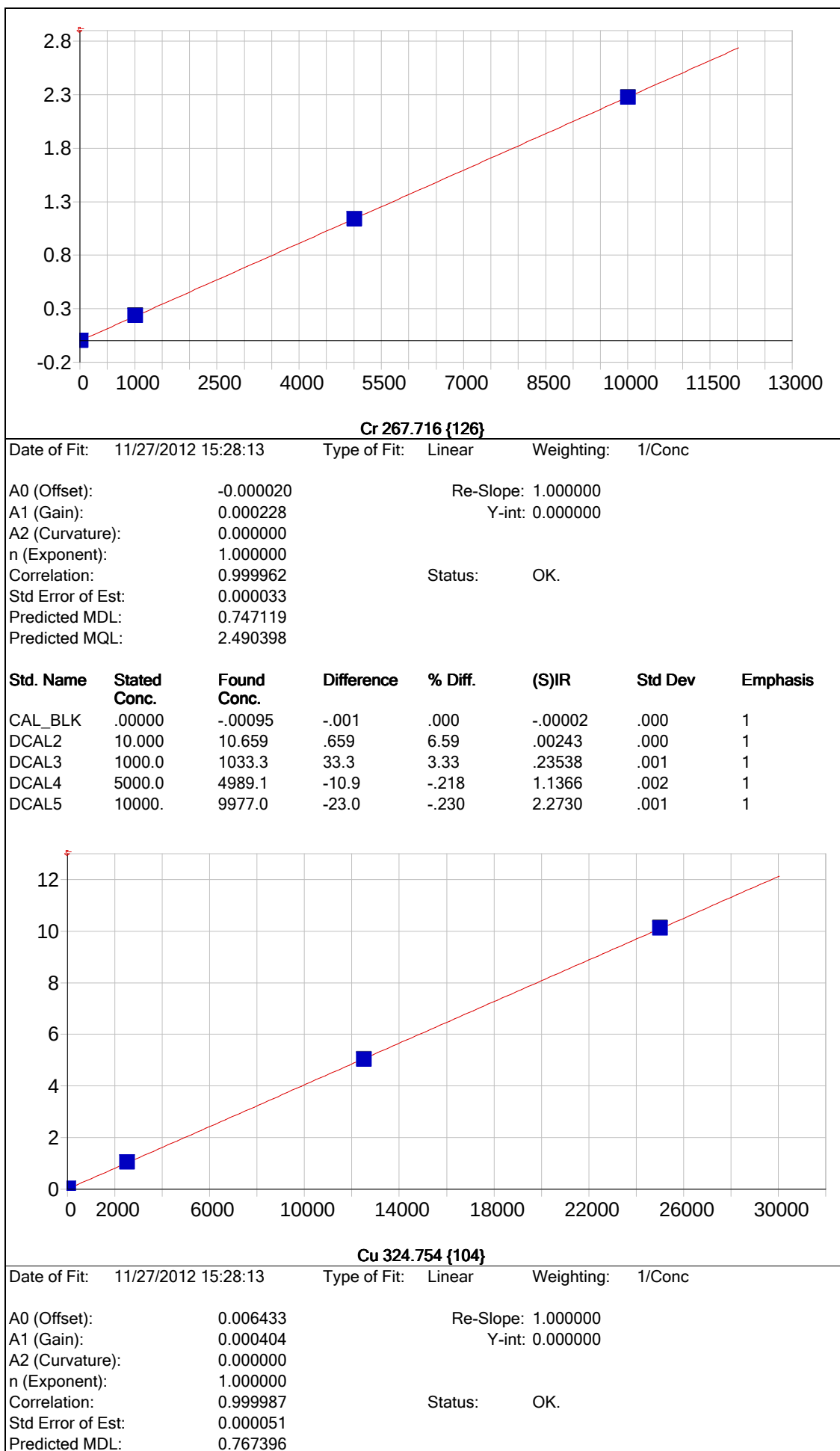
Date of Fit: 11/27/2012 15:28:13 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.016212 Re-Slope: 1.000000
 A1 (Gain): 0.000115 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999449 Status: OK.
 Std Error of Est: 0.007007
 Predicted MDL: 20.477359
 Predicted MQL: 68.257862

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.89384	-.894	.000	-.01632	.002	1
DCAL2	5000.0	5443.5	443.	8.87	.60941	.005	1
DCAL3	25000.	27202.	2200.	8.81	3.1101	.006	1
DCAL4	125000.	128150.	3150.	2.52	14.712	.038	1
DCAL5	250000.	244210.	-5790.	-2.32	28.051	.081	1

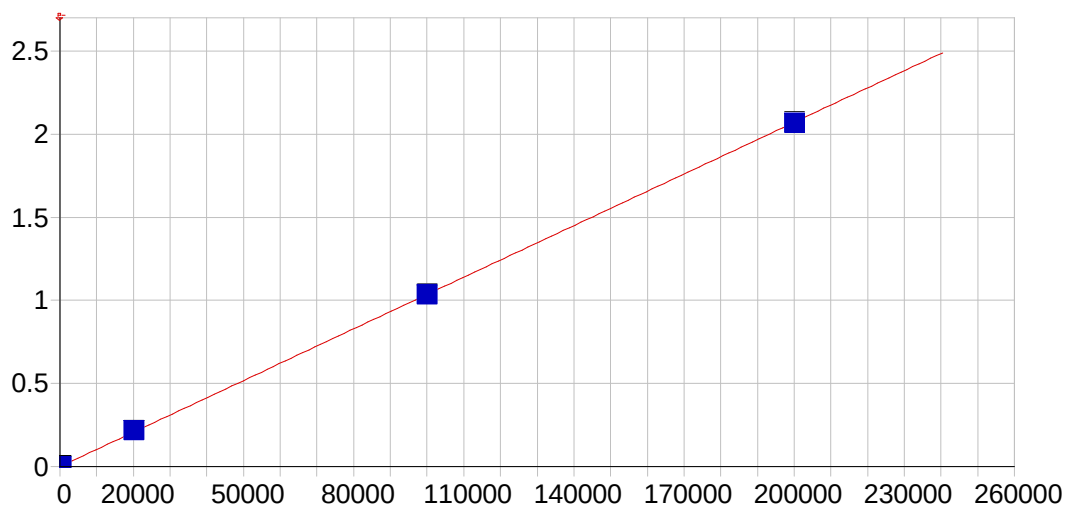






Predicted MQL: 2.557988

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00085	-.001	.000	.00643	.000	1
DCAL1	10.000	10.576	.576	5.76	.01070	.000	1
DCAL2	25.000	25.419	.419	1.67	.01667	.000	1
DCAL3	2500.0	2538.2	38.2	1.53	1.0296	.001	1
DCAL4	12500.	12430.	-70.2	-.562	5.0170	.013	1
DCAL5	25000.	25031.	31.1	.124	10.097	.011	1



Date of Fit: 11/27/2012 15:28:13

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000143

Re-Slope: 1.000000

A1 (Gain): 0.000010

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999946

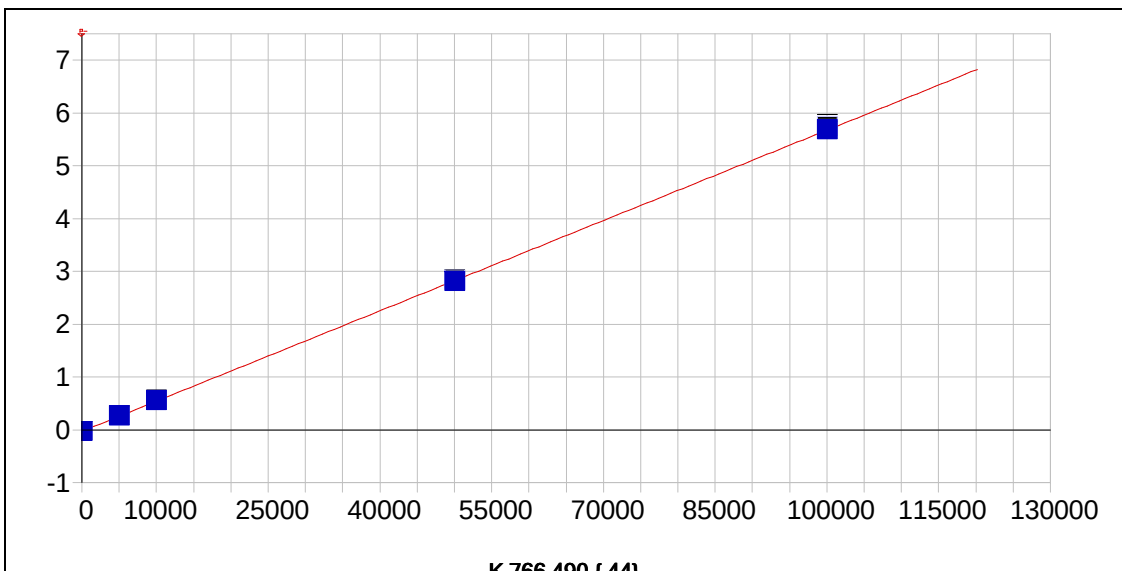
Status: OK.

Std Error of Est: 0.000024

Predicted MDL: 17.579931

Predicted MQL: 58.599771

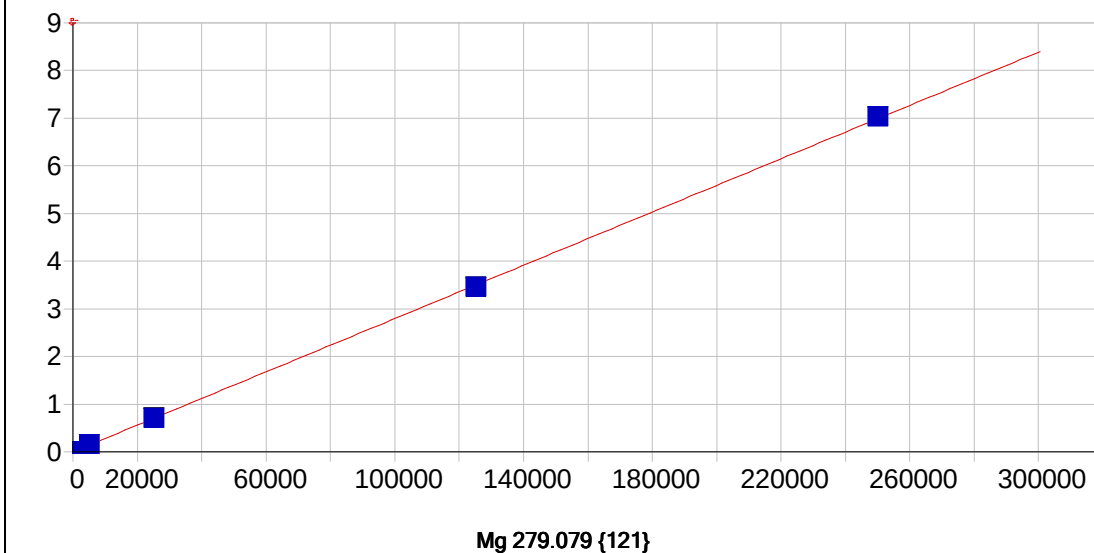
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.01280	-.013	.000	.00014	.000	1
DCAL1	100.00	100.68	.684	.684	.00119	.000	1
DCAL2	150.00	163.04	13.0	8.70	.00186	.000	1
DCAL3	20000.	20793.	793.	3.96	.21581	.001	1
DCAL4	100000.	99725.	-275.	-.275	1.0346	.003	1
DCAL5	200000.	199470.	-532.	-.266	2.0692	.002	1



Date of Fit: 11/27/2012 15:28:13 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.029441 Re-Slope: 1.000000
 A1 (Gain): 0.000057 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999986 Status: OK.
 Std Error of Est: 0.000354
 Predicted MDL: 71.791208
 Predicted MQL: 239.304026

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.10554	-.106	.000	-.02945	.002	1
DCAL2	5000.0	5080.6	80.6	1.61	.26145	.001	1
DCAL3	10000.	10100.	100.	1.00	.55200	.005	1
DCAL4	50000.	49675.	-325.	-.650	2.8306	.005	1
DCAL5	100000.	100140.	144.	.144	5.7359	.039	1

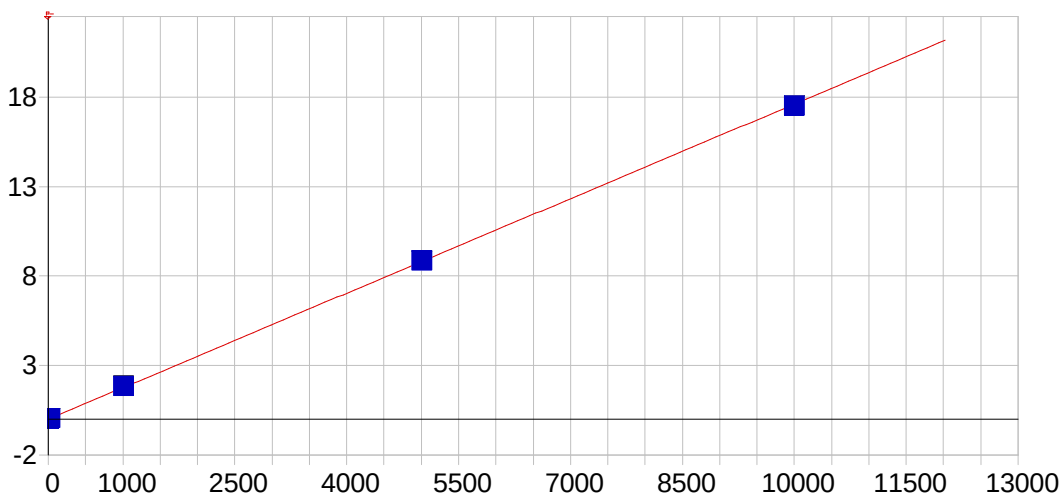


Date of Fit: 11/27/2012 15:28:13 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000062 Re-Slope: 1.000000
 A1 (Gain): 0.000028 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999956 Status: OK.
 Std Error of Est: 0.000479
 Predicted MDL: 6.838011

Predicted MQL: 22.793369

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.10399	-.104	.000	.00006	.000	1
DCAL2	5000.0	5100.2	100.	2.00	.14263	.001	1
DCAL3	25000.	25223.	223.	.892	.70512	.001	1
DCAL4	125000.	123290.	-1710.	-1.37	3.4463	.008	1
DCAL5	250000.	251390.	1390.	.557	7.0273	.004	1

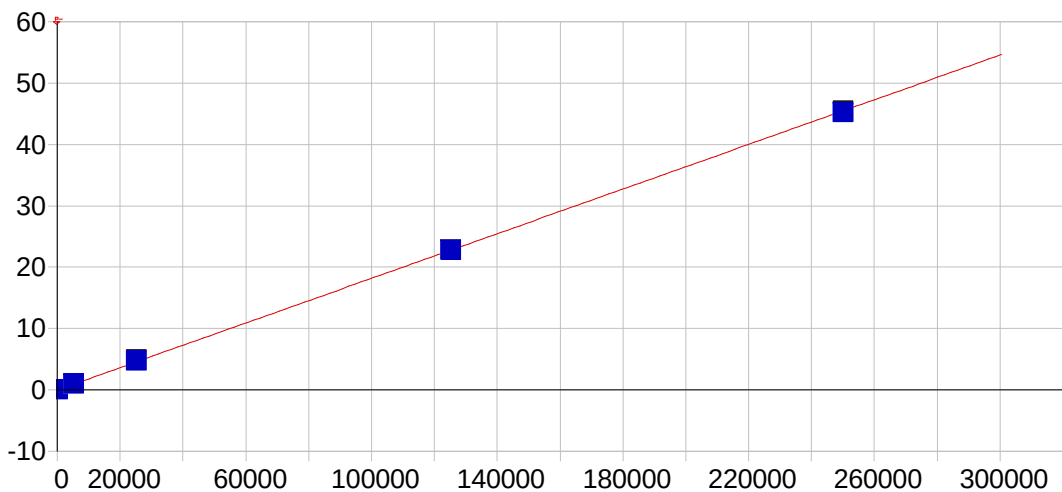


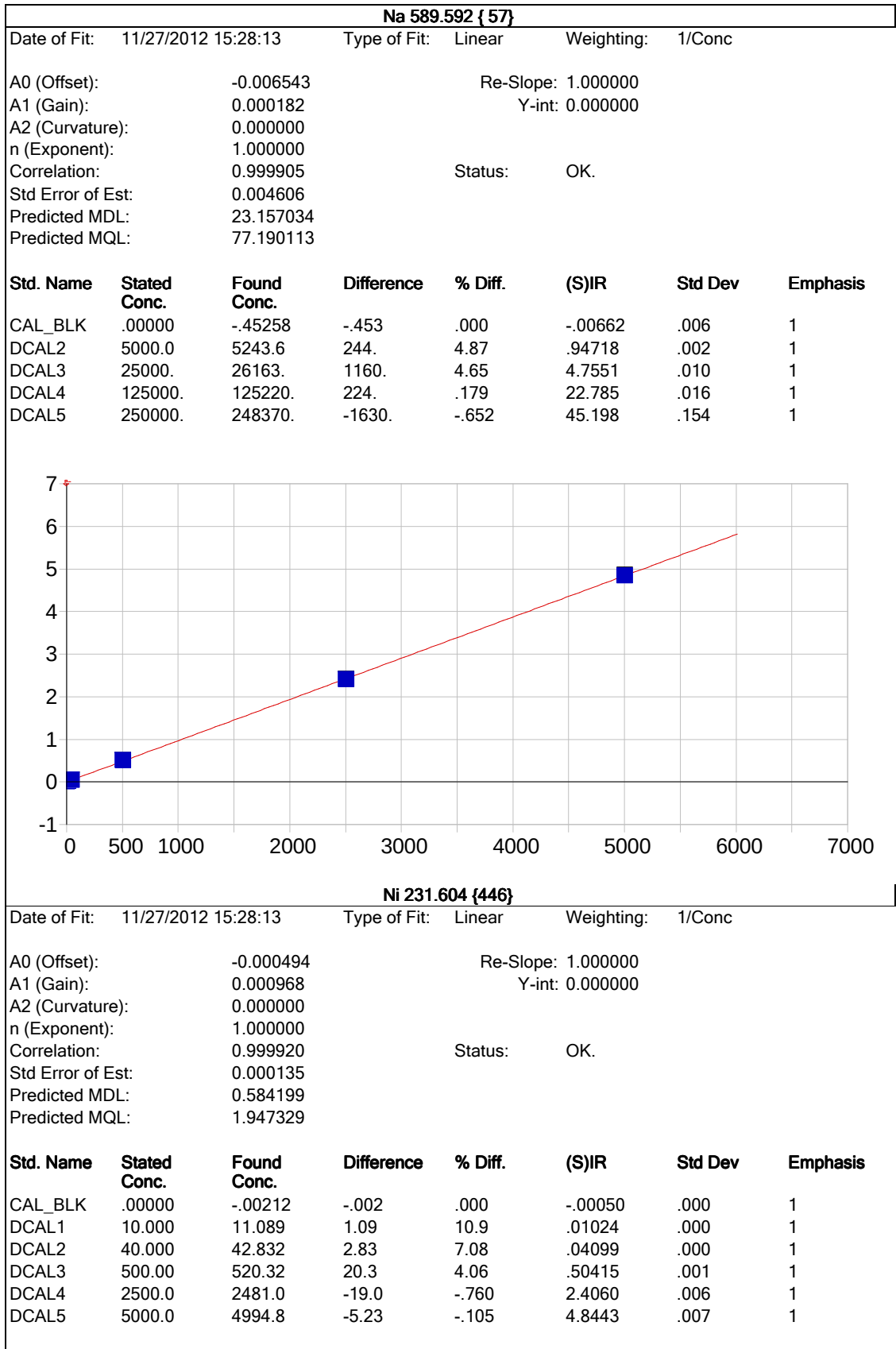
Mn 257.610 {131}

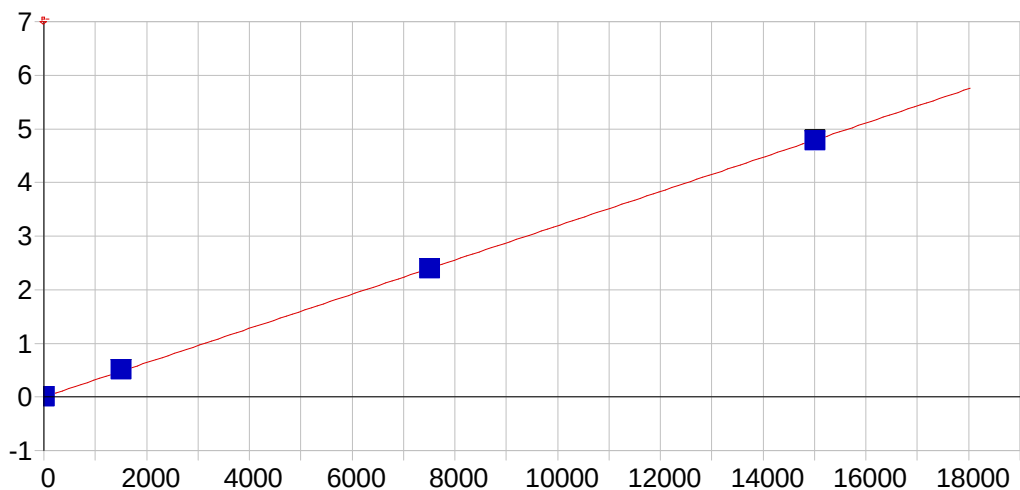
Date of Fit: 11/27/2012 15:28:13 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000183 Re-Slope: 1.000000
 A1 (Gain): 0.001760 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999922 Status: OK.
 Std Error of Est: 0.000439
 Predicted MDL: 0.115270
 Predicted MQL: 0.384234

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00165	-.002	.000	.00018	.000	1
DCAL2	15.000	16.026	1.03	6.84	.02840	.000	1
DCAL3	1000.0	1044.7	44.7	4.47	1.8394	.002	1
DCAL4	5000.0	5015.0	15.0	.300	8.8289	.021	1
DCAL5	10000.	9939.3	-60.7	-.607	17.498	.011	1





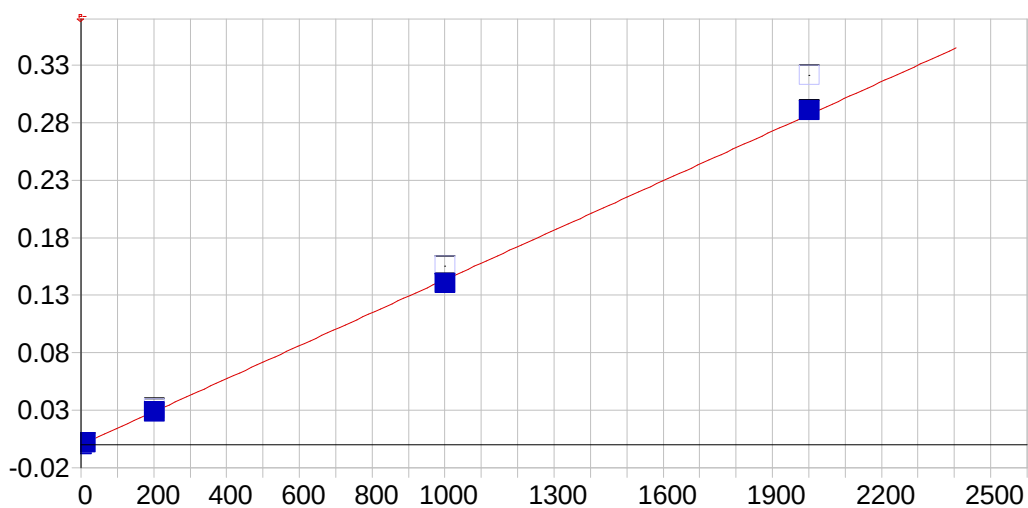


Pb 220.353 (453)

Date of Fit: 11/27/2012 15:28:13 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000355 Re-Slope: 1.000000
 A1 (Gain): 0.000319 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999923 Status: OK.
 Std Error of Est: 0.000056
 Predicted MDL: 1.967553
 Predicted MQL: 6.558510

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00112	-.001	.000	.00035	.000	1
DCAL2	5.0000	5.9214	.921	18.4	.00224	.000	1
DCAL3	1500.0	1570.4	70.4	4.69	.50109	.001	1
DCAL4	7500.0	7474.1	-25.9	-.346	2.3833	.007	1
DCAL5	15000.	14955.	-45.4	-.303	4.7684	.013	1



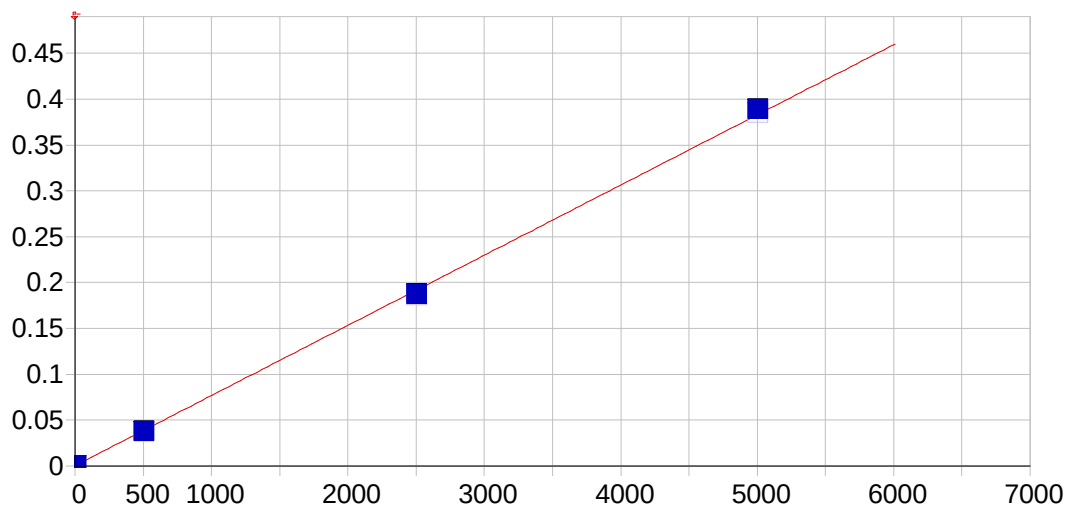
Sb 206.833 (463)

Date of Fit: 11/27/2012 15:28:13 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000078 Re-Slope: 1.000000
 A1 (Gain): 0.000143 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999869 Status: OK.
 Std Error of Est: 0.000019
 Predicted MDL: 2.884108

Predicted MQL: 9.613695

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00031	.000	.000	.00008	.000	1
DCAL2	10.000	10.570	.570	5.70	.00157	.000	1
DCAL3	200.00	197.04	-2.96	-1.48	.03138	.000	1
DCAL4	1000.0	975.65	-24.3	-2.43	.15520	.000	1
DCAL5	2000.0	2026.8	26.8	1.34	.32115	.000	1

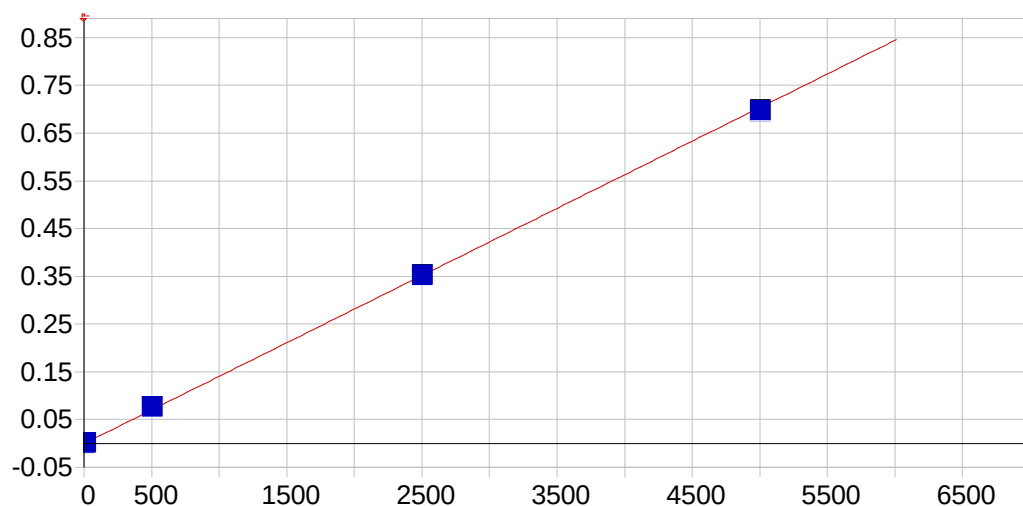


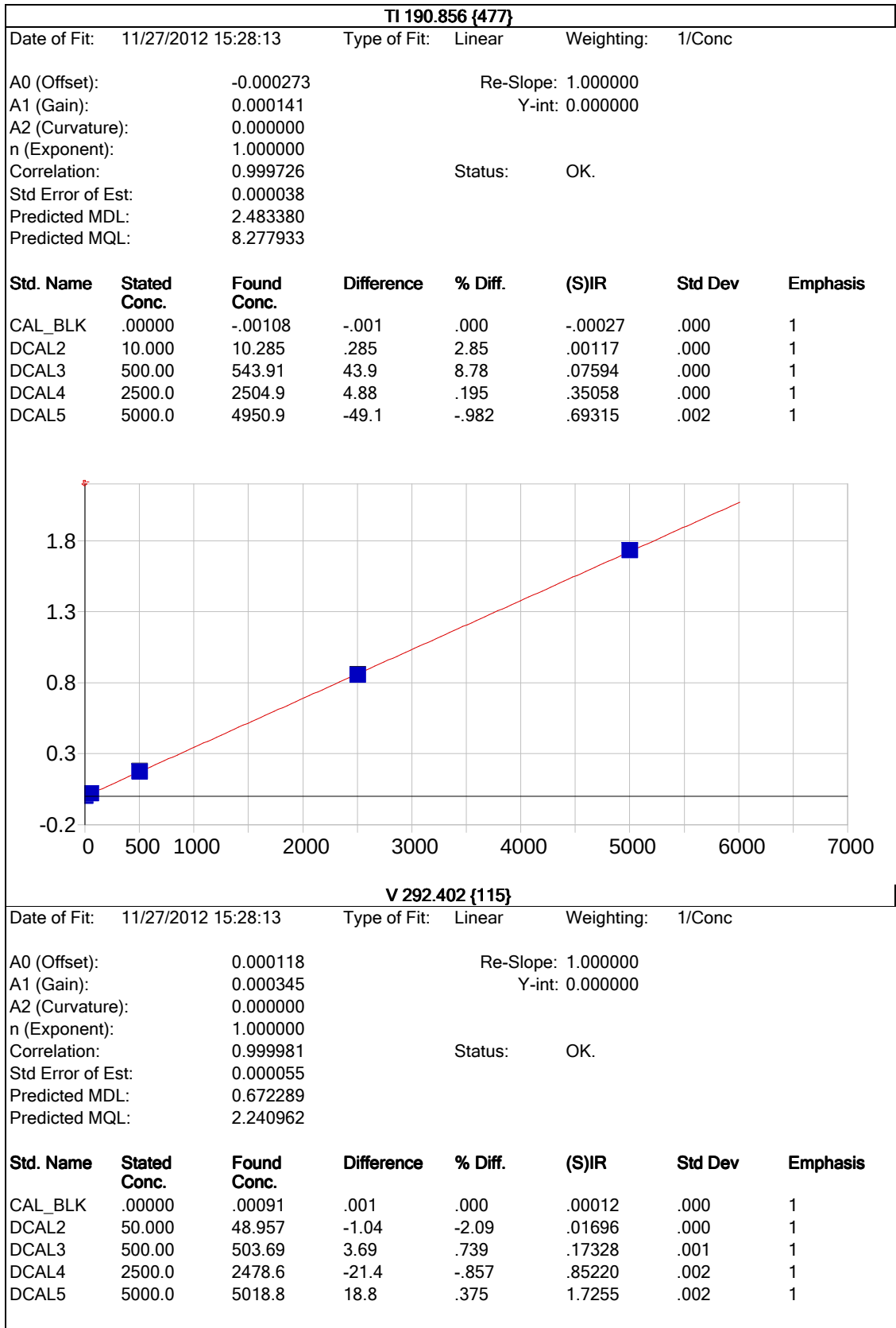
Se 196.090 {472}

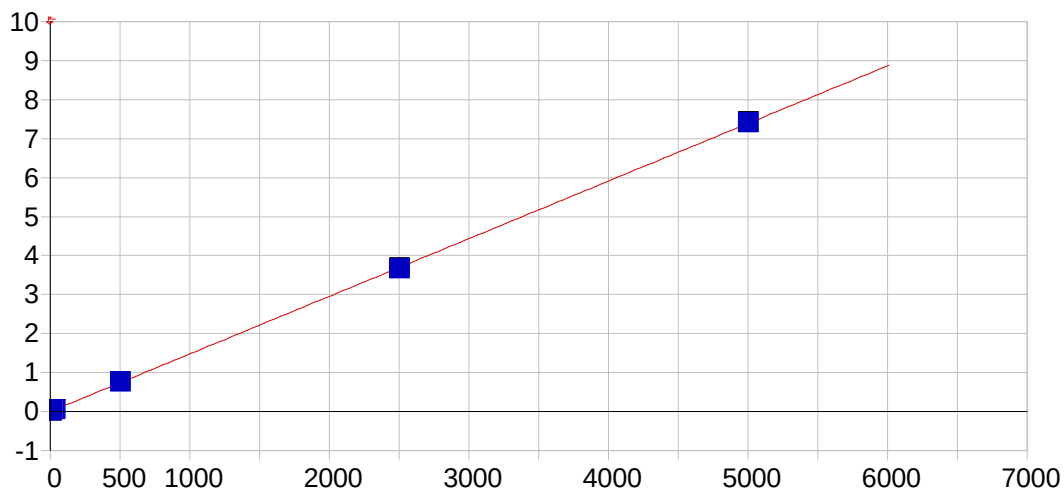
Date of Fit: 11/27/2012 15:28:13 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000394 Re-Slope: 1.000000
A1 (Gain): 0.000077 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999448 Status: OK.
Std Error of Est: 0.000021
Predicted MDL: 4.292649
Predicted MQL: 14.308832

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00556	.006	.000	.00039	.000	1
DCAL2	5.0000	-.37858	-5.38	-108.	.00036	.000	1
DCAL3	500.00	485.63	-14.4	-2.87	.03716	.000	1
DCAL4	2500.0	2443.2	-56.8	-2.27	.18538	.000	1
DCAL5	5000.0	5076.6	76.6	1.53	.38491	.000	1





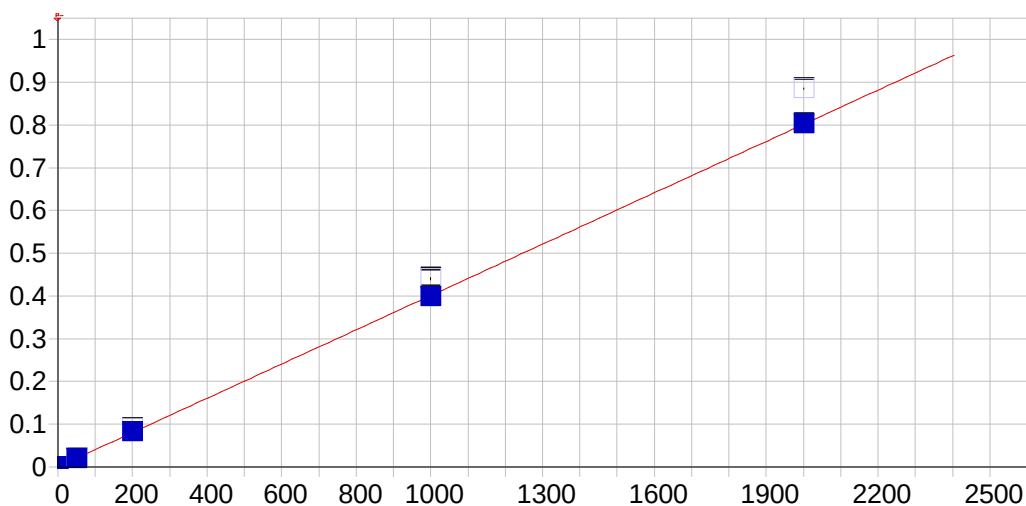


Zn 206.200 (463)

Date of Fit: 11/27/2012 15:28:13 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000060 Re-Slope: 1.000000
 A1 (Gain): 0.001478 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999967 Status: OK.
 Std Error of Est: 0.000131
 Predicted MDL: 0.269492
 Predicted MQL: 0.898308

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00042	.000	.000	.00006	.000	1
DCAL2	30.000	30.785	.785	2.62	.04554	.000	1
DCAL3	500.00	510.23	10.2	2.05	.75337	.002	1
DCAL4	2500.0	2474.7	-25.3	-1.01	3.6537	.015	1
DCAL5	5000.0	5014.2	14.2	.285	7.4030	.013	1
DCAL1	10.000	10.024	.024	.237	.01487	.000	1



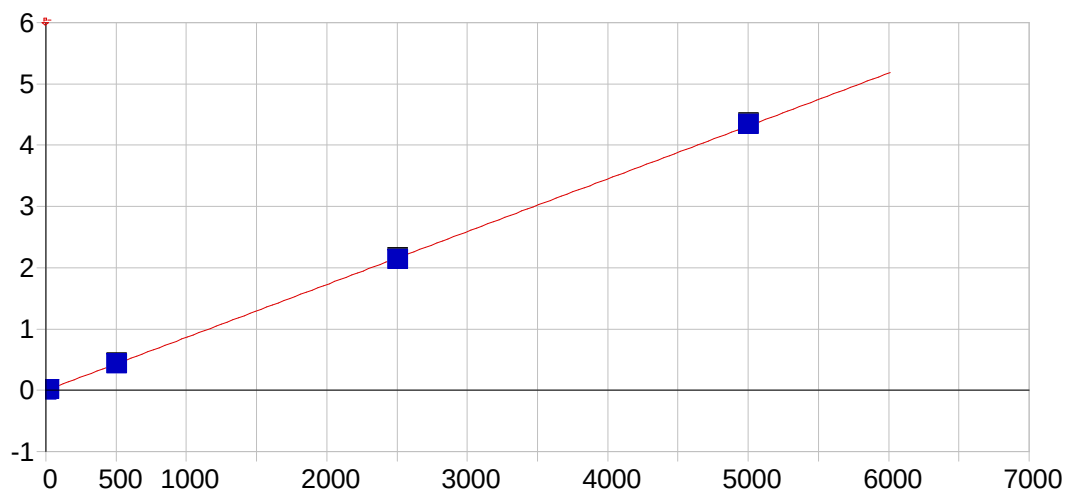
B 208.959 (461)

Date of Fit: 11/27/2012 15:28:13 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000455 Re-Slope: 1.000000
 A1 (Gain): 0.000401 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999980 Status: OK.
 Std Error of Est: 0.000046

Predicted MDL: 0.962347
 Predicted MQL: 3.207823

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00046	.000	.000	.00046	.000	1
DCAL2	50.000	48.661	-1.34	-2.68	.02027	.001	1
DCAL3	200.00	204.34	4.34	2.17	.09061	.000	1
DCAL4	1000.0	994.86	-5.14	-.514	.44050	.003	1
DCAL5	2000.0	2002.0	2.03	.102	.88547	.001	1

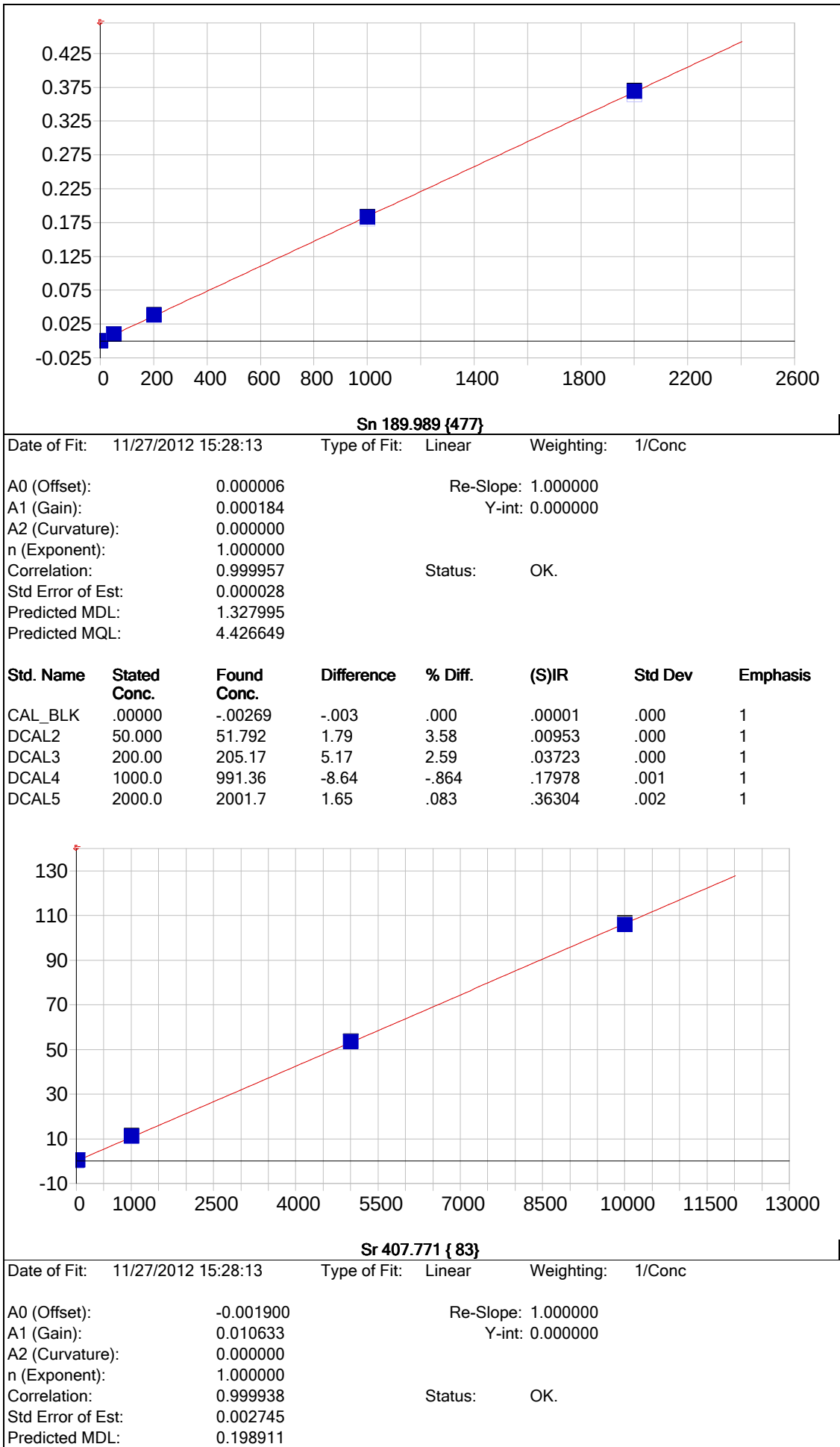


Mo 202.030 (467)

Date of Fit: 11/27/2012 15:28:13 Type of Fit: Linear Weighting: 1/Conc

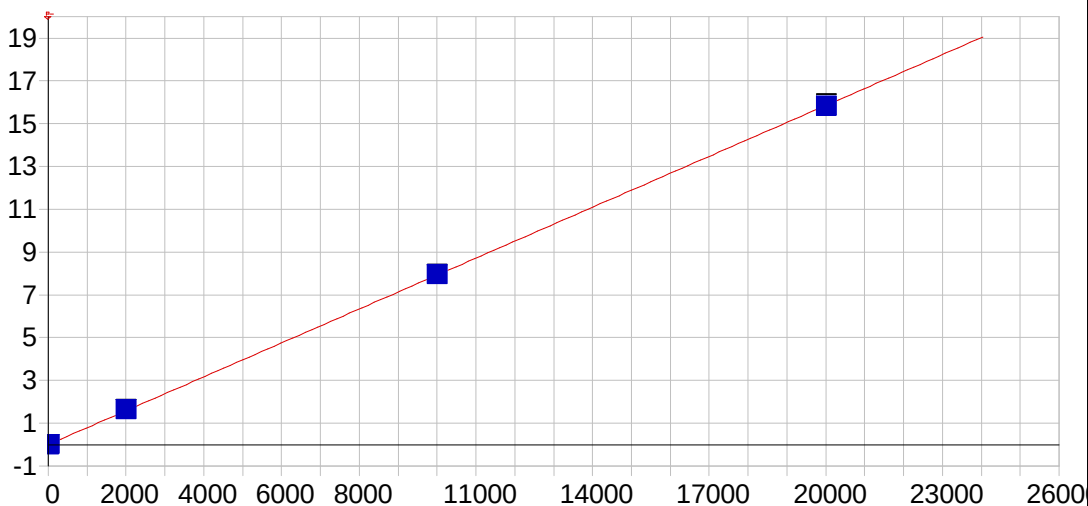
A0 (Offset): -0.000018 Re-Slope: 1.000000
 A1 (Gain): 0.000863 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999967 Status: OK.
 Std Error of Est: 0.000115
 Predicted MDL: 0.487147
 Predicted MQL: 1.623824

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00017	.000	.000	-.00002	.000	1
DCAL2	20.000	19.804	-.196	-.978	.01710	.001	1
DCAL3	500.00	503.94	3.94	.788	.43543	.001	1
DCAL4	2500.0	2469.9	-30.1	-1.21	2.1342	.019	1
DCAL5	5000.0	5026.4	26.4	.528	4.3433	.017	1



Predicted MQL: 0.663036

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00172	-.002	.000	-.00192	.002	1
DCAL2	20.000	20.992	.992	4.96	.22154	.002	1
DCAL3	1000.0	1038.3	38.3	3.83	11.040	.056	1
DCAL4	5000.0	5022.7	22.7	.454	53.412	.143	1
DCAL5	10000.	9938.0	-62.0	-.620	105.69	.739	1

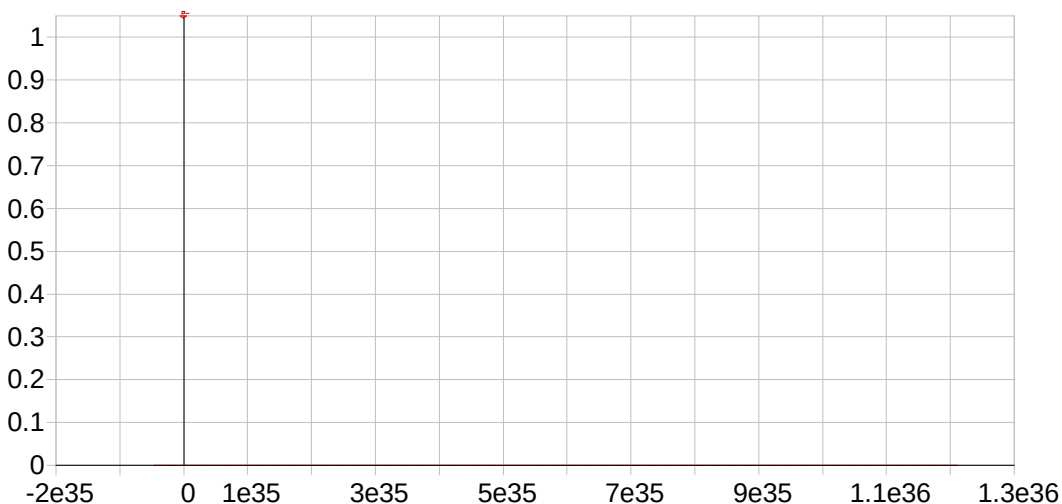


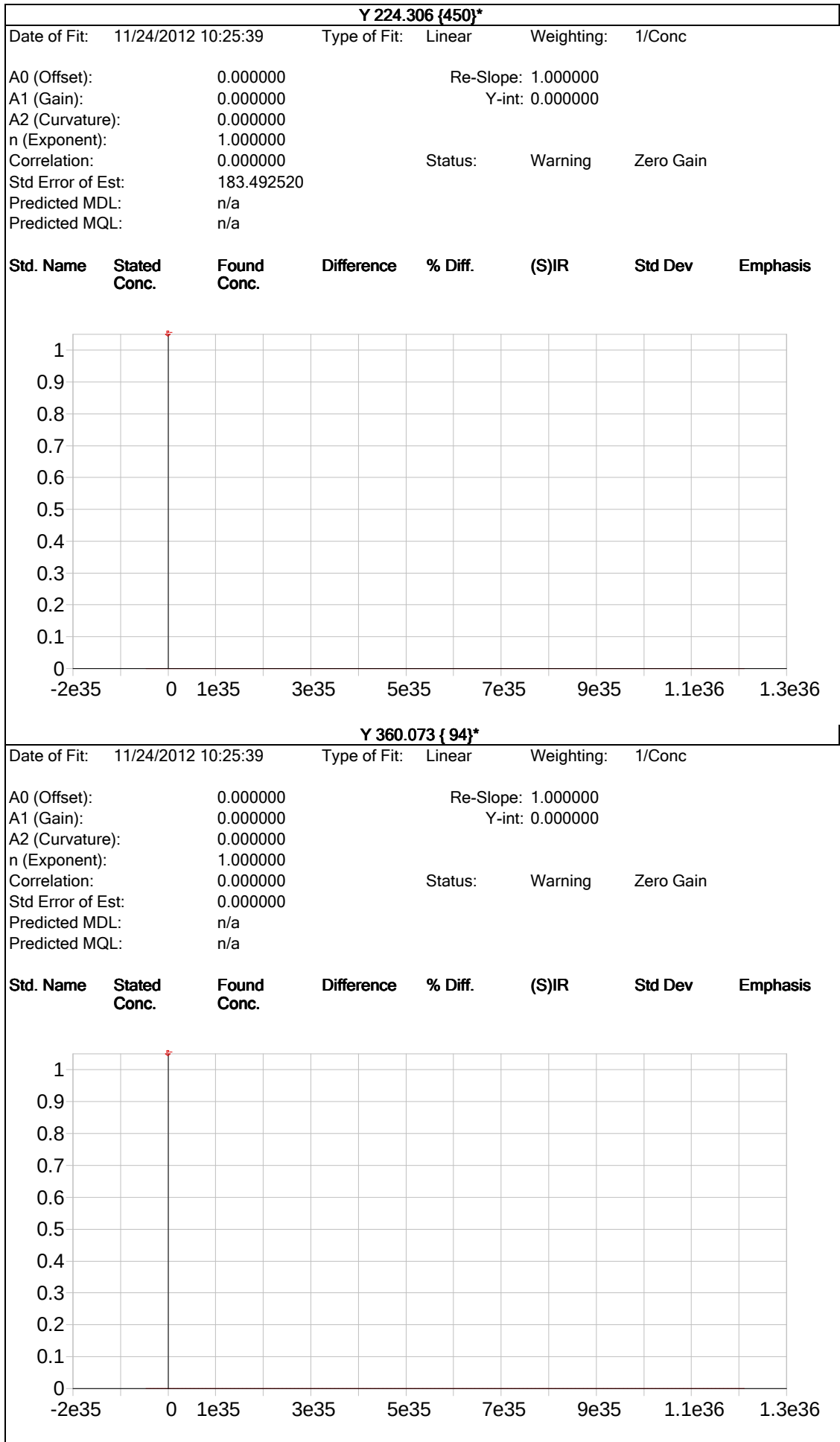
Ti 334.941 {101}

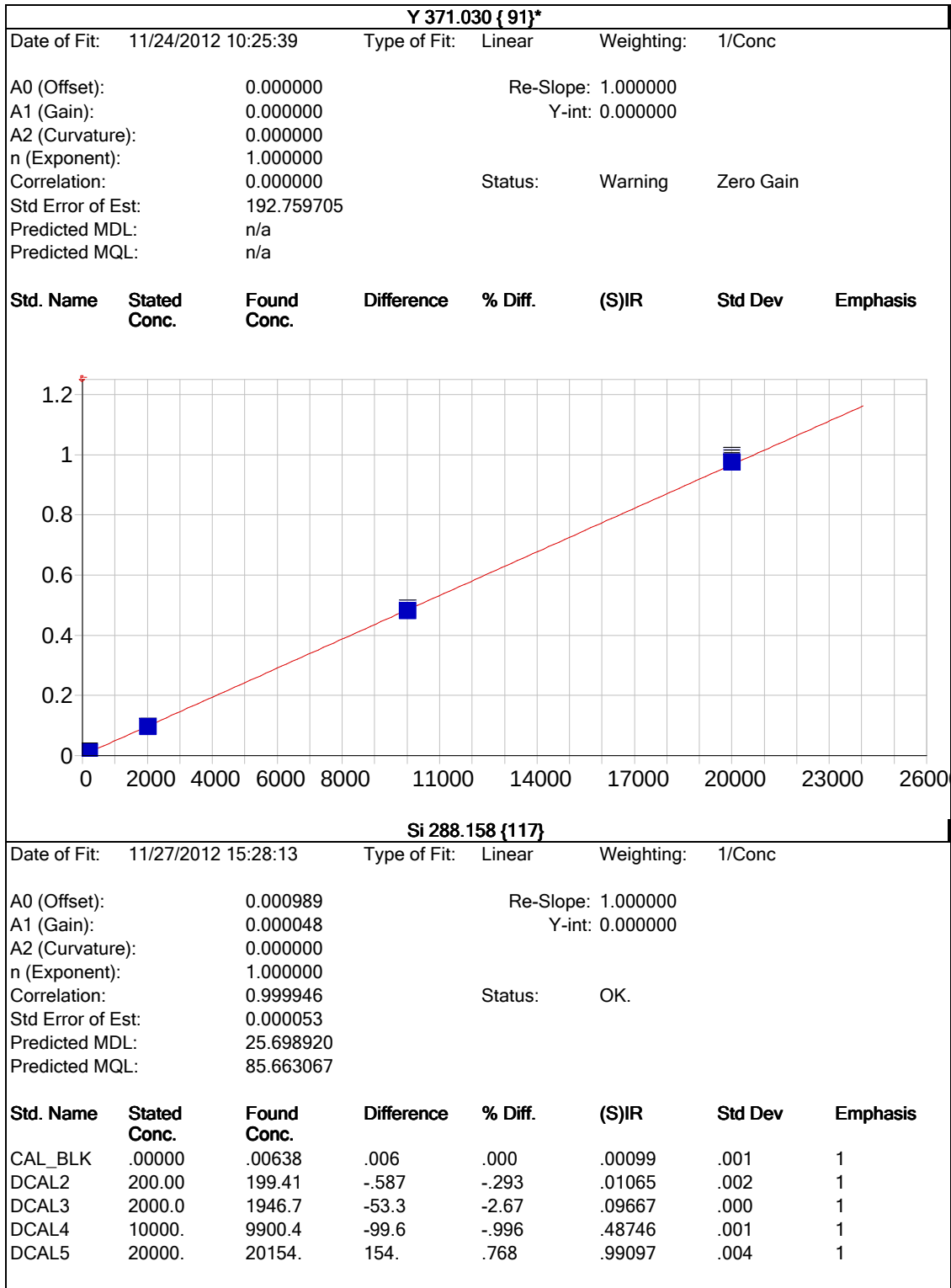
Date of Fit: 11/27/2012 15:28:13 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001558 Re-Slope: 1.000000
A1 (Gain): 0.000793 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999979 Status: OK.
Std Error of Est: 0.000167
Predicted MDL: 2.199677
Predicted MQL: 7.332255

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00012	.000	.000	.00156	.003	1
DCAL2	20.000	19.680	-.320	-1.60	.01743	.002	1
DCAL3	2000.0	2048.0	48.0	2.40	1.6261	.005	1
DCAL4	10000.	10010.	9.92	.099	7.9419	.017	1
DCAL5	20000.	19942.	-57.6	-.288	15.821	.087	1







Sample Name: CAL_BLK Acquired: 11/27/2012 15:06:51 Type: Cal
Method: SW_110712(v8) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	-.0002	-.0004	.0002	.0022	-.0163
Stddev	.0013	.0003	.0002	.0002	.0014	.0021
%RSD	208.6	130.0	50.92	141.9	62.20	12.63

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0003	.0000	.0000	.0064	.0001	-.0294
Stddev	.0002	.000	.000	.0003	.0001	.0025
%RSD	74.14	2066.	289.2	3.926	62.48	8.341

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0002	-.0066	-.0005	.0004	.0001
Stddev	.0000	.0002	.0063	.0002	.0004	.0001
%RSD	55.88	106.1	95.20	46.22	116.5	119.8

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0004	-.0003	.0001	.0001	.0005	.0000
Stddev	.0002	.0003	.0002	.0003	.0001	.000
%RSD	49.68	106.6	164.3	544.0	22.64	2256.

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	-.0019	.0016	.0010
Stddev	.0002	.0018	.0027	.0006
%RSD	4160.	95.47	171.2	56.07

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1485.6	16405.	1402.9
Stddev	6.0	27.	4.3
%RSD	.40693	.16323	.30630

Sample Name: DCAL1 Acquired: 11/27/2012 15:10:36 Type: Cal
Method: SW_110712(v8) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu3247	Fe2714	Ni2316	Zn2062
Line	324.754 {104}	271.441 {124}	231.604 {446}	206.200 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0107	.0012	.0102	.0149
Stddev	.0002	.0001	.0001	.0002
%RSD	1.770	7.393	1.059	1.555

Int. Std.	Y_2243	Y_3600
Line	224.306 {450}	360.073 { 94}
Units	Cts/S	Cts/S
Avg	1523.0	16752.
Stddev	4.1	16.
%RSD	.27205	.09409

Sample Name: DCAL2 Acquired: 11/27/2012 15:14:22 Type: Cal
Method: SW_110712(v8) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0178	.0007	.0034	.5843	.0147	.6094
Stddev	.0014	.0000	.0001	.0021	.0003	.0053
%RSD	7.681	6.460	1.881	.3597	2.126	.8733

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0167	.0640	.0024	.0167	.0019	.2615
Stddev	.0005	.0003	.0001	.0002	.0002	.0007
%RSD	2.725	.3970	6.107	1.467	8.435	.2774

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1426	.0284	.9472	.0410	.0022	.0016
Stddev	.0010	.0002	.0016	.0005	.0003	.0002
%RSD	.7026	.8580	.1683	1.111	13.75	14.60

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0004	.0012	.0170	.0455	.0203	.0171
Stddev	.0001	.0003	.0002	.0004	.0005	.0007
%RSD	21.80	26.00	1.401	.8371	2.614	4.058

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0095	.2215	.0174	.0107
Stddev	.0000	.0021	.0018	.0018
%RSD	.2164	.9560	10.14	16.63

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1488.8	16482.	1417.8
Stddev	9.0	35.	13.2
%RSD	.60674	.21397	.93188

Sample Name: DCAL3 Acquired: 11/27/2012 15:18:05 Type: Cal
Method: SW_110712(v8) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.879	.0448	.0925	5.767	1.461	3.110
Stddev	.006	.0002	.0004	.011	.007	.006
%RSD	.3095	.4966	.3818	.1823	.4793	.1946

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.059	.6320	.2354	1.030	.2158	.5520
Stddev	.002	.0006	.0008	.001	.0010	.0047
%RSD	.2054	.0927	.3356	.1234	.4522	.8525

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.7051	1.839	4.755	.5042	.5011	.0314
Stddev	.0011	.002	.010	.0011	.0011	.0002
%RSD	.1523	.1178	.2179	.2172	.2286	.6140

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0372	.0759	.1733	.7534	.0906	.4354
Stddev	.0004	.0002	.0007	.0016	.0005	.0013
%RSD	1.193	.2396	.4121	.2162	.5486	.2965

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0372	11.04	1.626	.0967
Stddev	.0003	.06	.005	.0003
%RSD	.7275	.5112	.2984	.3610

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1458.4	15991.	1392.8
Stddev	2.2	11.	2.9
%RSD	.15407	.07058	.21100

Sample Name: DCAL4 Acquired: 11/27/2012 15:21:35 Type: Cal
Method: SW_110712(v8) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	9.069	.2273	.4625	27.89	7.059	14.71
Stddev	.004	.0006	.0007	.11	.014	.04
%RSD	.0482	.2721	.1508	.4104	.1911	.2550

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.118	3.022	1.137	5.017	1.035	2.831
Stddev	.021	.008	.002	.013	.003	.005
%RSD	.4200	.2747	.2110	.2590	.2759	.1745

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.446	8.829	22.78	2.406	2.383	.1552
Stddev	.008	.021	.02	.006	.007	.0001
%RSD	.2310	.2374	.0688	.2449	.3145	.0947

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1854	.3506	.8522	3.654	.4405	2.134
Stddev	.0002	.0003	.0019	.015	.0031	.019
%RSD	.0825	.0827	.2213	.4071	.7088	.8994

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1798	53.41	7.942	.4875
Stddev	.0008	.14	.017	.0011
%RSD	.4717	.2678	.2185	.2261

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1378.7	15086.	1379.3
Stddev	3.7	20.	7.7
%RSD	.27070	.13336	.56049

Sample Name: DCAL5 Acquired: 11/27/2012 15:24:58 Type: Cal
Method: SW_110712(v8) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	18.23	.4723	.9616	56.28	13.84	28.05
Stddev	.06	.0002	.0015	.10	.11	.08
%RSD	.3400	.0322	.1561	.1721	.8123	.2878

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	10.37	6.094	2.273	10.10	2.069	5.736
Stddev	.02	.013	.002	.01	.002	.039
%RSD	.1602	.2053	.0639	.1063	.0912	.6828

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.027	17.50	45.20	4.844	4.768	.3212
Stddev	.004	.01	.15	.007	.013	.0001
%RSD	.0553	.0626	.3397	.1487	.2675	.0405

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3849	.6931	1.726	7.403	.8855	4.343
Stddev	.0003	.0015	.002	.013	.0014	.017
%RSD	.0722	.2206	.0942	.1790	.1527	.3926

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3630	105.7	15.82	.9910
Stddev	.0015	.7	.09	.0043
%RSD	.4185	.6995	.5478	.4344

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1312.2	14564.	1371.2
Stddev	2.2	33.	8.4
%RSD	.17060	.22339	.61184

Sample Name: CCV Acquired: 11/27/2012 15:28:20 Type: QC
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	119800.	2357.	1177.	9548.	961.9	123800.
Stddev	132.	3.	1.	26.	4.4	793.
%RSD	.1102	.1077	.1035	.2705	.4582	.6403

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1195.	2383.	4768.	11970.	95670.	47640.
Stddev	4.	7.	13.	12.	295.	289.
%RSD	.3343	.2795	.2715	.1027	.3087	.6058

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	117500.	4820.	120400.	2397.	7271.	942.0
Stddev	152.	11.	454.	5.	20.	2.5
%RSD	.1289	.2276	.3767	.2185	.2761	.2645

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2331.	2424.	2361.	2367.	955.9	2402.
Stddev	4.	6.	7.	8.	2.5	5.
%RSD	.1728	.2676	.2941	.3236	.2634	.2189

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/27/2012 15:28:20 Type: QC
 Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	958.5	4810.	9629.	9407.
Stddev	3.8	25.	28.	41.
%RSD	.3913	.5153	.2872	.4375

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1379.0	15157.	1376.7
Stddev	3.0	79.	5.1
%RSD	.21483	.52118	.37332

Sample Name: CCB Acquired: 11/27/2012 15:31:44 Type: QC
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.52	4.104	-.5057	.4504	-.1115	-.6270
Stddev	17.61	2.368	.5210	.5045	.1648	21.73
%RSD	121.2	57.70	103.0	112.0	147.8	3466.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0368	.3781	.1995	.6760	-.8789	119.4
Stddev	.1655	.1033	1.119	1.080	10.83	80.9
%RSD	450.3	27.33	560.8	159.8	1232.	67.74

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.508	.3422	60.21	.4086	1.220	2.154
Stddev	12.21	.3255	38.93	.2588	2.034	3.616
%RSD	143.5	95.13	64.65	63.33	166.7	167.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.011	-1.021	.4569	.1153	4.183	6.993
Stddev	.915	1.464	.4666	.1101	.756	4.595
%RSD	22.82	143.3	102.1	95.54	18.07	65.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/27/2012 15:31:44 Type: QC
 Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7765	.3927	-.1716	-6.326
Stddev	.9791	.3230	1.139	10.89
%RSD	126.1	82.26	663.7	172.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1477.7	16502.	1399.1
Stddev	3.4	22.	8.5
%RSD	.22795	.13168	.60770

Sample Name: IC5A 1817744 Acquired: 11/27/2012 15:35:31 Type: QC
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	495300.	1.430	-1.718	-1.051	-1.732	441600.
Stddev	2066.	3.746	.842	.241	.1808	2132.
%RSD	.4171	262.0	49.00	22.93	104.4	.4828

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.183	-.3265	-.0700	.0976	193400.	148.5
Stddev	.182	.2259	.5428	.4386	768.	59.3
%RSD	15.43	69.21	775.4	449.2	.3970	39.92

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	497600.	-.2305	-33.09	-.5665	-1.404	7.435
Stddev	3959.	.0816	14.10	.6488	1.167	2.085
%RSD	.7956	35.42	42.62	114.5	83.10	28.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7136	2.112	.7715	5.771	1.504	-.4441
Stddev	3.173	2.565	.1613	.289	.941	.4432
%RSD	444.6	121.4	20.91	5.006	62.56	99.80

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 1817744 Acquired: 11/27/2012 15:35:31 Type: QC
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.840	.0489	-23.28	14.97
Stddev	1.859	.1676	.75	23.64
%RSD	65.45	342.5	3.204	157.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1331.9	14235.	1364.9
Stddev	4.2	13.	8.2
%RSD	.31704	.09075	.60006

Sample Name: ICSAB 1818548 Acquired: 11/27/2012 15:39:20 Type: QC

Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	492600.	92.61	91.99	88.47	91.77	438300.
Stddev	3266.	2.12	.80	.34	.91	4443.
%RSD	.6629	2.293	.8739	.3833	.9944	1.014

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	89.50	87.80	92.15	95.00	192800.	10150.
Stddev	.17	.68	.76	.57	437.	113.
%RSD	.1891	.7772	.8225	.6013	.2265	1.110

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	497900.	93.84	10120.	86.55	88.82	91.05
Stddev	1156.	.45	31.	.63	3.35	1.04
%RSD	.2321	.4809	.3099	.7281	3.772	1.140

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	91.30	84.09	93.02	93.12	85.40	87.84
Stddev	4.00	1.03	.52	.12	.26	.60
%RSD	4.378	1.229	.5558	.1340	.3024	.6819

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1818548 Acquired: 11/27/2012 15:39:20 Type: QC
 Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	87.04	90.72	F 68.01	72.04
Stddev	1.10	.71	1.23	8.42
%RSD	1.265	.7824	1.807	11.68

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			120.0	
Low Limit			80.00	

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1344.0	14294.	1363.3
Stddev	3.1	42.	12.2
%RSD	.22823	.29065	.89712

Sample Name: INT-10 1790436 Acquired: 11/27/2012 15:43:04 Type: QC

Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-19.54	1.893	2.597	-1.469	-.4162	51.42
Stddev	59.07	1.492	.129	.199	.0684	54.28
%RSD	302.2	78.84	4.955	13.57	16.42	105.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4741	10000.	9427.	-5.064	-55.59	126.8
Stddev	.0455	16.	12.	.467	6.00	8.7
%RSD	9.606	.1592	.1252	9.216	10.78	6.855

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.09	9638.	23.71	10160.	-2.568	F -57.00
Stddev	21.55	17.	6.98	15.	1.980	1.58
%RSD	43.90	.1739	29.45	.1476	77.10	2.766

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						20.00
Low Limit						-20.00

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.215	-7.372	4517.	-1.309	45.25	4640.
Stddev	4.129	1.769	4.	.305	.49	39.
%RSD	79.17	23.99	.0992	23.31	1.092	.8315

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10 1790436 Acquired: 11/27/2012 15:43:04 Type: QC
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9619.	9349.	9016.	8677.
Stddev	23.	23.	29.	47.
%RSD	.2398	.2479	.3167	.5444

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1479.1	16704.	1420.3
Stddev	2.4	29.	6.7
%RSD	.16224	.17509	.46853

Sample Name: 460-47149-b-1-b du Acquired: 11/27/2012 15:46:41 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.236	.5453	-.1321	118.6	-.3049	13960.	.1394	1.564	.4778
Stddev	22.18	2.623	.6048	.6	.0803	93.	.1772	.329	.8454
%RSD	423.5	481.0	458.0	.5030	26.33	.6665	127.1	21.00	176.9

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3993	870.9	1989.	6785.	136.3	23920.	5.845	2.741	-.1169
Stddev	1.203	8.3	56.	31.	.5	75.	.644	1.070	1.339
%RSD	301.1	.9507	2.794	.4506	.3823	.3133	11.02	39.04	1145.

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1959	-.9507	.2741	7.263	12.40	22.20	1.205	136.7	-.2806
Stddev	1.563	.9774	.3693	.270	.40	17.02	.434	.5	2.051
%RSD	797.9	102.8	134.7	3.716	3.223	76.67	35.97	.3471	731.2

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	4772.
Stddev	32.
%RSD	.6714

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47149-b-1-b du Acquired: 11/27/2012 15:46:41 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1487.6	16312.	1422.6
Stddev	7.1	41.	7.3
%RSD	.47954	.24891	.51217

Sample Name: 460-47149-j-1-c Acquired: 11/27/2012 15:50:24 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.54	.4322	.3753	123.0	-.1188	14570.	.2250	1.642	.8186
Stddev	10.75	.0738	.5249	.5	.2417	37.	.1187	.378	.6039
%RSD	61.32	17.08	139.9	.4378	203.5	.2554	52.77	23.05	73.78

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3068	909.1	2078.	6943.	139.8	24810.	5.617	.7155	1.815
Stddev	.8065	14.3	24.	43.	.2	44.	.233	.4818	.866
%RSD	262.9	1.571	1.155	.6129	.1654	.1775	4.152	67.34	47.72

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7199	-1.930	-.0004	7.622	12.23	3.150	.2373	141.8	-.0433
Stddev	2.454	4.909	.2357	.175	.80	.523	.9582	.7	1.314
%RSD	340.8	254.3	61450.	2.292	6.543	16.60	403.8	.4706	3033.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	4875.
Stddev	50.
%RSD	1.022

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47149-j-1-c Acquired: 11/27/2012 15:50:24 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1487.5	16385.	1419.1
Stddev	5.1	42.	4.9
%RSD	.34435	.25388	.34444

Sample Name: sd 460-47149-j-1-c@5 Acquired: 11/27/2012 15:54:07 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-9.739	1.597	.0714	24.43	-.3119	2951.	.1020	.1776	-.3657
Stddev	38.81	2.639	.6016	.19	.0364	18.	.0303	.3621	.3243
%RSD	398.5	165.2	842.2	.7942	11.67	.6255	29.73	203.8	88.68

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7976	187.4	541.3	1382.	27.99	5061.	1.623	-1.122	2.493
Stddev	.7152	17.6	27.8	11.	.06	40.	.492	2.009	2.764
%RSD	89.67	9.413	5.142	.8130	.2158	.7846	30.29	179.0	110.9

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.577	.4855	-.2029	1.507	2.716	.8841	.1532	28.46	-.3109
Stddev	2.609	2.369	.5031	.210	1.011	.4633	1.685	.19	.5042
%RSD	165.5	487.9	247.9	13.92	37.21	52.40	1100.	.6552	162.2

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	964.0
Stddev	25.6
%RSD	2.654

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: sd 460-47149-j-1-c@5 Acquired: 11/27/2012 15:54:07 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1496.1	16553.	1399.8
Stddev	3.2	45.	8.2
%RSD	.21363	.27305	.58713

Sample Name: 460-47149-j-1-d ms Acquired: 11/27/2012 15:57:51 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1924.	1797.	44.77	1982.	47.91	34320.	47.02	469.1	190.6
Stddev	31.	7.	.28	3.	.10	134.	.16	.5	.3
%RSD	1.621	.3677	.6303	.1581	.2118	.3908	.3455	.1148	.1535

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	231.2	1847.	20800.	25390.	616.6	43320.	480.4	479.3	465.2
Stddev	.6	13.	90.	47.	1.7	269.	.6	1.7	3.9
%RSD	.2494	.7111	.4346	.1853	.2731	.6212	.1347	.3572	.8459

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1771.	1986.	464.2	470.1	468.3	457.4	471.2	599.6	467.9
Stddev	9.	6.	.8	1.2	2.8	1.3	2.1	3.3	2.9
%RSD	.5039	.2966	.1717	.2455	.5988	.2872	.4439	.5513	.6189

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	4951.
Stddev	30.
%RSD	.5958

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47149-j-1-d ms Acquired: 11/27/2012 15:57:51 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1461.4	15933.	1397.4
Stddev	1.3	29.	6.6
%RSD	.08961	.17900	.47486

Sample Name: pds 460-47149-j-1-c Acquired: 11/27/2012 16:01:21 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1867.	1774.	44.91	1959.	46.87	34160.	46.74	464.8	188.4
Stddev	41.	4.	.93	5.	.21	325.	.27	.5	1.0
%RSD	2.171	.2491	2.079	.2307	.4408	.9507	.5791	.0968	.5277

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	228.3	1841.	20540.	25220.	612.7	43160.	476.4	474.2	463.0
Stddev	1.0	16.	131.	108.	.8	230.	.3	1.3	1.1
%RSD	.4382	.8707	.6395	.4282	.1359	.5325	.0700	.2707	.2394

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1770.	1976.	459.9	466.0	459.0	453.9	468.8	594.6	462.7
Stddev	1.	7.	1.2	.4	.9	1.7	2.3	4.4	5.4
%RSD	.0590	.3362	.2707	.0767	.1891	.3655	.4880	.7414	1.158

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	5048.
Stddev	56.
%RSD	1.114

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: pds 460-47149-j-1-c Acquired: 11/27/2012 16:01:21 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1465.5	16034.	1412.7
Stddev	4.4	60.	13.2
%RSD	.30074	.37699	.93573

Sample Name: 460-47124-e-1-c Acquired: 11/27/2012 16:04:50 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.138	4.689	.0421	44.67	-.1823	4463.	.1185	1.409	-.1328
Stddev	13.94	1.362	1.271	.19	.2243	3.	.0636	.040	.6019
%RSD	152.5	29.05	3015.	.4143	123.0	.0753	53.66	2.858	453.4

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2428	189.8	1654.	1594.	29.99	3989.	3.276	2.420	-.6567
Stddev	.8019	23.0	99.	8.	.11	16.	.488	2.042	2.733
%RSD	330.2	12.11	5.958	.5052	.3817	.3968	14.91	84.37	416.2

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.167	.0839	-.3619	7.674	7.702	1.193	-.0122	49.21	-1.348
Stddev	.455	1.839	.0404	.125	.672	.693	.8008	.49	.496
%RSD	10.91	2192.	11.15	1.625	8.727	58.10	6590.	1.003	36.81

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	4352.
Stddev	6.
%RSD	.1276

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47124-e-1-c Acquired: 11/27/2012 16:04:50 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1497.3	16690.	1404.3
Stddev	1.2	8.	6.4
%RSD	.07886	.05072	.45789

Sample Name: lcs 460-136906/2-a Acquired: 11/27/2012 16:08:33 Type: QC
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1916.	1781.	45.06	1877.	47.63	20460.
Stddev	50.	4.	1.04	5.	.13	102.
%RSD	2.606	.2250	2.319	.2506	.2738	.4997

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.28	473.2	190.3	233.6	940.2	19100.
Stddev	.09	.3	.6	1.5	7.7	98.
%RSD	.1996	.0543	.2933	.6607	.8153	.5131

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18660.	483.2	19530.	483.0	481.3	464.0
Stddev	53.	.5	105.	.5	1.3	1.2
%RSD	.2848	.1028	.5364	.1037	.2693	.2530

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1774.	2034.	462.7	464.7	456.6	458.9
Stddev	8.	5.	1.8	1.9	.7	.9
%RSD	.4478	.2573	.3967	.4098	.1435	.1964

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-136906/2-a Acquired: 11/27/2012 16:08:33 Type: QC
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	471.3	463.7	468.7	68.93
Stddev	2.6	1.8	3.5	25.88
%RSD	.5590	.3860	.7415	37.55

Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1471.2	16159.	1399.4
Stddev	2.5	26.	10.8
%RSD	.16671	.16085	.77009

Sample Name: CCV Acquired: 11/27/2012 16:12:08 Type: QC
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	119000.	2329.	1172.	9383.	954.0	122100.
Stddev	454.	6.	1.	28.	3.0	337.
%RSD	.3814	.2762	.1092	.3034	.3107	.2759

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1177.	2357.	4788.	11860.	95780.	47330.
Stddev	5.	5.	5.	16.	112.	16.
%RSD	.3864	.2211	.1070	.1327	.1171	.0342

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	118600.	4830.	119300.	2374.	7166.	936.9
Stddev	101.	1.	336.	5.	20.	4.4
%RSD	.0850	.0259	.2820	.2194	.2743	.4661

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2315.	2386.	2362.	2333.	943.4	2353.
Stddev	9.	4.	3.	8.	2.5	20.
%RSD	.3875	.1546	.1211	.3505	.2626	.8505

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/27/2012 16:12:08 Type: QC
 Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	943.3	4781.	9604.	9328.
Stddev	2.3	10.	16.	8.
%RSD	.2388	.1988	.1624	.0817

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1395.9	15136.	1381.0
Stddev	.9	30.	2.9
%RSD	.06466	.19978	.20822

Sample Name: CCB Acquired: 11/27/2012 16:15:31 Type: QC
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-21.16	.7952	-.2012	.2995	.0047	29.67
Stddev	15.56	3.294	.0512	.4585	.1981	17.44
%RSD	73.56	414.2	25.44	153.1	4174.	58.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1085	.3035	.7519	.6668	-2.482	53.43
Stddev	.1310	.3198	.4572	1.460	8.883	84.00
%RSD	120.7	105.4	60.81	218.9	357.8	157.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.733	.4017	36.16	.5666	1.858	.9657
Stddev	4.643	.2828	36.15	.5943	.742	1.970
%RSD	53.16	70.41	99.98	104.9	39.95	204.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.282	-1.088	.1454	.2168	2.912	4.869
Stddev	4.447	.607	.3511	.1432	.778	3.300
%RSD	194.9	55.80	241.6	66.05	26.71	67.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/27/2012 16:15:31 Type: QC
 Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.020	.3365	.7582	11.23
Stddev	1.180	.6073	1.900	5.41
%RSD	115.7	180.4	250.5	48.17

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1482.8	16614.	1399.8
Stddev	4.9	42.	10.9
%RSD	.33101	.25267	.77781

Sample Name: mb 460-136909/1-b Acquired: 11/27/2012 16:19:19 Type: QC
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.073	.9541	.1723	.0993	-.1927	17.43
Stddev	15.69	.4800	.2636	.2183	.2924	20.64
%RSD	258.4	50.31	153.0	219.7	151.7	118.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1612	-.1201	-.3734	-.3440	-7.340	51.20
Stddev	.0450	.3663	.2816	.1453	11.94	30.78
%RSD	27.93	305.1	75.43	42.22	162.7	60.11

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.298	.0461	7.185	.5909	1.613	.6917
Stddev	5.448	.1240	10.23	.2654	1.728	.9688
%RSD	419.9	269.1	142.4	44.92	107.1	140.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.880	.1791	-.1334	.1493	3.944	.7107
Stddev	2.764	1.488	.4185	.0728	.509	.3357
%RSD	95.97	831.0	313.8	48.75	12.92	47.24

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-136909/1-b Acquired: 11/27/2012 16:19:19 Type: QC
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.110	.0272	-.5550	15.71
Stddev	1.372	.1345	1.432	13.53
%RSD	123.7	495.4	258.0	86.14

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1489.2	16542.	1390.7
Stddev	3.5	16.	1.5
%RSD	.23665	.09488	.11064

Sample Name: 460-47124-e-2-b Acquired: 11/27/2012 16:23:06 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.533	3.805	.4865	79.15	-.1951	12160.	.1654	1.535	-.5924
Stddev	17.36	1.988	.8678	.09	.2211	83.	.1588	.158	.5913
%RSD	383.0	52.24	178.4	.1164	113.4	.6837	96.04	10.30	99.81

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.617	53.04	1967.	4314.	15.15	12390.	5.242	1.733	.5913
Stddev	.752	9.66	24.	15.	.13	97.	.211	1.212	.5548
%RSD	16.29	18.21	1.210	.3445	.8518	.7842	4.028	69.95	93.83

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.777	.7199	-.1366	6.886	11.08	-.0206	1.162	131.7	-1.349
Stddev	5.718	2.537	.8767	.337	.93	.2976	1.006	1.1	2.000
%RSD	321.9	352.4	641.9	4.898	8.349	1448.	86.58	.8557	148.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	4659.
Stddev	48.
%RSD	1.038

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47124-e-2-b Acquired: 11/27/2012 16:23:06 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1499.1	16509.	1416.7
Stddev	2.5	20.	15.6
%RSD	.16434	.11858	1.1007

Sample Name: 460-47124-e-3-b Acquired: 11/27/2012 16:26:49 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.607	.7752	-.1114	78.25	-.2584	12110.	.1303	1.579	-.1670
Stddev	23.48	2.047	.8434	.26	.2491	84.	.0909	.195	.3164
%RSD	900.7	264.1	756.8	.3379	96.40	.6934	69.76	12.36	189.5

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.372	42.07	2003.	4258.	14.71	12290.	4.748	2.031	.5824
Stddev	.260	4.12	10.	11.	.05	66.	.454	.269	2.642
%RSD	5.956	9.785	.5110	.2685	.3651	.5333	9.554	13.22	453.6

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7113	-.4496	-.7972	5.927	10.67	.1598	.4222	130.1	-.6693
Stddev	1.816	1.737	.5538	.217	.51	.2879	1.713	.7	1.928
%RSD	255.4	386.2	69.46	3.668	4.821	180.1	405.7	.5269	288.1

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	4610.
Stddev	9.
%RSD	.1990

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47124-e-3-b Acquired: 11/27/2012 16:26:49 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1493.9	16540.	1417.3
Stddev	4.6	63.	10.3
%RSD	.30707	.38125	.72368

Sample Name: 460-47276-d-2-b Acquired: 11/27/2012 16:30:31 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.00	5.276	.1483	768.6	-.1482	66900.	.6580	62.55	-1.183
Stddev	3.23	3.288	.7146	2.4	.2190	219.	.0487	.58	.640
%RSD	6.583	62.33	481.8	.3116	147.8	.3269	7.406	.9322	54.11

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4185	124.1	5144.	31370.	1642.	66280.	11.57	2.788	2.339
Stddev	.3553	7.7	49.	106.	3.	154.	.19	1.938	.549
%RSD	84.89	6.206	.9439	.3369	.2116	.2320	1.615	69.52	23.47

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.222	-.8735	.0065	15.28	9.808	-.1152	.0481	938.8	-1.626
Stddev	.703	1.185	.5603	.17	.942	.8477	.7969	2.0	1.093
%RSD	21.83	135.7	8561.	1.143	9.599	735.6	1657.	.2157	67.19

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	6597.
Stddev	28.
%RSD	.4181

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47276-d-2-b Acquired: 11/27/2012 16:30:31 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1474.1	16144.	1422.6
Stddev	3.5	86.	1.7
%RSD	.23515	.53288	.12113

Sample Name: 460-47188-d-4-b Acquired: 11/27/2012 16:34:14 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.62	21.24	-7.121	4.714	-.2957	15990.	-.0856	-.1879
Stddev	25.19	1.06	.7126	.082	.0683	33.	.0959	.5869
%RSD	199.6	4.977	100.1	1.742	23.11	.2056	112.0	312.3

Check ? **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	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.207	1.910	25530.	318.9	7849.	83.81	218100.	.7162
Stddev	.541	.253	23.	41.6	4.	.46	923.	.5422
%RSD	10.40	13.26	.0918	13.04	.0478	.5483	.4231	75.71

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7302	-.5347	-1.149	.1480	3.296	2.320	579.1	-.2617
Stddev	1.660	1.883	2.249	3.137	.559	.129	1.5	.3476
%RSD	227.3	352.1	195.7	2120.	16.96	5.565	.2554	132.8

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9452	92.51	-2.863	1722.
Stddev	1.256	.14	1.786	9.
%RSD	132.9	.1520	62.39	.5006

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47188-d-4-b Acquired: 11/27/2012 16:34:14 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1445.7	15518.	1397.4
Stddev	5.7	33.	10.6
%RSD	.39448	.21278	.76193

Sample Name: 460-47188-d-5-b Acquired: 11/27/2012 16:37:55 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	779.4	5.060	-9082	25.01	-0976	7150.	9.719	2.407	3.177
Stddev	29.1	2.121	.2724	.26	.1530	29.	.101	.107	.203
%RSD	3.729	41.93	30.00	1.046	156.8	.4012	1.043	4.448	6.395

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.47	2003.	1885.	2976.	36.29	11980.	5.898	3.880	.6121
Stddev	.83	10.	28.	13.	.11	11.	.063	.899	.8821
%RSD	6.166	.5143	1.463	.4199	.3044	.0909	1.062	23.18	144.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7824	-2.295	1.852	56.98	37.51	.2476	.7173	29.97	8.386
Stddev	4.202	1.119	.128	.18	1.53	.1361	1.066	.15	3.543
%RSD	537.1	48.78	6.932	.3229	4.067	54.98	148.6	.5101	42.25

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	3804.
Stddev	25.
%RSD	.6682

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47188-d-5-b Acquired: 11/27/2012 16:37:55 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1517.7	16730.	1442.4
Stddev	4.4	74.	1.4
%RSD	.29012	.44486	.09455

Sample Name: 460-47391-a-1-b Acquired: 11/27/2012 16:41:39 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.867	4.384	.5441	34.49	-.1959	48120.	.1572	.0093	-.4927
Stddev	41.58	2.606	.1644	.11	.3261	226.	.0663	.0660	1.117
%RSD	1450.	59.44	30.21	.3065	166.4	.4695	42.19	710.7	226.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.602	10.41	4906.	4605.	27.15	7898.	2.426	2.205	1.819
Stddev	.499	14.13	45.	4.	.06	26.	.244	.705	1.670
%RSD	13.87	135.7	.9190	.0803	.2096	.3261	10.06	31.95	91.77

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.780	-2.207	.9050	9.480	59.24	7.163	.8354	282.7	-3.103
Stddev	2.924	1.216	.3491	.025	.22	.439	.7295	1.3	1.171
%RSD	164.2	55.12	38.58	.2595	.3766	6.122	87.32	.4543	37.74

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	6063.
Stddev	8.
%RSD	.1351

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47391-a-1-b Acquired: 11/27/2012 16:41:39 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1487.4	16509.	1421.5
Stddev	3.2	92.	2.2
%RSD	.21203	.55846	.15387

Sample Name: 460-47391-a-2-b Acquired: 11/27/2012 16:45:22 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.60	1.440	-.0480	73.00	-.1990	27460.	.0635	.2323	-.5206
Stddev	8.18	2.026	.7223	.17	.1440	25.	.2096	.5366	.4542
%RSD	64.94	140.7	1505.	.2367	72.37	.0923	330.1	231.0	87.24

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4612	-2.963	6860.	3833.	90.06	37230.	2.858	1.400	1.176
Stddev	.2967	5.790	52.	24.	.25	96.	.417	.598	1.336
%RSD	64.35	195.4	.7515	.6363	.2823	.2585	14.60	42.68	113.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.171	-.2255	-.1929	4.476	125.4	.1742	1.310	247.2	-1.639
Stddev	7.480	1.655	.1407	.207	1.5	.1378	1.106	.9	3.030
%RSD	344.5	733.8	72.92	4.631	1.213	79.07	84.44	.3679	184.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	5258.
Stddev	28.
%RSD	.5359

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47391-a-2-b Acquired: 11/27/2012 16:45:22 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1485.8	16261.	1419.8
Stddev	6.4	38.	5.5
%RSD	.43006	.23290	.38785

Sample Name: 460-47391-a-3-b Acquired: 11/27/2012 16:49:04 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36.66	3.699	.5423	37.30	-.2393	50540.	.1360	.1737	-.5735
Stddev	8.68	1.305	.9413	.17	.2203	124.	.0221	.2090	.1770
%RSD	23.68	35.29	173.6	.4622	92.05	.2451	16.23	120.3	30.86

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.113	4.918	2501.	12470.	43.98	30800.	3.851	1.648	2.467
Stddev	.263	14.70	54.	53.	.15	82.	.446	1.105	2.400
%RSD	6.396	298.9	2.143	.4217	.3508	.2666	11.59	67.02	97.28

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.138	-.8965	-.0997	6.560	48.28	-.0057	.7053	156.0	-4.047
Stddev	1.291	1.735	.3786	.255	1.13	.5142	.4737	.5	1.403
%RSD	31.19	193.6	379.8	3.880	2.336	9023.	67.17	.3447	34.67

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	3079.
Stddev	33.
%RSD	1.085

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47391-a-3-b Acquired: 11/27/2012 16:49:04 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1488.5	16246.	1415.9
Stddev	4.7	102.	1.0
%RSD	.31272	.62660	.06870

Sample Name: 460-47391-a-4-b Acquired: 11/27/2012 16:52:46 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5132.	3.417	.0244	54.45	4.456	66760.	7.930	48.43	.5372
Stddev	24.	.950	.5396	.29	.079	584.	.064	.35	.6036
%RSD	.4611	27.80	2212.	.5364	1.772	.8752	.8119	.7132	112.4

Check ? **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	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.292	17400.	13260.	33770.	1286.	46060.	104.2	6.681	-1.028
Stddev	.322	30.	47.	59.	3.	218.	1.3	1.990	2.133
%RSD	5.121	.1742	.3556	.1739	.2543	.4736	1.223	29.78	207.4

Check ? **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	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.591	-4.029	-.4934	184.5	85.11	-.5941	1.197	706.5	-4.159
Stddev	2.957	1.483	.4165	1.3	.45	.0341	.823	7.3	.486
%RSD	64.41	36.82	84.41	.6804	.5275	5.737	68.78	1.031	11.68

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	14250.
Stddev	44.
%RSD	.3068

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47391-a-4-b Acquired: 11/27/2012 16:52:46 Type: Unk
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1483.4	16192.	1420.8
Stddev	6.7	205.	20.1
%RSD	.44977	1.2663	1.4153

Sample Name: CCV Acquired: 11/27/2012 16:56:27 Type: QC
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	119000.	2323.	1167.	9421.	952.5	122200.
Stddev	921.	14.	6.	35.	2.6	477.
%RSD	.7741	.6041	.4988	.3664	.2742	.3902

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1177.	2359.	4760.	11840.	95070.	47390.
Stddev	4.	6.	13.	29.	305.	108.
%RSD	.3821	.2504	.2816	.2434	.3211	.2279

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	117300.	4804.	119400.	2371.	7159.	933.3
Stddev	308.	6.	718.	6.	25.	3.8
%RSD	.2627	.1300	.6018	.2507	.3522	.4066

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2310.	2390.	2350.	2335.	943.8	2359.
Stddev	18.	13.	4.	9.	6.5	16.
%RSD	.7831	.5229	.1681	.4049	.6910	.6739

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/27/2012 16:56:27 Type: QC
 Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	944.2	4768.	9577.	9378.
Stddev	3.0	3.	42.	71.
%RSD	.3141	.0610	.4336	.7576

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1390.1	15193.	1378.2
Stddev	4.8	61.	6.2
%RSD	.34468	.40027	.44833

Sample Name: CCB Acquired: 11/27/2012 16:59:49 Type: QC
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-10.97	2.565	.7331	.1008	.0068	1.828
Stddev	37.42	.859	1.327	.3365	.2238	21.18
%RSD	341.2	33.51	181.0	334.0	3277.	1159.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0752	.1554	.2411	.0808	2.116	101.3
Stddev	.2569	.0628	.6130	.5907	16.41	124.6
%RSD	341.8	40.44	254.3	731.1	775.6	123.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.402	.3050	31.49	.4613	.7480	.0487
Stddev	11.68	.2240	34.81	.3485	1.368	.4315
%RSD	265.3	73.44	110.6	75.55	182.9	885.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.297	.6021	.1495	.2860	2.169	4.307
Stddev	1.248	2.113	.6163	.1481	1.086	3.661
%RSD	29.04	351.0	412.4	51.80	50.07	85.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/27/2012 16:59:49 Type: QC
 Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4688	.3458	1.734	5.358
Stddev	.6113	.2945	1.455	10.23
%RSD	130.4	85.16	83.93	190.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1504.5	16610.	1404.8
Stddev	6.0	49.	8.3
%RSD	.40089	.29772	.58907

Sample Name: CCV Acquired: 11/27/2012 17:03:35 Type: QC
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	119200.	2353.	1171.	9483.	945.8	122000.
Stddev	44.	19.	3.	27.	3.1	558.
%RSD	.0370	.8220	.2169	.2891	.3280	.4569

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1189.	2368.	4758.	11820.	95410.	47240.
Stddev	4.	4.	12.	23.	163.	112.
%RSD	.3511	.1839	.2446	.1960	.1712	.2360

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	117300.	4776.	120000.	2383.	7226.	940.4
Stddev	301.	9.	274.	5.	18.	1.9
%RSD	.2568	.1791	.2286	.1946	.2473	.1988

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2330.	2401.	2355.	2355.	947.5	2379.
Stddev	5.	5.	7.	7.	1.2	6.
%RSD	.1960	.1952	.3137	.3106	.1318	.2421

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/27/2012 17:03:35 Type: QC
 Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	952.4	4745.	9551.	9327.
Stddev	3.8	15.	12.	44.
%RSD	.3939	.3261	.1247	.4752

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1400.6	15411.	1392.9
Stddev	3.1	66.	7.5
%RSD	.22337	.42860	.53969

Sample Name: CCB Acquired: 11/27/2012 17:07:00 Type: QC
Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-16.18	3.703	-.0276	.4481	-.2197	25.82
Stddev	12.48	3.228	1.088	.3050	.1567	14.13
%RSD	77.09	87.16	3947.	68.07	71.33	54.75

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1481	.3821	.0143	.4246	9.647	94.98
Stddev	.0480	.1607	.5144	.6271	4.452	91.45
%RSD	32.44	42.06	3595.	147.7	46.15	96.28

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.460	.2240	30.28	.5442	.6239	3.050
Stddev	7.488	.2441	31.22	.1172	.7751	2.026
%RSD	100.4	109.0	103.1	21.53	124.2	66.42

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.668	.8657	-.0848	-.0097	2.863	4.166
Stddev	2.401	.4949	.6998	.0186	1.407	3.715
%RSD	89.98	57.17	825.6	191.4	49.16	89.17

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/27/2012 17:07:00 Type: QC
 Method: SW_110712(v8) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0591	.1781	-.0123	7.420
Stddev	1.027	.2892	2.407	14.80
%RSD	1737.	162.4	19600.	199.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1502.4	16689.	1400.9
Stddev	4.4	29.	4.9
%RSD	.29354	.17563	.34863

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1								
				Seq: 1		13:07:52	20 Nov 12	HG
Hg	.000	ppb	662					
*** Standard: 2 Rep: 1								
				Seq: 2		13:09:38	20 Nov 12	HG
Hg	.200	ppb	8959					
*** Standard: 3 Rep: 1								
				Seq: 3		13:11:48	20 Nov 12	HG
Hg	1.00	ppb	36245					
*** Standard: 4 Rep: 1								
				Seq: 4		13:13:55	20 Nov 12	HG
Hg	2.00	ppb	74205					
*** Standard: 5 Rep: 1								
				Seq: 5		13:16:10	20 Nov 12	HG
Hg	5.00	ppb	183761					
*** Standard: 6 Rep: 1								
				Seq: 6		13:17:56	20 Nov 12	HG
Hg	10.0	ppb	362834					
*** Check Standard: 3 Ck3AICV								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.1	4.91	5.00	ppb	.000	13:19:53	20 Nov 12 HG
*** Check Standard: 1 Ck1ICB/CCB								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.009	.200	ppb	.000		13:21:39	20 Nov 12 HG
*** Check Standard: 4 Ck4QCS								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		97.7	4.89	5.00	ppb	.000	13:23:47	20 Nov 12 HG
*** Sample ID:								
				Seq: 10		13:25:45	20 Nov 12	HG
Hg	2.07	ppb	.000	2.07				
*** Sample ID:								
				Seq: 11		13:27:29	20 Nov 12	HG
Hg	.159	ppb	.000	.159				
*** Sample ID:								
				Seq: 12		13:29:27	20 Nov 12	HG
Hg	1.05	ppb	.000	1.05				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 13		13:31:23	20 Nov 12	HG
				460-47222-D-1-D				
Hg	.061	ppb	.000	.061				
*** Sample ID:				Seq: 14		13:33:07	20 Nov 12	HG
				460-47222-D-1-E DU				
Hg	.068	ppb	.000	.068				
*** Sample ID:				Seq: 15		13:34:55	20 Nov 12	HG
				460-47222-D-1-F MS				
Hg	1.10	ppb	.000	1.10				
*** Sample ID:				Seq: 16		13:36:40	20 Nov 12	HG
				460-47205-E-24-A				
Hg	-.028	ppb	.000	-.028				
*** Sample ID:				Seq: 17		13:38:35	20 Nov 12	HG
				460-47276-E-2-B				
Hg	.069	ppb	.000	.069				
*** Sample ID:				Seq: 18		13:40:31	20 Nov 12	HG
				460-47222-D-2-B				
Hg	.094	ppb	.000	.094				
*** Check Standard: 2	Ck2ACCV			Seq: 19		13:42:17	20 Nov 12	HG
Line Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg	99.3	4.97	5.00	ppb	.000			
*** Check Standard: 1	Ck1ICB/CCB			Seq: 20		13:44:02	20 Nov 12	HG
Line Flag	Found Range(+/-)	Units	SD/RSD					
Hg	-.039	.200	ppb	.000				
*** Sample ID:				Seq: 21		13:45:46	20 Nov 12	HG
				460-47222-D-3-B				
Hg	.153	ppb	.000	.153				
*** Sample ID:				Seq: 22		13:47:33	20 Nov 12	HG
				460-47222-D-4-B				
Hg	.390	ppb	.000	.390				
*** Sample ID:				Seq: 23		13:49:17	20 Nov 12	HG
				460-47222-D-5-B				
Hg	.006	ppb	.000	.006				
*** Sample ID:				Seq: 24		13:51:13	20 Nov 12	HG
				460-47222-C-6-B				
Hg	.014	ppb	.000	.014				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 25		13:52:57	20 Nov 12	HG
				460-47262-E-8-A				
Hg	-.061	ppb	.000	-.061				
*** Sample ID:				Seq: 26		13:54:46	20 Nov 12	HG
				460-47262-E-9-A				
Hg	.032	ppb	.000	.032				
*** Sample ID:				Seq: 27		13:56:50	20 Nov 12	HG
				460-47262-E-10-A				
Hg	-.031	ppb	.000	-.031				
*** Sample ID:				Seq: 28		13:58:39	20 Nov 12	HG
				460-47262-E-11-A				
Hg	.002	ppb	.000	.002				
*** Sample ID:				Seq: 29		14:00:24	20 Nov 12	HG
				460-47263-A-1-B				
Hg	.000	ppb	.000	.000				
*** Check Standard: 2	Ck2ACCV			Seq: 30		14:02:28	20 Nov 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.0	4.90	5.00	ppb	.000		
*** Check Standard: 1	Ck1ICB/CCB			Seq: 31		14:04:24	20 Nov 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.086	.200	ppb	.000			
*** Sample ID:				Seq: 32		14:06:11	20 Nov 12	HG
				460-47273-H-1-A				
Hg	.049	ppb	.000	.049				
*** Sample ID:				Seq: 33		14:07:56	20 Nov 12	HG
				460-47277-D-1-A				
Hg	.030	ppb	.000	.030				
*** Sample ID:				Seq: 34		14:09:51	20 Nov 12	HG
				460-47277-D-2-A				
Hg	.011	ppb	.000	.011				
*** Sample ID:				Seq: 35		14:11:37	20 Nov 12	HG
				460-47277-D-3-A				
Hg	.014	ppb	.000	.014				
*** Sample ID:				Seq: 36		14:13:25	20 Nov 12	HG
				460-47277-D-4-A				
Hg	.050	ppb	.000	.050				

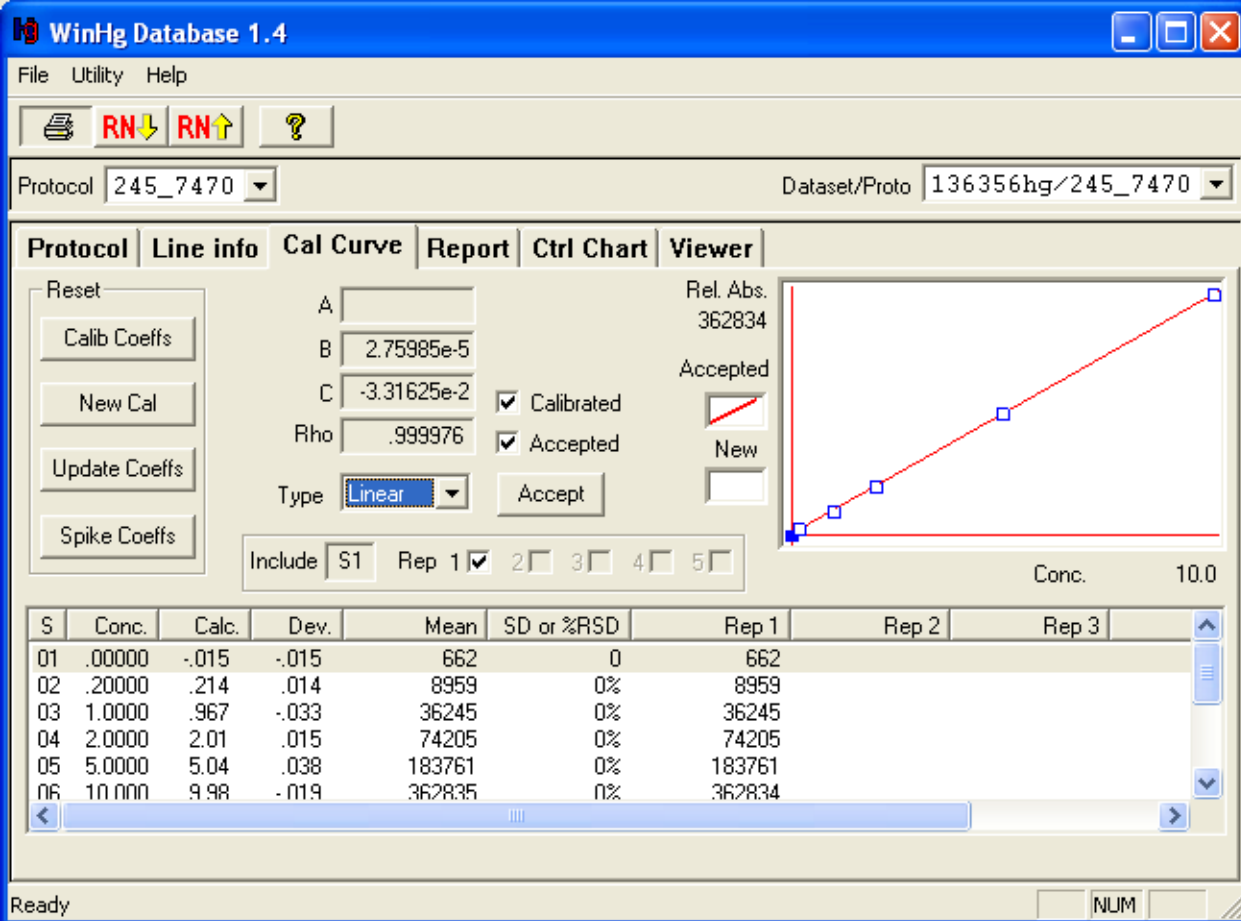
Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 37		14:15:23	20 Nov 12	HG
				460-47307-C-1-A				
Hg	-.028	ppb	.000	-.028				
*** Sample ID:				Seq: 38		14:17:18	20 Nov 12	HG
				460-47307-F-3-A				
Hg	.062	ppb	.000	.062				
*** Sample ID:				Seq: 39		14:19:02	20 Nov 12	HG
				sd 460-47222-D-1-D@5				
Hg	-.002	ppb	.000	-.002				
*** Sample ID:				Seq: 40		14:21:09	20 Nov 12	HG
				MB 460-136356/1-A				
Hg	.004	ppb	.000	.004				
*** Check Standard: 2	Ck2ACCV			Seq: 41		14:23:05	20 Nov 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		97.4	4.87	5.00	ppb	.000		
*** Check Standard: 1	Ck1ICB/CCB			Seq: 42		14:25:01	20 Nov 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.074	.200	ppb	.000			
*** Sample ID:				Seq: 43		14:40:41	20 Nov 12	HG
				MB 460-136359/1-A				
Hg	-.005	ppb	.000	-.005				
*** Sample ID:				Seq: 44		14:42:26	20 Nov 12	HG
				LCS 460-136359/2-A				
Hg	5.12	ppb	.000	5.12				
*** Sample ID:				Seq: 45		14:44:25	20 Nov 12	HG
				460-47197-A-1-B				
Hg	-.098	ppb	.000	-.098				
*** Sample ID:				Seq: 46		14:46:21	20 Nov 12	HG
				460-47197-A-1-C DU				
Hg	.078	ppb	.000	.078				
*** Sample ID:				Seq: 47		14:48:09	20 Nov 12	HG
				460-47197-A-1-D MS				
Hg	5.33	ppb	.000	5.33				
*** Sample ID:				Seq: 48		14:50:14	20 Nov 12	HG
				460-47180-A-1-K				
Hg	.064	ppb	.000	.064				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 49		14:52:01	20 Nov 12	HG
				460-47186-A-1-C				
Hg	-.012	ppb	.000	-.012				
*** Sample ID:				Seq: 50		14:53:47	20 Nov 12	HG
				460-47198-A-2-H				
Hg	-.064	ppb	.000	-.064				
*** Sample ID:				Seq: 51		14:55:33	20 Nov 12	HG
				460-47082-A-1-L				
Hg	.024	ppb	.000	.024				
*** Check Standard: 2	Ck2ACCV			Seq: 52		14:57:29	20 Nov 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.0	4.95	5.00	ppb	.000		
*** Check Standard: 1	Ck1ICB/CCB			Seq: 53		14:59:25	20 Nov 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.071	.200	ppb	.000			
*** Sample ID:				Seq: 54		15:01:19	20 Nov 12	HG
				460-47148-A-1-F				
Hg	-.007	ppb	.000	-.007				
*** Sample ID:				Seq: 55		15:03:09	20 Nov 12	HG
				460-47148-H-2-I				
Hg	-.039	ppb	.000	-.039				
*** Sample ID:				Seq: 56		15:05:00	20 Nov 12	HG
				460-47126-A-1-K				
Hg	-.008	ppb	.000	-.008				
*** Sample ID:				Seq: 57		15:06:58	20 Nov 12	HG
				LB 460-136257/1-C				
Hg	.006	ppb	.000	.006				
*** Sample ID:				Seq: 58		15:08:45	20 Nov 12	HG
				LB 460-135981/1-H				
Hg	.021	ppb	.000	.021				
*** Sample ID:				Seq: 59		15:10:46	20 Nov 12	HG
				LB 460-135948/1-F				
Hg	-.028	ppb	.000	-.028				
*** Sample ID:				Seq: 60		15:12:45	20 Nov 12	HG
				LB 460-136235/1-C				
Hg	-.055	ppb	.000	-.055				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:								
				Seq: 61	15:14:31	20	Nov	12
				sd 460-47197-A-1-B@5				HG
Hg	-.053	ppb	.000	-.053				
*** Check Standard: 2 Ck2ACCV								
				Seq: 62	15:16:30	20	Nov	12
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		97.1	4.85	5.00	ppb	.000		
*** Check Standard: 1 Ck1ICB/CCB								
				Seq: 63	15:18:25	20	Nov	12
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.017	.200	ppb	.000			



Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1				Seq: 1		13:07:52	20 Nov 12	HG
Hg	.000	ppb	662					
		Bkgd 1	7102925					
*** Standard: 2 Rep: 1				Seq: 2		13:09:38	20 Nov 12	HG
Hg	.200	ppb	8959					
		Bkgd 1	7097219					
*** Standard: 3 Rep: 1				Seq: 3		13:11:48	20 Nov 12	HG
Hg	1.00	ppb	36245					
		Bkgd 1	7093942					
*** Standard: 4 Rep: 1				Seq: 4		13:13:55	20 Nov 12	HG
Hg	2.00	ppb	74205					
		Bkgd 1	7089456					
*** Standard: 5 Rep: 1				Seq: 5		13:16:10	20 Nov 12	HG
Hg	5.00	ppb	183761					
		Bkgd 1	7090118					
*** Standard: 6 Rep: 1				Seq: 6		13:17:56	20 Nov 12	HG
Hg	10.0	ppb	362834					
		Bkgd 1	7084920					
*** Check Standard: 3			Ck3AICV	Seq: 7		13:19:53	20 Nov 12	HG
Line Flag			Intensities					
Hg			178967					
		Bkgd 1	7083242					
*** Check Standard: 1			Ck1ICB/CCB	Seq: 8		13:21:39	20 Nov 12	HG
Line Flag			Intensities					
Hg			1529					
		Bkgd 1	7081707					
*** Check Standard: 4			Ck4QCS	Seq: 9		13:23:47	20 Nov 12	HG
Line Flag			Intensities					
Hg			178234					
		Bkgd 1	7081230					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

***	Sample ID:			Seq: 10		13:25:45	20 Nov 12	HG
			mcL					
Hg	2.07	ppb	76113					
		Bkgd 1	7079102					
***	Sample ID:			Seq: 11		13:27:29	20 Nov 12	HG
			MB 460-136356/1-A					
Hg	.159	ppb	6949					
		Bkgd 1	7076569					
***	Sample ID:			Seq: 12		13:29:27	20 Nov 12	HG
			LCS 460-136356/2-A					
Hg	1.05	ppb	39324					
		Bkgd 1	7068128					
***	Sample ID:			Seq: 13		13:31:23	20 Nov 12	HG
			460-47222-D-1-D					
Hg	.061	ppb	3416					
		Bkgd 1	7067441					
***	Sample ID:			Seq: 14		13:33:07	20 Nov 12	HG
			460-47222-D-1-E DU					
Hg	.068	ppb	3669					
		Bkgd 1	7067132					
***	Sample ID:			Seq: 15		13:34:55	20 Nov 12	HG
			460-47222-D-1-F MS					
Hg	1.10	ppb	40918					
		Bkgd 1	7063376					
***	Sample ID:			Seq: 16		13:36:40	20 Nov 12	HG
			460-47205-E-24-A					
Hg	-.028	ppb	189					
		Bkgd 1	7059940					
***	Sample ID:			Seq: 17		13:38:35	20 Nov 12	HG
			460-47276-E-2-B					
Hg	.069	ppb	3706					
		Bkgd 1	7059384					
***	Sample ID:			Seq: 18		13:40:31	20 Nov 12	HG
			460-47222-D-2-B					
Hg	.094	ppb	4603					
		Bkgd 1	7058945					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 2			Ck2ACCV	Seq: 19		13:42:17	20 Nov 12	HG
Line Flag			Intensities					
Hg			181173					
		Bkgd 1	7055983					
*** Check Standard: 1			Ck1ICB/CCB	Seq: 20		13:44:02	20 Nov 12	HG
Line Flag			Intensities					
Hg			-213					
		Bkgd 1	7053108					
*** Sample ID:				Seq: 21		13:45:46	20 Nov 12	HG
				460-47222-D-3-B				
Hg	.153	ppb	6762					
		Bkgd 1	7051171					
*** Sample ID:				Seq: 22		13:47:33	20 Nov 12	HG
				460-47222-D-4-B				
Hg	.390	ppb	15343					
		Bkgd 1	7047414					
*** Sample ID:				Seq: 23		13:49:17	20 Nov 12	HG
				460-47222-D-5-B				
Hg	.006	ppb	1406					
		Bkgd 1	7034178					
*** Sample ID:				Seq: 24		13:51:13	20 Nov 12	HG
				460-47222-C-6-B				
Hg	.014	ppb	1696					
		Bkgd 1	7034753					
*** Sample ID:				Seq: 25		13:52:57	20 Nov 12	HG
				460-47262-E-8-A				
Hg	-.061	ppb	-1004					
		Bkgd 1	7032901					
*** Sample ID:				Seq: 26		13:54:46	20 Nov 12	HG
				460-47262-E-9-A				
Hg	.032	ppb	2356					
		Bkgd 1	7035472					
*** Sample ID:				Seq: 27		13:56:50	20 Nov 12	HG
				460-47262-E-10-A				
Hg	-.031	ppb	74					
		Bkgd 1	7034369					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 28		13:58:39	20 Nov 12	HG
				460-47262-E-11-A				
Hg	.002	ppb	1274					
		Bkgd 1	7037007					
*** Sample ID:				Seq: 29		14:00:24	20 Nov 12	HG
				460-47263-A-1-B				
Hg	.000	ppb	1219					
		Bkgd 1	7034248					
*** Check Standard: 2			Ck2ACCV	Seq: 30		14:02:28	20 Nov 12	HG
Line Flag			Intensities					
Hg			178765					
		Bkgd 1	7032424					
*** Check Standard: 1			Ck1ICB/CCB	Seq: 31		14:04:24	20 Nov 12	HG
Line Flag			Intensities					
Hg			-1918					
		Bkgd 1	7032063					
*** Sample ID:				Seq: 32		14:06:11	20 Nov 12	HG
				460-47273-H-1-A				
Hg	.049	ppb	2993					
		Bkgd 1	7036202					
*** Sample ID:				Seq: 33		14:07:56	20 Nov 12	HG
				460-47277-D-1-A				
Hg	.030	ppb	2288					
		Bkgd 1	7034985					
*** Sample ID:				Seq: 34		14:09:51	20 Nov 12	HG
				460-47277-D-2-A				
Hg	.011	ppb	1615					
		Bkgd 1	7031875					
*** Sample ID:				Seq: 35		14:11:37	20 Nov 12	HG
				460-47277-D-3-A				
Hg	.014	ppb	1713					
		Bkgd 1	7031583					
*** Sample ID:				Seq: 36		14:13:25	20 Nov 12	HG
				460-47277-D-4-A				
Hg	.050	ppb	3025					
		Bkgd 1	7031907					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 37		14:15:23	20 Nov 12	HG
				460-47307-C-1-A				
Hg	-.028	ppb	190					
		Bkgd 1	7033556					
*** Sample ID:				Seq: 38		14:17:18	20 Nov 12	HG
				460-47307-F-3-A				
Hg	.062	ppb	3445					
		Bkgd 1	7032785					
*** Sample ID:				Seq: 39		14:19:02	20 Nov 12	HG
				sd 460-47222-D-1-D@5				
Hg	-.002	ppb	1138					
		Bkgd 1	7030112					
*** Sample ID:				Seq: 40		14:21:09	20 Nov 12	HG
				MB 460-136356/1-A				
Hg	.004	ppb	1362					
		Bkgd 1	7028654					
*** Check Standard: 2			Ck2ACCV	Seq: 41		14:23:05	20 Nov 12	HG
Line Flag			Intensities					
Hg			177581					
		Bkgd 1	7039407					
*** Check Standard: 1			Ck1ICB/CCB	Seq: 42		14:25:01	20 Nov 12	HG
Line Flag			Intensities					
Hg			-1480					
		Bkgd 1	7035851					
*** Sample ID:				Seq: 43		14:40:41	20 Nov 12	HG
				MB 460-136359/1-A				
Hg	-.005	ppb	1037					
		Bkgd 1	7035652					
*** Sample ID:				Seq: 44		14:42:26	20 Nov 12	HG
				LCS 460-136359/2-A				
Hg	5.12	ppb	186616					
		Bkgd 1	7033684					
*** Sample ID:				Seq: 45		14:44:25	20 Nov 12	HG
				460-47197-A-1-B				
Hg	-.098	ppb	-2365					
		Bkgd 1	7035942					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 46		14:46:21	20 Nov 12	HG
				460-47197-A-1-C DU				
Hg	.078	ppb	4037					
		Bkgd 1	7037633					
*** Sample ID:				Seq: 47		14:48:09	20 Nov 12	HG
				460-47197-A-1-D MS				
Hg	5.33	ppb	194147					
		Bkgd 1	7032455					
*** Sample ID:				Seq: 48		14:50:14	20 Nov 12	HG
				460-47180-A-1-K				
Hg	.064	ppb	3524					
		Bkgd 1	7033024					
*** Sample ID:				Seq: 49		14:52:01	20 Nov 12	HG
				460-47186-A-1-C				
Hg	-.012	ppb	780					
		Bkgd 1	7031946					
*** Sample ID:				Seq: 50		14:53:47	20 Nov 12	HG
				460-47198-A-2-H				
Hg	-.064	ppb	-1101					
		Bkgd 1	7035300					
*** Sample ID:				Seq: 51		14:55:33	20 Nov 12	HG
				460-47082-A-1-L				
Hg	.024	ppb	2056					
		Bkgd 1	7037097					
*** Check Standard: 2				Seq: 52		14:57:29	20 Nov 12	HG
Line Flag			Ck2ACCV					
Hg			Intensities					
			180549					
		Bkgd 1	7034478					
*** Check Standard: 1				Seq: 53		14:59:25	20 Nov 12	HG
Line Flag			Ck1ICB/CCB					
Hg			Intensities					
			-1365					
		Bkgd 1	7031405					
*** Sample ID:				Seq: 54		15:01:19	20 Nov 12	HG
				460-47148-A-1-F				
Hg	-.007	ppb	949					
		Bkgd 1	7032066					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 55		15:03:09	20 Nov 12	HG
				460-47148-H-2-I				
Hg	-.039	ppb	-218					
		Bkgd 1	7031698					
*** Sample ID:				Seq: 56		15:05:00	20 Nov 12	HG
				460-47126-A-1-K				
Hg	-.008	ppb	899					
		Bkgd 1	7033340					
*** Sample ID:				Seq: 57		15:06:58	20 Nov 12	HG
				LB 460-136257/1-C				
Hg	.006	ppb	1402					
		Bkgd 1	7033162					
*** Sample ID:				Seq: 58		15:08:45	20 Nov 12	HG
				LB 460-135981/1-H				
Hg	.021	ppb	1975					
		Bkgd 1	7033885					
*** Sample ID:				Seq: 59		15:10:46	20 Nov 12	HG
				LB 460-135948/1-F				
Hg	-.028	ppb	203					
		Bkgd 1	7032291					
*** Sample ID:				Seq: 60		15:12:45	20 Nov 12	HG
				LB 460-136235/1-C				
Hg	-.055	ppb	-798					
		Bkgd 1	7030301					
*** Sample ID:				Seq: 61		15:14:31	20 Nov 12	HG
				sd 460-47197-A-1-B@5				
Hg	-.053	ppb	-732					
		Bkgd 1	7029699					
*** Check Standard: 2			Ck2ACCV	Seq: 62		15:16:30	20 Nov 12	HG
Line Flag			Intensities					
Hg			177108					
		Bkgd 1	7029880					
*** Check Standard: 1			Ck1ICB/CCB	Seq: 63		15:18:25	20 Nov 12	HG
Line Flag			Intensities					
Hg			1834					
		Bkgd 1	7032856					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1								
				Seq: 1		13:39:25	26 Nov 12	HG
Hg	.000	ppb	105					
*** Standard: 2 Rep: 1								
				Seq: 2		13:41:14	26 Nov 12	HG
Hg	.200	ppb	6942					
*** Standard: 3 Rep: 1								
				Seq: 3		13:43:01	26 Nov 12	HG
Hg	1.00	ppb	34871					
*** Standard: 4 Rep: 1								
				Seq: 4		13:44:57	26 Nov 12	HG
Hg	2.00	ppb	71879					
*** Standard: 5 Rep: 1								
				Seq: 5		13:46:43	26 Nov 12	HG
Hg	5.00	ppb	173328					
*** Standard: 6 Rep: 1								
				Seq: 6		13:48:38	26 Nov 12	HG
Hg	10.0	ppb	348417					
*** Check Standard: 3 Ck3AICV								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		97.2	4.86	5.00	ppb	.000	13:50:28	26 Nov 12 HG
*** Check Standard: 1 Ck1ICB/CCB								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.055	.200	ppb	.000		13:52:13	26 Nov 12 HG
*** Check Standard: 4 Ck4QCS								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		97.7	4.88	5.00	ppb	.000	13:54:18	26 Nov 12 HG
*** Sample ID:								
				Seq: 10		13:56:13	26 Nov 12	HG
Hg	2.07	ppb	.000	2.07				
*** Sample ID:								
				Seq: 11		13:57:59	26 Nov 12	HG
Hg	-.009	ppb	.000	-.009				
*** Sample ID:								
				Seq: 12		14:00:14	26 Nov 12	HG
Hg	5.19	ppb	.000	5.19				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 13		14:02:19	26 Nov 12	HG
				460-47370-A-7-I				
Hg	.012	ppb	.000	.012				
*** Sample ID:				Seq: 14		14:04:27	26 Nov 12	HG
				460-47370-A-7-J DU				
Hg	.002	ppb	.000	.002				
*** Sample ID:				Seq: 15		14:06:13	26 Nov 12	HG
				460-47370-A-7-K MS				
Hg	5.18	ppb	.000	5.18				
*** Sample ID:				Seq: 16		14:08:08	26 Nov 12	HG
				460-47370-A-14-G				
Hg	-.019	ppb	.000	-.019				
*** Sample ID:				Seq: 17		14:10:05	26 Nov 12	HG
				460-47380-A-1-G				
Hg	.007	ppb	.000	.007				
*** Check Standard: 2	Ck2ACCV			Seq: 18		14:12:09	26 Nov 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.	5.12	5.00	ppb	.000		
*** Check Standard: 1	Ck1ICB/CCB			Seq: 19		14:14:18	26 Nov 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.007	.200	ppb	.000			
*** Sample ID:				Seq: 20		14:16:16	26 Nov 12	HG
				460-47395-A-1-K				
Hg	.006	ppb	.000	.006				
*** Sample ID:				Seq: 21		14:18:12	26 Nov 12	HG
				460-47313-A-1-D				
Hg	.002	ppb	.000	.002				
*** Sample ID:				Seq: 22		14:20:22	26 Nov 12	HG
				460-47383-A-1-M				
Hg	.013	ppb	.000	.013				
*** Sample ID:				Seq: 23		14:22:32	26 Nov 12	HG
				460-47353-A-6-H				
Hg	.001	ppb	.000	.001				
*** Sample ID:				Seq: 24		14:24:15	26 Nov 12	HG
				LB 460-136762/1-F				
Hg	.008	ppb	.000	.008				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

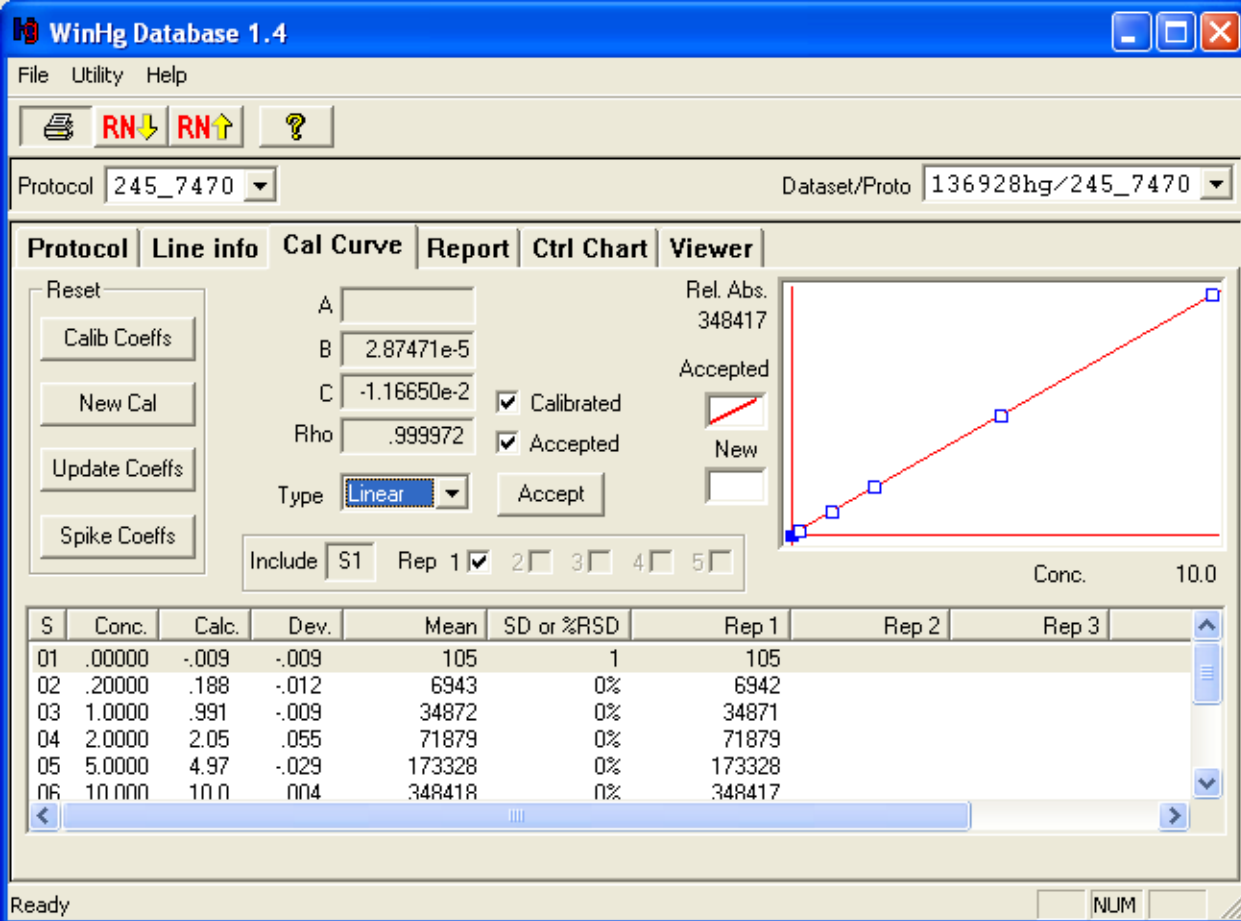
*** Sample ID:				Seq: 25		14:26:05	26 Nov 12	HG
				LB 460-136773/1-F				
Hg	.008	ppb	.000	.008				
*** Sample ID:				Seq: 26		14:28:10	26 Nov 12	HG
				sd 460-47370-A-7-I@5				
Hg	-.007	ppb	.000	-.007				
*** Check Standard: 2	Ck2ACCV			Seq: 27		14:29:56	26 Nov 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		101.	5.05	5.00	ppb	.000		
*** Check Standard: 1	Ck1ICB/CCB			Seq: 28		14:31:41	26 Nov 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.057	.200	ppb	.000			
*** Sample ID:				Seq: 29		14:33:27	26 Nov 12	HG
				MB 460-136937/1-A				
Hg	-.000	ppb	.000	-.000				
*** Sample ID:				Seq: 30		14:35:17	26 Nov 12	HG
				LCS 460-136937/2-A				
Hg	.960	ppb	.000	.960				
*** Sample ID:				Seq: 31		14:37:04	26 Nov 12	HG
				460-47439-E-1-B				
Hg	-.010	ppb	.000	-.010				
*** Sample ID:				Seq: 32		14:39:09	26 Nov 12	HG
				460-47439-E-1-C DU				
Hg	.014	ppb	.000	.014				
*** Sample ID:				Seq: 33		14:40:57	26 Nov 12	HG
				460-47439-E-1-D MS				
Hg	1.03	ppb	.000	1.03				
*** Sample ID:				Seq: 34		14:42:44	26 Nov 12	HG
				460-47452-A-1-B				
Hg	.023	ppb	.000	.023				
*** Check Standard: 2	Ck2ACCV			Seq: 35		14:45:00	26 Nov 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.	5.01	5.00	ppb	.000		
*** Check Standard: 1	Ck1ICB/CCB			Seq: 36		14:46:46	26 Nov 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.049	.200	ppb	.000			

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 37		14:48:30	26 Nov 12	HG
				460-47453-A-1-B				
Hg	.011	ppb	.000	.011				
*** Sample ID:				Seq: 38		14:50:20	26 Nov 12	HG
				460-47422-A-2-B				
Hg	1.19	ppb	.000	1.19				
*** Sample ID:				Seq: 39		14:52:21	26 Nov 12	HG
				460-47439-E-2-C				
Hg	.001	ppb	.000	.001				
*** Sample ID:				Seq: 40		14:54:08	26 Nov 12	HG
				460-47466-D-3-B				
Hg	.028	ppb	.000	.028				
*** Sample ID:				Seq: 41		14:56:04	26 Nov 12	HG
				460-47489-H-2-B				
Hg	.005	ppb	.000	.005				
*** Sample ID:				Seq: 42		14:57:51	26 Nov 12	HG
				sd 460-47439-E-1-B@5				
Hg	.001	ppb	.000	.001				
*** Check Standard: 2	Ck2ACCV			Seq: 43		14:59:51	26 Nov 12	HG
Line Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg	100.	5.01	5.00	ppb	.000			
*** Check Standard: 1	Ck1ICB/CCB			Seq: 44		15:01:47	26 Nov 12	HG
Line Flag	Found Range(+/-)	Units	SD/RSD					
Hg	-.023	.200	ppb	.000				
*** Sample ID:				Seq: 45		15:03:43	26 Nov 12	HG
				MB 460-136940/1-B				
Hg	.004	ppb	.000	.004				
*** Sample ID:				Seq: 46		15:05:28	26 Nov 12	HG
				LCS 460-136946/2-A				
Hg	.981	ppb	.000	.981				
*** Sample ID:				Seq: 47		15:07:18	26 Nov 12	HG
				460-47127-A-3-D				
Hg	-.010	ppb	.000	-.010				
*** Sample ID:				Seq: 48		15:09:21	26 Nov 12	HG
				460-47127-A-3-E DU				
Hg	.002	ppb	.000	.002				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 49		15:11:28	26 Nov 12	HG
				460-47127-A-3-F MS				
Hg	.982	ppb	.000	.982				
*** Sample ID:				Seq: 50		15:13:16	26 Nov 12	HG
				460-47276-D-2-D				
Hg	.005	ppb	.000	.005				
*** Sample ID:				Seq: 51		15:15:31	26 Nov 12	HG
				460-47127-A-5-B				
Hg	.002	ppb	.000	.002				
*** Sample ID:				Seq: 52		15:17:15	26 Nov 12	HG
				460-47127-C-7-B				
Hg	.007	ppb	.000	.007				
*** Sample ID:				Seq: 53		15:19:03	26 Nov 12	HG
				sd 460-47127-A-3-D@5				
Hg	.012	ppb	.000	.012				
*** Check Standard: 2	Ck2ACCV			Seq: 54		15:20:49	26 Nov 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.5	4.98	5.00	ppb	.000		
*** Check Standard: 1	Ck1ICB/CCB			Seq: 55		15:22:35	26 Nov 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.065	.200	ppb	.000			



Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1								
				Seq: 1		13:39:25	26 Nov 12	HG
Hg	.000	ppb	105					
		Bkgd 1	6590194					
*** Standard: 2 Rep: 1								
				Seq: 2		13:41:14	26 Nov 12	HG
Hg	.200	ppb	6942					
		Bkgd 1	6591347					
*** Standard: 3 Rep: 1								
				Seq: 3		13:43:01	26 Nov 12	HG
Hg	1.00	ppb	34871					
		Bkgd 1	6592192					
*** Standard: 4 Rep: 1								
				Seq: 4		13:44:57	26 Nov 12	HG
Hg	2.00	ppb	71879					
		Bkgd 1	6593166					
*** Standard: 5 Rep: 1								
				Seq: 5		13:46:43	26 Nov 12	HG
Hg	5.00	ppb	173328					
		Bkgd 1	6592102					
*** Standard: 6 Rep: 1								
				Seq: 6		13:48:38	26 Nov 12	HG
Hg	10.0	ppb	348417					
		Bkgd 1	6591113					
*** Check Standard: 3								
Line	Flag		Ck3AICV	Seq: 7		13:50:28	26 Nov 12	HG
Hg			Intensities					
			169528					
		Bkgd 1	6587870					
*** Check Standard: 1								
Line	Flag		Ck1ICB/CCB	Seq: 8		13:52:13	26 Nov 12	HG
Hg			Intensities					
			-1495					
		Bkgd 1	6587775					
*** Check Standard: 4								
Line	Flag		Ck4QCS	Seq: 9		13:54:18	26 Nov 12	HG
Hg			Intensities					
			170299					
		Bkgd 1	6589707					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

***	Sample ID:			Seq: 10		13:56:13	26 Nov 12	HG
Hg	2.07	ppb	mcl 72414					
		Bkgd 1	6588513					
***	Sample ID:			Seq: 11		13:57:59	26 Nov 12	HG
Hg	-.009	ppb	MB 460-136928/1-A 88					
		Bkgd 1	6588191					
***	Sample ID:			Seq: 12		14:00:14	26 Nov 12	HG
Hg	5.19	ppb	LCS 460-136928/2-A 180896					
		Bkgd 1	6588412					
***	Sample ID:			Seq: 13		14:02:19	26 Nov 12	HG
Hg	.012	ppb	460-47370-A-7-I 819					
		Bkgd 1	6587395					
***	Sample ID:			Seq: 14		14:04:27	26 Nov 12	HG
Hg	.002	ppb	460-47370-A-7-J DU 476					
		Bkgd 1	6586544					
***	Sample ID:			Seq: 15		14:06:13	26 Nov 12	HG
Hg	5.18	ppb	460-47370-A-7-K MS 180588					
		Bkgd 1	6586811					
***	Sample ID:			Seq: 16		14:08:08	26 Nov 12	HG
Hg	-.019	ppb	460-47370-A-14-G -257					
		Bkgd 1	6585603					
***	Sample ID:			Seq: 17		14:10:05	26 Nov 12	HG
Hg	.007	ppb	460-47380-A-1-G 663					
		Bkgd 1	6586584					
***	Check Standard: 2	Ck2ACCV		Seq: 18		14:12:09	26 Nov 12	HG
Line	Flag		Intensities					
Hg			178398					
		Bkgd 1	6586926					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

***	Check Standard: 1		Ck1ICB/CCB	Seq: 19		14:14:18	26 Nov 12	HG
Line	Flag		Intensities					
Hg			167					
		Bkgd 1	6586313					
***	Sample ID:			Seq: 20		14:16:16	26 Nov 12	HG
			460-47395-A-1-K					
Hg	.006	ppb	616					
		Bkgd 1	6586646					
***	Sample ID:			Seq: 21		14:18:12	26 Nov 12	HG
			460-47313-A-1-D					
Hg	.002	ppb	482					
		Bkgd 1	6586464					
***	Sample ID:			Seq: 22		14:20:22	26 Nov 12	HG
			460-47383-A-1-M					
Hg	.013	ppb	869					
		Bkgd 1	6586092					
***	Sample ID:			Seq: 23		14:22:32	26 Nov 12	HG
			460-47353-A-6-H					
Hg	.001	ppb	428					
		Bkgd 1	6585448					
***	Sample ID:			Seq: 24		14:24:15	26 Nov 12	HG
			LB 460-136762/1-F					
Hg	.008	ppb	689					
		Bkgd 1	6585254					
***	Sample ID:			Seq: 25		14:26:05	26 Nov 12	HG
			LB 460-136773/1-F					
Hg	.008	ppb	680					
		Bkgd 1	6584933					
***	Sample ID:			Seq: 26		14:28:10	26 Nov 12	HG
			sd 460-47370-A-7-I@5					
Hg	-.007	ppb	175					
		Bkgd 1	6584434					
***	Check Standard: 2		Ck2ACCV	Seq: 27		14:29:56	26 Nov 12	HG
Line	Flag		Intensities					
Hg			175910					
		Bkgd 1	6584521					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 1								
Line	Flag		Ck1ICB/CCB	Seq: 28		14:31:41	26 Nov 12	HG
Hg			Intensities					
		Bkgd 1	-1593					
			6582034					
*** Sample ID:								
				Seq: 29		14:33:27	26 Nov 12	HG
			MB 460-136937/1-A					
Hg	-.000	ppb	392					
		Bkgd 1	6584192					
*** Sample ID:								
				Seq: 30		14:35:17	26 Nov 12	HG
			LCS 460-136937/2-A					
Hg	.960	ppb	33800					
		Bkgd 1	6584358					
*** Sample ID:								
				Seq: 31		14:37:04	26 Nov 12	HG
			460-47439-E-1-B					
Hg	-.010	ppb	57					
		Bkgd 1	6583809					
*** Sample ID:								
				Seq: 32		14:39:09	26 Nov 12	HG
			460-47439-E-1-C DU					
Hg	.014	ppb	905					
		Bkgd 1	6584372					
*** Sample ID:								
				Seq: 33		14:40:57	26 Nov 12	HG
			460-47439-E-1-D MS					
Hg	1.03	ppb	36143					
		Bkgd 1	6583285					
*** Sample ID:								
				Seq: 34		14:42:44	26 Nov 12	HG
			460-47452-A-1-B					
Hg	.023	ppb	1191					
		Bkgd 1	6582638					
*** Check Standard: 2								
Line	Flag		Ck2ACCV	Seq: 35		14:45:00	26 Nov 12	HG
Hg			Intensities					
		Bkgd 1	174615					
			6581947					
*** Check Standard: 1								
Line	Flag		Ck1ICB/CCB	Seq: 36		14:46:46	26 Nov 12	HG
Hg			Intensities					
		Bkgd 1	-1315					
			6578823					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 37		14:48:30	26 Nov 12	HG
				460-47453-A-1-B				
Hg	.011	ppb	792					
		Bkgd 1	6580925					
*** Sample ID:				Seq: 38		14:50:20	26 Nov 12	HG
				460-47422-A-2-B				
Hg	1.19	ppb	41820					
		Bkgd 1	6580788					
*** Sample ID:				Seq: 39		14:52:21	26 Nov 12	HG
				460-47439-E-2-C				
Hg	.001	ppb	457					
		Bkgd 1	6580611					
*** Sample ID:				Seq: 40		14:54:08	26 Nov 12	HG
				460-47466-D-3-B				
Hg	.028	ppb	1388					
		Bkgd 1	6580360					
*** Sample ID:				Seq: 41		14:56:04	26 Nov 12	HG
				460-47489-H-2-B				
Hg	.005	ppb	579					
		Bkgd 1	6580220					
*** Sample ID:				Seq: 42		14:57:51	26 Nov 12	HG
				sd 460-47439-E-1-B@5				
Hg	.001	ppb	441					
		Bkgd 1	6580099					
*** Check Standard: 2			Ck2ACCV	Seq: 43		14:59:51	26 Nov 12	HG
Line Flag			Intensities					
Hg			174695					
		Bkgd 1	6579903					
*** Check Standard: 1			Ck1ICB/CCB	Seq: 44		15:01:47	26 Nov 12	HG
Line Flag			Intensities					
Hg			-384					
		Bkgd 1	6579416					
*** Sample ID:				Seq: 45		15:03:43	26 Nov 12	HG
				MB 460-136940/1-B				
Hg	.004	ppb	556					
		Bkgd 1	6580540					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 46	15:05:28	26 Nov 12	HG	
				LCS 460-136946/2-A				
Hg	.981	ppb	34537					
		Bkgd 1	6580679					
*** Sample ID:				Seq: 47	15:07:18	26 Nov 12	HG	
				460-47127-A-3-D				
Hg	-.010	ppb	61					
		Bkgd 1	6580020					
*** Sample ID:				Seq: 48	15:09:21	26 Nov 12	HG	
				460-47127-A-3-E DU				
Hg	.002	ppb	469					
		Bkgd 1	6580765					
*** Sample ID:				Seq: 49	15:11:28	26 Nov 12	HG	
				460-47127-A-3-F MS				
Hg	.982	ppb	34583					
		Bkgd 1	6581197					
*** Sample ID:				Seq: 50	15:13:16	26 Nov 12	HG	
				460-47276-D-2-D				
Hg	.005	ppb	571					
		Bkgd 1	6580405					
*** Sample ID:				Seq: 51	15:15:31	26 Nov 12	HG	
				460-47127-A-5-B				
Hg	.002	ppb	489					
		Bkgd 1	6580622					
*** Sample ID:				Seq: 52	15:17:15	26 Nov 12	HG	
				460-47127-C-7-B				
Hg	.007	ppb	646					
		Bkgd 1	6580959					
*** Sample ID:				Seq: 53	15:19:03	26 Nov 12	HG	
				sd 460-47127-A-3-D@5				
Hg	.012	ppb	824					
		Bkgd 1	6580862					
*** Check Standard: 2				Seq: 54	15:20:49	26 Nov 12	HG	
Line Flag				Ck2ACCV Intensities				
Hg				173505				
		Bkgd 1	6580705					

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

***	Check	Standard: 1	Ck1ICB/CCB	Seq: 55	15:22:35	26	Nov 12	HG
Line	Flag		Intensities					
Hg			-1845					
		Bkgd 1	6577456					

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Batch Number: 136316 Batch Start Date: 11/20/12 07:39 Batch Analyst: Chen, MandiBatch Method: 3010A Batch End Date: 11/20/12 12:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_LCS-int 00034			
MB 460-136316/1		3010A, 6010B		50 mL	50 mL				
LCS 460-136316/2		3010A, 6010B		50 mL	50 mL	1 mL			
460-47222-D-1 DU		3010A, 6010B	T	50 mL	50 mL				
460-47222-D-1 MS		3010A, 6010B	T	50 mL	50 mL	1 mL			
460-47276-E-2	WG-17338-111612- MW37-CG-269	3010A, 6010B	T	50 mL	50 mL				

Batch Notes	
Batch Comment	1:1 HCL LOT#MPR214, 1:1 HNO3 LOT MPR212
Filter Paper Lot Number	09-790F
Lot # of hydrochloric acid	L14012
Lot # of Nitric Acid	L08022
Hot Block ID number	2
Oven, Bath or Block Temperature 1	94 corr, 96 uncorr Degrees C
Pipette ID	25
ID number of the thermometer	icp-2
Digestion Tube/Cup Lot #	149884264

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Batch Number: 136906 Batch Start Date: 11/26/12 09:01 Batch Analyst: Chen, MandiBatch Method: 3010A Batch End Date: 11/26/12 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_LCS-int 00034			
MB 460-136909/1-A		3010A, 6010B		100 mL	100 mL				
LCS 460-136906/2		3010A, 6010B		100 mL	100 mL	2 mL			
460-47149-B-1		3010A, 6010B	D	100 mL	100 mL				
DU 460-47149-J-1		3010A, 6010B	D	100 mL	100 mL	2 mL			
MS 460-47276-D-2-A	WG-17338-111612- MW37-CG-269	3010A, 6010B	D	100 mL	100 mL				

Batch Notes	
Batch Comment	1:1 HCL LOT MPR 214
First End time	14pm
Lot # of Nitric Acid	L08022
Hot Block ID number	5
Oven, Bath or Block Temperature 1	96 uncorr, 95 corr Degrees C
Pipette ID	25
First Start time	9am
ID number of the thermometer	ICP - 3 [CF -1]
Digestion Tube/Cup Lot #	MF06LKK01-2297-BB

Basis	Basis Description
D	Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Batch Number: 136909 Batch Start Date: 11/26/12 09:10 Batch Analyst: Chen, MandiBatch Method: FILTRATION Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 460-136909/1		FILTRATION, 3010A, 6010B		100 mL	100 mL				
460-47276-D-2	WG-17338-111612- MW37-CG-269	FILTRATION, 3010A, 6010B	D	100 mL	100 mL				

Batch Notes	

Basis	Basis Description
D	Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Batch Number: 136356 Batch Start Date: 11/20/12 10:30 Batch Analyst: Sheikh, Razia BBatch Method: 7470A Batch End Date: 11/20/12 12:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 00981			
MB 460-136356/1		7470A, 7470A		30 mL	30 mL				
LCS 460-136356/2		7470A, 7470A		30 mL	30 mL	0.3 mL			
460-47222-D-1 DU		7470A, 7470A	T	30 mL	30 mL				
460-47222-D-1 MS		7470A, 7470A	T	30 mL	30 mL	0.3 mL			
460-47276-E-2	WG-17338-111612- MW37-CG-269	7470A, 7470A	T	30 mL	30 mL				
ICV 460-136356/31		7470A, 7470A		100 mL	100 mL	5 mL			
CCV 460-136356/33		7470A, 7470A		100 mL	100 mL	5 mL			

Batch Notes	
Hydroxylamine Hydrochloride Lot	hgr01549
Sulfuric Acid Lot Number	0000020228
Lot # of hydrochloric acid	hgr01546
Lot # of Nitric Acid	108022
Hood ID or number	2
Hot Block ID number	9
Potassium Persulfate Lot Number	hgr01554
Potassium Permanganate Lot Number	hgr01551
NaCl Lot #	hgr01549
Pipette ID	3
Stannous Chloride Lot Number	hgr01547
Temperature	96 uncorr,95corr Degrees C
ID number of the thermometer	prep-1(cf-1)
Digestion Tube/Cup Lot #	149884-264

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Batch Number: 136928 Batch Start Date: 11/26/12 11:00 Batch Analyst: Sheikh, Razia BBatch Method: 7470A Batch End Date: 11/26/12 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 00986			
ICV 460-136928/20		7470A, 7470A		100 mL	100 mL	5 mL			
CCV 460-136928/22		7470A, 7470A		100 mL	100 mL	5 mL			

Batch Notes	
Hydroxylamine Hydrochloride Lot	hgr01549
Sulfuric Acid Lot Number	0000020228
Lot # of hydrochloric acid	hgr01559
Lot # of Nitric Acid	108022
Hood ID or number	2
Hot Block ID number	9
Potassium Persulfate Lot Number	hgr01557
Potassium Permanganate Lot Number	hgr01558
NaCL Lot #	hgr01549
Pipette ID	3
Stannous Chloride Lot Number	hgr01560
Temperature	96 uncorr, 95 corr Celsius
ID number of the thermometer	prep-1(cf-1)
Digestion Tube/Cup Lot #	149884-264

Basis	Basis Description

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Batch Number: 136940 Batch Start Date: 11/26/12 10:45 Batch Analyst: Sheikh, Razia BBatch Method: FILTRATION Batch End Date: 11/26/12 11:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 460-136940/1		FILTRATION, 7470A, 7470A		30 mL	30 mL				
460-47127-A-3 DU		FILTRATION, 7470A, 7470A	D	30 mL	30 mL				
460-47127-A-3 MS		FILTRATION, 7470A, 7470A	D	30 mL	30 mL				
460-47276-D-2	WG-17338-111612- MW37-CG-269	FILTRATION, 7470A, 7470A	D	30 mL	30 mL				

Batch Notes	
Filter Lot #	1060248
Lot # of Nitric Acid	108022

Basis	Basis Description
D	Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-47276-1

SDG No.: _____

Batch Number: 136946 Batch Start Date: 11/26/12 11:00 Batch Analyst: Sheikh, Razia BBatch Method: 7470A Batch End Date: 11/26/12 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 00986			
MB 460-136940/1-A		7470A, 7470A		30 mL	30 mL				
LCS 460-136946/2		7470A, 7470A		30 mL	30 mL	0.3 mL			
460-47127-A-3-B DU		7470A, 7470A	D	30 mL	30 mL				
460-47127-A-3-C MS		7470A, 7470A	D	30 mL	30 mL	0.3 mL			
460-47276-D-2-C	WG-17338-111612- MW37-CG-269	7470A, 7470A	D	30 mL	30 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	hgr01549
Sulfuric Acid Lot Number	0000020228
Lot # of hydrochloric acid	hgr01559
Lot # of Nitric Acid	108022
Hood ID or number	2
Hot Block ID number	9
Potassium Persulfate Lot Number	hgr01557
Potassium Permanganate Lot Number	hgr01558
NaCL Lot #	hgr01549
Pipette ID	3
Stannous Chloride Lot Number	hgr01560
Temperature	96 uncorr, 95 corr Degrees C
ID number of the thermometer	prep-1(cf-1)
Digestion Tube/Cup Lot #	149884-264

Basis	Basis Description
D	Dissolved

Shipping and Receiving Documents



CONESTOGA-ROVERS
& ASSOCIATES

CHAIN OF CUSTODY RECORD

Address: 416 Eagleview Blvd, Suite

Phone: _____

Fax: _____

47276

COC NO.: 29453

PAGE 1

(See Reverse Side for Instructions)

Project No/Phase/Task Code:

G17336

Laboratory Name:

TEST AMERICA, EDISON, NJ

Lab Location:

EDISON, NJ

SSOW ID:

11/30/2012

Lab Contact:

Lab Quote No:

Cooler No:

Project Name:

WILMINGTON, DE

Project Location:

Chemistry Contact:

CHEM BACTON 716-856-2112

SAMPLE TYPE

CONTAINER QUANTITY & PRESERVATION

ANALYSIS REQUESTED (See Back of COC for Definitions)

Carrier:

Airbill No:

Date Shipped:

COMMENTS/SPECIAL INSTRUCTIONS:

Sampler(s):

C. GRAYBER, E. PINO

SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)

DATE (mm/dd/yy)

TIME (hr:mm)

Matrix Code (see back of COC)

Grab (G) or Comp (C)

Unpreserved

Hydrochloric Acid (HCl)

Nitric Acid (HNO₃)

Sulfuric Acid (H₂SO₄)

Sodium Hydroxide (NaOH)

Methanol/Water (Soil VOC)

EnCores 3x5-g, 1x25-g

Other:

Total Containers/Sample

VOC

SVOC

TOTAL METALS

DISSOLVED METALS

MS/MSD Request

MS/MSD Request

MS/MSD Request

MS/MSD Request

MS/MSD Request

MS/MSD Request

MS/MSD Request

MS/MSD Request

MS/MSD Request

MS/MSD Request

MS/MSD Request

MS/MSD Request

MS/MSD Request

MS/MSD Request

TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☐ 2 Days ☐ 3 Days ☒ 1 Week ☐ 2 Week ☐ Other:

Total Number of Containers:

All Samples in Cooler must be on COC

Notes/ Special Requirements:

Temp 2° / 2.4° IR #4

RELINQUISHED BY

COMPANY

DATE

TIME

RECEIVED BY

COMPANY

DATE

TIME

Carla Byrd

CRA

4/16/12

1630

1.

2.

Carla Byrd

CRA

4/16/12

1630

1.

2.

Carla Byrd

CRA

4/16/12

1630

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2.

Carla Byrd

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4/16/12

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Carla Byrd

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4/16/12

1630

1.

2.

Carla Byrd

CRA

4/16/12

1630

1.

2.

Distribution:

WHITE - Fully Executed Copy (CRA)

YELLOW - Receiving Laboratory Copy

PINK - Shipper

- Sampling Crew

CRA Form: COC-108 (2011-03-04)

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETE

5-Day
RUSH

pH Log

Job Number:

47876

Temp. Cooler #3 (Deg C)	Temp. Cooler #6 (Deg C)	Temp. Cooler #8 (Deg C)
(Raw/Corrected)	(Raw/Corrected)	(Raw/Corrected)

[illegible]

Sample No(s). adjusted:

Preservative Name/Conc.:

Volume of Preservative used (ml):

Lot # of Preservative:

Expiration Date:

* Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Initials:

Ch

Date:

11/19/2022

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-47276-1

Login Number: 47276

List Source: TestAmerica Edison

List Number: 1

Creator: Meyers, Gary

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4 ° C IR #4
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.