

ANALYTICAL REPORT

Job Number: 460-44765-1

Job Description: 17338-TO4-2012, GM Wilmington

For:

Conestoga-Rovers & Associates, Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, NY 14304
Attention: Ms. Sue Scrocchi



Approved for release.
Jannel O Franklin
Project Manager I
9/28/2012 3:33 PM

Designee for
Jamie Capaci
Project Manager I
jamie.capaci@testamericainc.com
09/28/2012

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

TestAmerica Laboratories, Inc.

TestAmerica Edison 777 New Durham Road, Edison, NJ 08817
Tel (732) 549-3900 Fax (732) 549-3679 www.testamericainc.com



Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Sample Summary	6
Executive Summary	7
Method Summary	10
Method / Analyst Summary	11
Sample Datasheets	12
Surrogate Summary	37
QC Data Summary	38
Data Qualifiers	61
QC Association Summary	62
Lab Chronicle	66
Organic Sample Data	71
GC/MS Semi VOA	71
Method 8270 DEL	71
Method 8270 DEL QC Summary	72
Method 8270 DEL Sample Data	81
Standards Data	111
Method 8270 DEL ICAL Data	111
Method 8270 DEL CCAL Data	150
Raw QC Data	159
Method 8270 DEL Tune Data	159
Method 8270 DEL Blank Data	163
Method 8270 DEL LCS/LCSD Data	170
Method 8270 DEL Run Logs	184

Table of Contents

Method 8270 DEL Prep Data	186
Inorganic Sample Data	190
Metals Data	190
Met Cover Page	191
Met Sample Data	192
Met QC Data	202
Met ICV/CCV	202
Met Blanks	211
Met ICSA/ICSAB	220
Met MS/MSD/PDS	226
Met Dup/Trip	232
Met LCS/LCSD	236
Met Serial Dilution	240
Met MDL	244
Met Preparation Log	252
Met Analysis Run Log	256
Met Raw Data	279
Met Prep Data	1096
Shipping and Receiving Documents	1105
Client Chain of Custody	1106
Sample Receipt Checklist	1108

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 17338-TO4-2012, GM Wilmington

Report Number: 460-44765-1

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 09/18/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.2 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

Samples 460-44765-1 through 460-44765-5 were analyzed for Dissolved metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 09/24/2012.

No difficulties were encountered during the dissolved metals analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS

Samples 460-44765-1 through 460-44765-5 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 09/21/2012.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

DISSOLVED MERCURY

Samples 460-44765-1 through 460-44765-5 were analyzed for dissolved mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 09/21/2012.

No difficulties were encountered during the dissolved mercury analyses.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples 460-44765-1 through 460-44765-5 were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 09/19/2012.

No difficulties were encountered during the Hg analyses.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 460-44765-1 through 460-44765-5 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 09/20/2012 and analyzed on 09/26/2012.

No difficulties were encountered during the semivolatiles analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-44765-1	SW-17338-091712-SW5-MM-20 0	Water	09/17/2012 0940	09/18/2012 1840
460-44765-2	SW-17338-091712-SW4-MM-20 1	Water	09/17/2012 1050	09/18/2012 1840
460-44765-3	SW-17338-091712-SW3-MM-20 2	Water	09/17/2012 1120	09/18/2012 1840
460-44765-4	SW-17338-091712-SW2-MM-20 3	Water	09/17/2012 1245	09/18/2012 1840
460-44765-5	SW-17338-091712-SW1-MM-20 4	Water	09/17/2012 1345	09/18/2012 1840

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-44765-1	SW-17338-091712-SW5-MM-200					
Barium		148	J	200	ug/L	6010B
Calcium		35000		5000	ug/L	6010B
Iron		382		150	ug/L	6010B
Magnesium		18000		5000	ug/L	6010B
Manganese		63.6		15.0	ug/L	6010B
Potassium		3830	J	5000	ug/L	6010B
Sodium		42600		5000	ug/L	6010B
Zinc		43.5		30.0	ug/L	6010B
<i>Dissolved</i>						
Zinc		32.2		30.0	ug/L	6010B
Sodium		39700		5000	ug/L	6010B
Potassium		3780	J	5000	ug/L	6010B
Barium		137	J	200	ug/L	6010B
Calcium		34800		5000	ug/L	6010B
Iron		331		150	ug/L	6010B
Magnesium		16900		5000	ug/L	6010B
Manganese		53.2		15.0	ug/L	6010B
460-44765-2	SW-17338-091712-SW4-MM-201					
Barium		141	J	200	ug/L	6010B
Calcium		32600		5000	ug/L	6010B
Iron		364		150	ug/L	6010B
Magnesium		17000		5000	ug/L	6010B
Manganese		55.8		15.0	ug/L	6010B
Potassium		3700	J	5000	ug/L	6010B
Sodium		40700		5000	ug/L	6010B
Zinc		40.0		30.0	ug/L	6010B
<i>Dissolved</i>						
Zinc		55.8		30.0	ug/L	6010B
Sodium		42100		5000	ug/L	6010B
Potassium		3900	J	5000	ug/L	6010B
Barium		145	J	200	ug/L	6010B
Calcium		34100		5000	ug/L	6010B
Iron		576		150	ug/L	6010B
Magnesium		16900		5000	ug/L	6010B
Aluminum		218		200	ug/L	6010B
Manganese		80.1		15.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-44765-3	SW-17338-091712-SW3-MM-202					
Barium		113	J	200	ug/L	6010B
Calcium		32900		5000	ug/L	6010B
Iron		564		150	ug/L	6010B
Magnesium		16200		5000	ug/L	6010B
Manganese		47.4		15.0	ug/L	6010B
Potassium		3440	J	5000	ug/L	6010B
Sodium		30600		5000	ug/L	6010B
Zinc		6.9	J	30.0	ug/L	6010B
<i>Dissolved</i>						
Sodium		30300		5000	ug/L	6010B
Potassium		3580	J	5000	ug/L	6010B
Barium		108	J	200	ug/L	6010B
Calcium		32300		5000	ug/L	6010B
Iron		385		150	ug/L	6010B
Magnesium		15500		5000	ug/L	6010B
Manganese		31.7		15.0	ug/L	6010B
460-44765-4	SW-17338-091712-SW2-MM-203					
Barium		113	J	200	ug/L	6010B
Calcium		33500		5000	ug/L	6010B
Iron		447		150	ug/L	6010B
Magnesium		16600		5000	ug/L	6010B
Manganese		41.3		15.0	ug/L	6010B
Potassium		3550	J	5000	ug/L	6010B
Sodium		32500		5000	ug/L	6010B
<i>Dissolved</i>						
Sodium		31500		5000	ug/L	6010B
Potassium		3650	J	5000	ug/L	6010B
Barium		108	J	200	ug/L	6010B
Calcium		32900		5000	ug/L	6010B
Iron		389		150	ug/L	6010B
Magnesium		15800		5000	ug/L	6010B
Manganese		33.3		15.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-44765-5	SW-17338-091712-SW1-MM-204					
Barium		232		200	ug/L	6010B
Calcium		35100		5000	ug/L	6010B
Iron		317		150	ug/L	6010B
Magnesium		20300		5000	ug/L	6010B
Manganese		76.7		15.0	ug/L	6010B
Potassium		4530	J	5000	ug/L	6010B
Sodium		71600		5000	ug/L	6010B
Zinc		141		30.0	ug/L	6010B
<i>Dissolved</i>						
Zinc		130		30.0	ug/L	6010B
Sodium		71800		5000	ug/L	6010B
Potassium		4680	J	5000	ug/L	6010B
Barium		227		200	ug/L	6010B
Calcium		35800		5000	ug/L	6010B
Iron		161		150	ug/L	6010B
Magnesium		20000		5000	ug/L	6010B
Aluminum		83.2	J	200	ug/L	6010B
Manganese		65.9		15.0	ug/L	6010B

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Semivolatile Organics (GC/MS)	TAL EDI	SW846 8270C	
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: 460-44765-1

Method	Analyst	Analyst ID
SW846 8270C	Crocco, Michael	MC
SW846 6010B	Chang, Churn Der	CDC
SW846 7470A	Staib, Thomas	TS

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW5-MM-200

Lab Sample ID: 460-44765-1

Date Sampled: 09/17/2012 0940

Client Matrix: Water

Date Received: 09/18/2012 1840

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-129427	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-128629	Lab File ID:	z12860.d
Dilution:	1.0			Initial Weight/Volume:	970 mL
Analysis Date:	09/26/2012 0723			Final Weight/Volume:	2 mL
Prep Date:	09/20/2012 1157			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	2.8	U	2.8	10
Benzaldehyde	2.1	U	2.1	10
4-Chloroaniline	2.1	U	2.1	10
Benzo[a]pyrene	0.14	U	0.14	1.0
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

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW5-MM-200

Lab Sample ID: 460-44765-1

Date Sampled: 09/17/2012 0940

Client Matrix: Water

Date Received: 09/18/2012 1840

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-129427	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-128629	Lab File ID:	z12860.d
Dilution:	1.0			Initial Weight/Volume:	970 mL
Analysis Date:	09/26/2012 0723			Final Weight/Volume:	2 mL
Prep Date:	09/20/2012 1157			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diethyl phthalate	3.0	U	3.0	10
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
Hexachlorobenzene	0.30	U	0.30	1.0
Pentachlorophenol	5.5	U	5.5	31
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
Benzo[a]anthracene	0.28	U	0.28	1.0
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
Benzo[b]fluoranthene	0.27	U	0.27	1.0
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)	98		46 - 122
2-Fluorobiphenyl	90		53 - 108
2-Fluorophenol (Surr)	44		10 - 65
Nitrobenzene-d5 (Surr)	88		56 - 112
Phenol-d5 (Surr)	28		10 - 48
Terphenyl-d14 (Surr)	97		50 - 122

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW5-MM-200

Lab Sample ID: 460-44765-1

Date Sampled: 09/17/2012 0940

Client Matrix: Water

Date Received: 09/18/2012 1840

8270C Semivolatile Organics (GC/MS)

Analysis Method: 8270C

Analysis Batch: 460-129427

Instrument ID: BNAMS11

Prep Method: 3510C

Prep Batch: 460-128629

Lab File ID: z12860.d

Dilution: 1.0

Initial Weight/Volume: 970 mL

Analysis Date: 09/26/2012 0723

Final Weight/Volume: 2 mL

Prep Date: 09/20/2012 1157

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: 460-44765-1

Client Sample ID: SW-17338-091712-SW4-MM-201

Lab Sample ID: 460-44765-2

Date Sampled: 09/17/2012 1050

Client Matrix: Water

Date Received: 09/18/2012 1840

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-129427	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-128629	Lab File ID:	z12861.d
Dilution:	1.0			Initial Weight/Volume:	980 mL
Analysis Date:	09/26/2012 0746			Final Weight/Volume:	2 mL
Prep Date:	09/20/2012 1157			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	2.9	U	2.9	10
Phenol	0.83	U	0.83	10
2,4,6-Trichlorophenol	2.4	U	2.4	10
Bis(2-chloroethyl)ether	0.29	U	0.29	1.0
2,4-Dichlorophenol	2.7	U	2.7	10
2-Chlorophenol	2.2	U	2.2	10
2,4-Dinitrotoluene	0.48	U	0.48	2.0
2,2'-oxybis[1-chloropropane]	2.0	U	2.0	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	1.8	U	1.8	10
2-Nitroaniline	5.0	U	5.0	20
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	2.4	U	2.4	10
4-Chlorophenyl phenyl ether	2.6	U	2.6	10
2,4-Dimethylphenol	3.5	U	3.5	10
4-Nitroaniline	5.9	U	5.9	20
4-Nitrophenol	6.8	U	6.8	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	2.0	U	2.0	10
4-Chloroaniline	2.0	U	2.0	10
Benzo[a]pyrene	0.14	U	0.14	1.0
Hexachlorobutadiene	0.58	U	0.58	2.0
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	1.7	U	1.7	10
Dibenz(a,h)anthracene	0.092	U	0.092	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	0.62	U	0.62	2.0
Acenaphthylene	2.8	U	2.8	10
3-Nitroaniline	5.1	U	5.1	20
N-Nitrosodi-n-propylamine	0.26	U	0.26	1.0
Acenaphthene	2.8	U	2.8	10
2,4-Dinitrophenol	5.5	U	5.5	31
Dibenzofuran	2.9	U	2.9	10

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW4-MM-201

Lab Sample ID: 460-44765-2

Date Sampled: 09/17/2012 1050

Client Matrix: Water

Date Received: 09/18/2012 1840

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-129427	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-128629	Lab File ID:	z12861.d
Dilution:	1.0			Initial Weight/Volume:	980 mL
Analysis Date:	09/26/2012 0746			Final Weight/Volume:	2 mL
Prep Date:	09/20/2012 1157			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diethyl phthalate	3.0	U	3.0	10
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
Hexachlorobenzene	0.30	U	0.30	1.0
Pentachlorophenol	5.4	U	5.4	31
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	5.0	U	5.0	20
Benzo[a]anthracene	0.28	U	0.28	1.0
Chrysene	3.2	U	3.2	10
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	10
Di-n-octyl phthalate	1.5	U	1.5	10
Benzo[b]fluoranthene	0.27	U	0.27	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	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	101		46 - 122
2-Fluorobiphenyl	94		53 - 108
2-Fluorophenol (Surr)	43		10 - 65
Nitrobenzene-d5 (Surr)	91		56 - 112
Phenol-d5 (Surr)	27		10 - 48
Terphenyl-d14 (Surr)	99		50 - 122

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW4-MM-201

Lab Sample ID: 460-44765-2

Date Sampled: 09/17/2012 1050

Client Matrix: Water

Date Received: 09/18/2012 1840

8270C Semivolatile Organics (GC/MS)

Analysis Method: 8270C

Analysis Batch: 460-129427

Instrument ID: BNAMS11

Prep Method: 3510C

Prep Batch: 460-128629

Lab File ID: z12861.d

Dilution: 1.0

Initial Weight/Volume: 980 mL

Analysis Date: 09/26/2012 0746

Final Weight/Volume: 2 mL

Prep Date: 09/20/2012 1157

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: 460-44765-1

Client Sample ID: SW-17338-091712-SW3-MM-202

Lab Sample ID: 460-44765-3

Date Sampled: 09/17/2012 1120

Client Matrix: Water

Date Received: 09/18/2012 1840

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-129427	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-128629	Lab File ID:	z12862.d
Dilution:	1.0			Initial Weight/Volume:	950 mL
Analysis Date:	09/26/2012 0810			Final Weight/Volume:	2 mL
Prep Date:	09/20/2012 1157			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	2.9	U	2.9	11
Phenol	0.85	U	0.85	11
2,4,6-Trichlorophenol	2.5	U	2.5	11
Bis(2-chloroethyl)ether	0.29	U	0.29	1.1
2,4-Dichlorophenol	2.7	U	2.7	11
2-Chlorophenol	2.3	U	2.3	11
2,4-Dinitrotoluene	0.49	U	0.49	2.1
2,2'-oxybis[1-chloropropane]	2.1	U	2.1	11
Acetophenone	2.8	U	2.8	11
2-Methylnaphthalene	3.2	U	3.2	11
4-Methylphenol	1.7	U	1.7	11
2-Methylphenol	1.9	U	1.9	11
2-Nitroaniline	5.2	U	5.2	21
Hexachloroethane	0.26	U	0.26	1.1
Nitrobenzene	0.32	U	0.32	1.1
4-Chloro-3-methylphenol	2.6	U	2.6	11
Isophorone	2.8	U	2.8	11
2-Nitrophenol	2.5	U	2.5	11
4-Chlorophenyl phenyl ether	2.6	U	2.6	11
2,4-Dimethylphenol	3.6	U	3.6	11
4-Nitroaniline	6.1	U	6.1	21
4-Nitrophenol	7.1	U	7.1	32
Bis(2-chloroethoxy)methane	2.7	U	2.7	11
Atrazine	3.2	U	3.2	11
Naphthalene	2.8	U	2.8	11
Benzaldehyde	2.1	U	2.1	11
4-Chloroaniline	2.1	U	2.1	11
Benzo[a]pyrene	0.15	U	0.15	1.1
Hexachlorobutadiene	0.60	U	0.60	2.1
Benzo[k]fluoranthene	0.27	U	0.27	1.1
Caprolactam	2.6	U	2.6	11
Carbazole	3.4	U	3.4	11
Hexachlorocyclopentadiene	1.8	U	1.8	11
Dibenz(a,h)anthracene	0.095	U	0.095	1.1
2,4,5-Trichlorophenol	2.7	U	2.7	11
Dimethyl phthalate	2.9	U	2.9	11
2-Chloronaphthalene	2.8	U	2.8	11
Fluoranthene	3.4	U	3.4	11
Fluorene	2.9	U	2.9	11
2,6-Dinitrotoluene	0.64	U	0.64	2.1
Acenaphthylene	2.8	U	2.8	11
3-Nitroaniline	5.3	U	5.3	21
N-Nitrosodi-n-propylamine	0.26	U	0.26	1.1
Acenaphthene	2.8	U	2.8	11
2,4-Dinitrophenol	5.7	U	5.7	32
Dibenzofuran	2.9	U	2.9	11

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW3-MM-202

Lab Sample ID: 460-44765-3

Date Sampled: 09/17/2012 1120

Client Matrix: Water

Date Received: 09/18/2012 1840

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-129427	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-128629	Lab File ID:	z12862.d
Dilution:	1.0			Initial Weight/Volume:	950 mL
Analysis Date:	09/26/2012 0810			Final Weight/Volume:	2 mL
Prep Date:	09/20/2012 1157			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diethyl phthalate	3.1	U	3.1	11
4,6-Dinitro-2-methylphenol	4.9	U	4.9	32
N-Nitrosodiphenylamine	3.1	U	3.1	11
4-Bromophenyl phenyl ether	2.6	U	2.6	11
Hexachlorobenzene	0.31	U	0.31	1.1
Pentachlorophenol	5.6	U	5.6	32
Phenanthrene	3.3	U	3.3	11
Anthracene	2.9	U	2.9	11
Di-n-butyl phthalate	3.1	U	3.1	11
Pyrene	3.1	U	3.1	11
Butyl benzyl phthalate	2.6	U	2.6	11
3,3'-Dichlorobenzidine	5.2	U	5.2	21
Benzo[a]anthracene	0.28	U	0.28	1.1
Chrysene	3.3	U	3.3	11
Bis(2-ethylhexyl) phthalate	2.1	U	2.1	11
Di-n-octyl phthalate	1.6	U	1.6	11
Benzo[b]fluoranthene	0.27	U	0.27	1.1
Indeno[1,2,3-cd]pyrene	0.16	U	0.16	1.1
Benzo[g,h,i]perylene	2.1	U	2.1	11

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	102		46 - 122
2-Fluorobiphenyl	94		53 - 108
2-Fluorophenol (Surr)	44		10 - 65
Nitrobenzene-d5 (Surr)	91		56 - 112
Phenol-d5 (Surr)	28		10 - 48
Terphenyl-d14 (Surr)	103		50 - 122

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW3-MM-202

Lab Sample ID: 460-44765-3

Date Sampled: 09/17/2012 1120

Client Matrix: Water

Date Received: 09/18/2012 1840

8270C Semivolatile Organics (GC/MS)

Analysis Method: 8270C

Analysis Batch: 460-129427

Instrument ID: BNAMS11

Prep Method: 3510C

Prep Batch: 460-128629

Lab File ID: z12862.d

Dilution: 1.0

Initial Weight/Volume: 950 mL

Analysis Date: 09/26/2012 0810

Final Weight/Volume: 2 mL

Prep Date: 09/20/2012 1157

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: 460-44765-1

Client Sample ID: SW-17338-091712-SW2-MM-203

Lab Sample ID: 460-44765-4

Date Sampled: 09/17/2012 1245

Client Matrix: Water

Date Received: 09/18/2012 1840

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-129427	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-128629	Lab File ID:	z12863.d
Dilution:	1.0			Initial Weight/Volume:	990 mL
Analysis Date:	09/26/2012 0834			Final Weight/Volume:	2 mL
Prep Date:	09/20/2012 1157			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	2.8	U	2.8	10
Phenol	0.82	U	0.82	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	5.9	U	5.9	20
4-Nitrophenol	6.8	U	6.8	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	0.58	U	0.58	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	0.091	U	0.091	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	0.62	U	0.62	2.0
Acenaphthylene	2.7	U	2.7	10
3-Nitroaniline	5.1	U	5.1	20
N-Nitrosodi-n-propylamine	0.25	U	0.25	1.0
Acenaphthene	2.7	U	2.7	10
2,4-Dinitrophenol	5.5	U	5.5	30
Dibenzofuran	2.8	U	2.8	10

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW2-MM-203

Lab Sample ID: 460-44765-4

Date Sampled: 09/17/2012 1245

Client Matrix: Water

Date Received: 09/18/2012 1840

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-129427	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-128629	Lab File ID:	z12863.d
Dilution:	1.0			Initial Weight/Volume:	990 mL
Analysis Date:	09/26/2012 0834			Final Weight/Volume:	2 mL
Prep Date:	09/20/2012 1157			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
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	5.4	U	5.4	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	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	100		46 - 122
2-Fluorobiphenyl	98		53 - 108
2-Fluorophenol (Surr)	45		10 - 65
Nitrobenzene-d5 (Surr)	95		56 - 112
Phenol-d5 (Surr)	28		10 - 48
Terphenyl-d14 (Surr)	105		50 - 122

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW2-MM-203

Lab Sample ID: 460-44765-4

Date Sampled: 09/17/2012 1245

Client Matrix: Water

Date Received: 09/18/2012 1840

8270C Semivolatile Organics (GC/MS)

Analysis Method: 8270C

Analysis Batch: 460-129427

Instrument ID: BNAMS11

Prep Method: 3510C

Prep Batch: 460-128629

Lab File ID: z12863.d

Dilution: 1.0

Initial Weight/Volume: 990 mL

Analysis Date: 09/26/2012 0834

Final Weight/Volume: 2 mL

Prep Date: 09/20/2012 1157

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: 460-44765-1

Client Sample ID: SW-17338-091712-SW1-MM-204

Lab Sample ID: 460-44765-5

Date Sampled: 09/17/2012 1345

Client Matrix: Water

Date Received: 09/18/2012 1840

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-129427	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-128629	Lab File ID:	z12864.d
Dilution:	1.0			Initial Weight/Volume:	980 mL
Analysis Date:	09/26/2012 0858			Final Weight/Volume:	2 mL
Prep Date:	09/20/2012 1157			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	2.9	U	2.9	10
Phenol	0.83	U	0.83	10
2,4,6-Trichlorophenol	2.4	U	2.4	10
Bis(2-chloroethyl)ether	0.29	U	0.29	1.0
2,4-Dichlorophenol	2.7	U	2.7	10
2-Chlorophenol	2.2	U	2.2	10
2,4-Dinitrotoluene	0.48	U	0.48	2.0
2,2'-oxybis[1-chloropropane]	2.0	U	2.0	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	1.8	U	1.8	10
2-Nitroaniline	5.0	U	5.0	20
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	2.4	U	2.4	10
4-Chlorophenyl phenyl ether	2.6	U	2.6	10
2,4-Dimethylphenol	3.5	U	3.5	10
4-Nitroaniline	5.9	U	5.9	20
4-Nitrophenol	6.8	U	6.8	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	2.0	U	2.0	10
4-Chloroaniline	2.0	U	2.0	10
Benzo[a]pyrene	0.14	U	0.14	1.0
Hexachlorobutadiene	0.58	U	0.58	2.0
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	1.7	U	1.7	10
Dibenz(a,h)anthracene	0.092	U	0.092	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	0.62	U	0.62	2.0
Acenaphthylene	2.8	U	2.8	10
3-Nitroaniline	5.1	U	5.1	20
N-Nitrosodi-n-propylamine	0.26	U	0.26	1.0
Acenaphthene	2.8	U	2.8	10
2,4-Dinitrophenol	5.5	U	5.5	31
Dibenzofuran	2.9	U	2.9	10

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW1-MM-204

Lab Sample ID: 460-44765-5

Date Sampled: 09/17/2012 1345

Client Matrix: Water

Date Received: 09/18/2012 1840

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-129427	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-128629	Lab File ID:	z12864.d
Dilution:	1.0			Initial Weight/Volume:	980 mL
Analysis Date:	09/26/2012 0858			Final Weight/Volume:	2 mL
Prep Date:	09/20/2012 1157			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diethyl phthalate	3.0	U	3.0	10
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
Hexachlorobenzene	0.30	U	0.30	1.0
Pentachlorophenol	5.4	U	5.4	31
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	5.0	U	5.0	20
Benzo[a]anthracene	0.28	U	0.28	1.0
Chrysene	3.2	U	3.2	10
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	10
Di-n-octyl phthalate	1.5	U	1.5	10
Benzo[b]fluoranthene	0.27	U	0.27	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	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	107		46 - 122
2-Fluorobiphenyl	97		53 - 108
2-Fluorophenol (Surr)	47		10 - 65
Nitrobenzene-d5 (Surr)	94		56 - 112
Phenol-d5 (Surr)	29		10 - 48
Terphenyl-d14 (Surr)	102		50 - 122

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW1-MM-204

Lab Sample ID: 460-44765-5

Date Sampled: 09/17/2012 1345

Client Matrix: Water

Date Received: 09/18/2012 1840

8270C Semivolatile Organics (GC/MS)

Analysis Method: 8270C

Analysis Batch: 460-129427

Instrument ID: BNAMS11

Prep Method: 3510C

Prep Batch: 460-128629

Lab File ID: z12864.d

Dilution: 1.0

Initial Weight/Volume: 980 mL

Analysis Date: 09/26/2012 0858

Final Weight/Volume: 2 mL

Prep Date: 09/20/2012 1157

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: 460-44765-1

Client Sample ID: SW-17338-091712-SW5-MM-200

Lab Sample ID: 460-44765-1

Date Sampled: 09/17/2012 0940

Client Matrix: Water

Date Received: 09/18/2012 1840

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-128898	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-128757	Lab File ID:	09212012A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2012 2030			Final Weight/Volume:	50 mL
Prep Date:	09/21/2012 0809				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	72.1	U	72.1	200
Antimony	7.4	U	7.4	10.0
Arsenic	3.7	U	3.7	5.0
Barium	148	J	5.9	200
Beryllium	0.78	U	0.78	2.0
Cadmium	0.82	U	0.82	5.0
Calcium	35000		305	5000
Chromium	4.5	U	4.5	10.0
Cobalt	4.3	U	4.3	50.0
Copper	7.8	U	7.8	25.0
Iron	382		73.6	150
Lead	4.0	U	4.0	5.0
Magnesium	18000		321	5000
Manganese	63.6		4.3	15.0
Nickel	5.0	U	5.0	40.0
Potassium	3830	J	525	5000
Selenium	5.8	U	5.8	10.0
Silver	1.3	U	1.3	10.0
Sodium	42600		821	5000
Thallium	5.2	U	5.2	10.0
Vanadium	4.0	U	4.0	50.0
Zinc	43.5		5.8	30.0

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	460-129165	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-129011	Lab File ID:	09242012A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/24/2012 1843			Final Weight/Volume:	50 mL
Prep Date:	09/24/2012 0843				

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	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	32.2		5.8	30.0
Selenium	5.8	U	5.8	10.0
Chromium	4.5	U	4.5	10.0
Sodium	39700		821	5000

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW5-MM-200

Lab Sample ID: 460-44765-1

Date Sampled: 09/17/2012 0940

Client Matrix: Water

Date Received: 09/18/2012 1840

6010B Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Potassium	3780	J	525	5000
Barium	137	J	5.9	200
Calcium	34800		305	5000
Iron	331		73.6	150
Vanadium	4.0	U	4.0	50.0
Magnesium	16900		321	5000
Aluminum	72.1	U	72.1	200
Manganese	53.2		4.3	15.0
Cobalt	4.3	U	4.3	50.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-128519	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-128489	Lab File ID:	128489HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	09/19/2012 2029			Final Weight/Volume:	30 mL
Prep Date:	09/19/2012 1700				

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

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	460-128892	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-128878	Lab File ID:	128876HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	09/21/2012 2126			Final Weight/Volume:	30 mL
Prep Date:	09/21/2012 1730				

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

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW4-MM-201

Lab Sample ID: 460-44765-2

Date Sampled: 09/17/2012 1050

Client Matrix: Water

Date Received: 09/18/2012 1840

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-128898	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-128757	Lab File ID:	09212012A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2012 2046			Final Weight/Volume:	50 mL
Prep Date:	09/21/2012 0809				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	72.1	U	72.1	200
Antimony	7.4	U	7.4	10.0
Arsenic	3.7	U	3.7	5.0
Barium	141	J	5.9	200
Beryllium	0.78	U	0.78	2.0
Cadmium	0.82	U	0.82	5.0
Calcium	32600		305	5000
Chromium	4.5	U	4.5	10.0
Cobalt	4.3	U	4.3	50.0
Copper	7.8	U	7.8	25.0
Iron	364		73.6	150
Lead	4.0	U	4.0	5.0
Magnesium	17000		321	5000
Manganese	55.8		4.3	15.0
Nickel	5.0	U	5.0	40.0
Potassium	3700	J	525	5000
Selenium	5.8	U	5.8	10.0
Silver	1.3	U	1.3	10.0
Sodium	40700		821	5000
Thallium	5.2	U	5.2	10.0
Vanadium	4.0	U	4.0	50.0
Zinc	40.0		5.8	30.0

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	460-129165	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-129011	Lab File ID:	09242012A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/24/2012 1900			Final Weight/Volume:	50 mL
Prep Date:	09/24/2012 0843				

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	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	55.8		5.8	30.0
Selenium	5.8	U	5.8	10.0
Chromium	4.5	U	4.5	10.0
Sodium	42100		821	5000

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW4-MM-201

Lab Sample ID: 460-44765-2

Date Sampled: 09/17/2012 1050

Client Matrix: Water

Date Received: 09/18/2012 1840

6010B Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Potassium	3900	J	525	5000
Barium	145	J	5.9	200
Calcium	34100		305	5000
Iron	576		73.6	150
Vanadium	4.0	U	4.0	50.0
Magnesium	16900		321	5000
Aluminum	218		72.1	200
Manganese	80.1		4.3	15.0
Cobalt	4.3	U	4.3	50.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-128519	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-128489	Lab File ID:	128489HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	09/19/2012 2030			Final Weight/Volume:	30 mL
Prep Date:	09/19/2012 1700				

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

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	460-128892	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-128878	Lab File ID:	128876HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	09/21/2012 2132			Final Weight/Volume:	30 mL
Prep Date:	09/21/2012 1730				

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

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW3-MM-202

Lab Sample ID: 460-44765-3

Date Sampled: 09/17/2012 1120

Client Matrix: Water

Date Received: 09/18/2012 1840

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-128898	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-128757	Lab File ID:	09212012A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2012 2050			Final Weight/Volume:	50 mL
Prep Date:	09/21/2012 0809				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	72.1	U	72.1	200
Antimony	7.4	U	7.4	10.0
Arsenic	3.7	U	3.7	5.0
Barium	113	J	5.9	200
Beryllium	0.78	U	0.78	2.0
Cadmium	0.82	U	0.82	5.0
Calcium	32900		305	5000
Chromium	4.5	U	4.5	10.0
Cobalt	4.3	U	4.3	50.0
Copper	7.8	U	7.8	25.0
Iron	564		73.6	150
Lead	4.0	U	4.0	5.0
Magnesium	16200		321	5000
Manganese	47.4		4.3	15.0
Nickel	5.0	U	5.0	40.0
Potassium	3440	J	525	5000
Selenium	5.8	U	5.8	10.0
Silver	1.3	U	1.3	10.0
Sodium	30600		821	5000
Thallium	5.2	U	5.2	10.0
Vanadium	4.0	U	4.0	50.0
Zinc	6.9	J	5.8	30.0

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	460-129165	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-129011	Lab File ID:	09242012A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/24/2012 2010			Final Weight/Volume:	50 mL
Prep Date:	09/24/2012 0843				

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	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	30300		821	5000

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW3-MM-202

Lab Sample ID: 460-44765-3

Date Sampled: 09/17/2012 1120

Client Matrix: Water

Date Received: 09/18/2012 1840

6010B Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Potassium	3580	J	525	5000
Barium	108	J	5.9	200
Calcium	32300		305	5000
Iron	385		73.6	150
Vanadium	4.0	U	4.0	50.0
Magnesium	15500		321	5000
Aluminum	72.1	U	72.1	200
Manganese	31.7		4.3	15.0
Cobalt	4.3	U	4.3	50.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-128519	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-128489	Lab File ID:	128489HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	09/19/2012 2032			Final Weight/Volume:	30 mL
Prep Date:	09/19/2012 1700				

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

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	460-128892	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-128878	Lab File ID:	128876HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	09/21/2012 2134			Final Weight/Volume:	30 mL
Prep Date:	09/21/2012 1730				

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

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW2-MM-203

Lab Sample ID: 460-44765-4

Date Sampled: 09/17/2012 1245

Client Matrix: Water

Date Received: 09/18/2012 1840

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-128898	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-128757	Lab File ID:	09212012A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2012 2054			Final Weight/Volume:	50 mL
Prep Date:	09/21/2012 0809				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	72.1	U	72.1	200
Antimony	7.4	U	7.4	10.0
Arsenic	3.7	U	3.7	5.0
Barium	113	J	5.9	200
Beryllium	0.78	U	0.78	2.0
Cadmium	0.82	U	0.82	5.0
Calcium	33500		305	5000
Chromium	4.5	U	4.5	10.0
Cobalt	4.3	U	4.3	50.0
Copper	7.8	U	7.8	25.0
Iron	447		73.6	150
Lead	4.0	U	4.0	5.0
Magnesium	16600		321	5000
Manganese	41.3		4.3	15.0
Nickel	5.0	U	5.0	40.0
Potassium	3550	J	525	5000
Selenium	5.8	U	5.8	10.0
Silver	1.3	U	1.3	10.0
Sodium	32500		821	5000
Thallium	5.2	U	5.2	10.0
Vanadium	4.0	U	4.0	50.0
Zinc	5.8	U	5.8	30.0

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	460-129165	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-129011	Lab File ID:	09242012A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/24/2012 2015			Final Weight/Volume:	50 mL
Prep Date:	09/24/2012 0843				

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	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	31500		821	5000

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW2-MM-203

Lab Sample ID: 460-44765-4

Date Sampled: 09/17/2012 1245

Client Matrix: Water

Date Received: 09/18/2012 1840

6010B Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Potassium	3650	J	525	5000
Barium	108	J	5.9	200
Calcium	32900		305	5000
Iron	389		73.6	150
Vanadium	4.0	U	4.0	50.0
Magnesium	15800		321	5000
Aluminum	72.1	U	72.1	200
Manganese	33.3		4.3	15.0
Cobalt	4.3	U	4.3	50.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-128519	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-128489	Lab File ID:	128489HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	09/19/2012 2034			Final Weight/Volume:	30 mL
Prep Date:	09/19/2012 1700				

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

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	460-128892	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-128878	Lab File ID:	128876HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	09/21/2012 2136			Final Weight/Volume:	30 mL
Prep Date:	09/21/2012 1730				

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

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW1-MM-204

Lab Sample ID: 460-44765-5

Date Sampled: 09/17/2012 1345

Client Matrix: Water

Date Received: 09/18/2012 1840

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-128898	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-128757	Lab File ID:	09212012A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2012 2107			Final Weight/Volume:	50 mL
Prep Date:	09/21/2012 0809				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	72.1	U	72.1	200
Antimony	7.4	U	7.4	10.0
Arsenic	3.7	U	3.7	5.0
Barium	232		5.9	200
Beryllium	0.78	U	0.78	2.0
Cadmium	0.82	U	0.82	5.0
Calcium	35100		305	5000
Chromium	4.5	U	4.5	10.0
Cobalt	4.3	U	4.3	50.0
Copper	7.8	U	7.8	25.0
Iron	317		73.6	150
Lead	4.0	U	4.0	5.0
Magnesium	20300		321	5000
Manganese	76.7		4.3	15.0
Nickel	5.0	U	5.0	40.0
Potassium	4530	J	525	5000
Selenium	5.8	U	5.8	10.0
Silver	1.3	U	1.3	10.0
Sodium	71600		821	5000
Thallium	5.2	U	5.2	10.0
Vanadium	4.0	U	4.0	50.0
Zinc	141		5.8	30.0

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	460-129165	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-129011	Lab File ID:	09242012A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/24/2012 2019			Final Weight/Volume:	50 mL
Prep Date:	09/24/2012 0843				

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	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	130		5.8	30.0
Selenium	5.8	U	5.8	10.0
Chromium	4.5	U	4.5	10.0
Sodium	71800		821	5000

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Client Sample ID: SW-17338-091712-SW1-MM-204

Lab Sample ID: 460-44765-5

Date Sampled: 09/17/2012 1345

Client Matrix: Water

Date Received: 09/18/2012 1840

6010B Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Potassium	4680	J	525	5000
Barium	227		5.9	200
Calcium	35800		305	5000
Iron	161		73.6	150
Vanadium	4.0	U	4.0	50.0
Magnesium	20000		321	5000
Aluminum	83.2	J	72.1	200
Manganese	65.9		4.3	15.0
Cobalt	4.3	U	4.3	50.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-128519	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-128489	Lab File ID:	128489HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	09/19/2012 2036			Final Weight/Volume:	30 mL
Prep Date:	09/19/2012 1700				

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

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	460-128892	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-128878	Lab File ID:	128876HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	09/21/2012 2138			Final Weight/Volume:	30 mL
Prep Date:	09/21/2012 1730				

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

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

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
460-44765-1	SW-17338-091712-S W5-MM-200	44	28	88	90	98	97
460-44765-2	SW-17338-091712-S W4-MM-201	43	27	91	94	101	99
460-44765-3	SW-17338-091712-S W3-MM-202	44	28	91	94	102	103
460-44765-4	SW-17338-091712-S W2-MM-203	45	28	95	98	100	105
460-44765-5	SW-17338-091712-S W1-MM-204	47	29	94	97	107	102
MB 460-128629/1-A		44	29	91	92	100	97
LCS 460-128629/2-A		39	25	76	81	84	78
LCSD 460-128629/3-A		42	26	81	85	88	82

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: 460-44765-1

Method Blank - Batch: 460-128629

Method: 8270C

Preparation: 3510C

Lab Sample ID: MB 460-128629/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/26/2012 0523
Prep Date: 09/20/2012 1157
Leach Date: N/A

Analysis Batch: 460-129427
Prep Batch: 460-128629
Leach Batch: N/A
Units: ug/L

Instrument ID: BNAMS11
Lab File ID: z12857.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: 460-44765-1

Method Blank - Batch: 460-128629

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 460-128629/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/26/2012 0523
Prep Date: 09/20/2012 1157
Leach Date: N/A

Analysis Batch: 460-129427
Prep Batch: 460-128629
Leach Batch: N/A
Units: ug/L

Instrument ID: BNAMS11
Lab File ID: z12857.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)	100	46 - 122
2-Fluorobiphenyl	92	53 - 108
2-Fluorophenol (Surr)	44	10 - 65
Nitrobenzene-d5 (Surr)	91	56 - 112
Phenol-d5 (Surr)	29	10 - 48
Terphenyl-d14 (Surr)	97	50 - 122

Method Blank TICs- Batch: 460-128629

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

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-128629

Method: 8270C

Preparation: 3510C

LCS Lab Sample ID: LCS 460-128629/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/26/2012 0635
Prep Date: 09/20/2012 1157
Leach Date: N/A

Analysis Batch: 460-129427
Prep Batch: 460-128629
Leach Batch: N/A
Units: ug/L

Instrument ID: BNAMS11
Lab File ID: z12858.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

LCSD Lab Sample ID: LCSD 460-128629/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/26/2012 0659
Prep Date: 09/20/2012 1157
Leach Date: N/A

Analysis Batch: 460-129427
Prep Batch: 460-128629
Leach Batch: N/A
Units: ug/L

Instrument ID: BNAMS11
Lab File ID: z12859.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	82	86	66 - 112	5	30		
Phenol	30	31	12 - 44	2	30		
2,4,6-Trichlorophenol	84	90	67 - 111	7	30		
Bis(2-chloroethyl)ether	80	85	62 - 108	5	30		
2,4-Dichlorophenol	83	90	64 - 107	7	30		
2-Chlorophenol	78	81	53 - 101	4	30		
2,4-Dinitrotoluene	80	85	65 - 113	6	30		
2,2'-oxybis[1-chloropropane]	83	85	68 - 107	2	30		
Acetophenone	81	86	68 - 109	6	30		
2-Methylnaphthalene	81	85	66 - 102	5	30		
4-Methylphenol	59	60	30 - 75	3	30		
2-Methylphenol	65	67	40 - 90	3	30		
2-Nitroaniline	78	82	73 - 116	5	30		
Hexachloroethane	78	78	50 - 99	1	30		
Nitrobenzene	78	80	66 - 106	3	30		
4-Chloro-3-methylphenol	78	81	57 - 106	4	30		
Isophorone	77	77	68 - 108	1	30		
2-Nitrophenol	81	87	65 - 107	8	30		
4-Chlorophenyl phenyl ether	83	87	68 - 105	4	30		
2,4-Dimethylphenol	77	81	55 - 100	5	30		
4-Nitroaniline	100	102	49 - 119	2	30		
4-Nitrophenol	18	20	10 - 44	9	30	J	J
Bis(2-chloroethoxy)methane	82	87	69 - 108	6	30		
Atrazine	66	62	56 - 116	6	30		
Naphthalene	80	83	63 - 101	4	30		
Benzaldehyde	120	132	52 - 150	10	30		
4-Chloroaniline	87	85	58 - 105	2	30		
Benzo[a]pyrene	77	82	58 - 101	6	30		
Hexachlorobutadiene	80	80	52 - 99	1	30		
Benzo[k]fluoranthene	84	88	66 - 114	5	30		
Caprolactam	20	22	10 - 30	7	30		
Carbazole	81	85	67 - 110	4	30		
Hexachlorocyclopentadiene	69	70	40 - 105	1	30		
Dibenz(a,h)anthracene	79	82	67 - 124	4	30		
2,4,5-Trichlorophenol	86	90	67 - 114	5	30		
Dimethyl phthalate	84	90	69 - 111	6	30		

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-128629

Method: 8270C

Preparation: 3510C

LCS Lab Sample ID:	LCS 460-128629/2-A	Analysis Batch:	460-129427	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-128629	Lab File ID:	z12858.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/26/2012 0635	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	09/20/2012 1157			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-128629/3-A	Analysis Batch:	460-129427	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-128629	Lab File ID:	z12859.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/26/2012 0659	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	09/20/2012 1157			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
2-Chloronaphthalene	83	85	65 - 107	3	30		
Fluoranthene	83	86	68 - 108	4	30		
Fluorene	81	86	68 - 105	6	30		
2,6-Dinitrotoluene	83	87	68 - 114	5	30		
Acenaphthylene	81	85	67 - 107	5	30		
3-Nitroaniline	93	97	59 - 108	4	30		
N-Nitrosodi-n-propylamine	77	80	70 - 109	4	30		
Acenaphthene	82	86	66 - 108	5	30		
2,4-Dinitrophenol	85	95	19 - 113	11	30		
Dibenzofuran	81	85	68 - 105	5	30		
Diethyl phthalate	83	87	66 - 109	4	30		
4,6-Dinitro-2-methylphenol	86	93	58 - 115	8	30		
N-Nitrosodiphenylamine	85	92	71 - 121	8	30		
4-Bromophenyl phenyl ether	85	88	66 - 110	3	30		
Hexachlorobenzene	86	88	65 - 107	3	30		
Pentachlorophenol	82	85	55 - 116	4	30		
Phenanthrene	81	85	68 - 110	4	30		
Anthracene	80	83	68 - 108	3	30		
Di-n-butyl phthalate	81	84	68 - 111	4	30		
Pyrene	80	83	61 - 110	4	30		
Butyl benzyl phthalate	76	82	66 - 115	7	30		
3,3'-Dichlorobenzidine	88	94	69 - 129	6	30		
Benzo[a]anthracene	80	83	65 - 106	3	30		
Chrysene	86	89	68 - 112	3	30		
Bis(2-ethylhexyl) phthalate	74	78	66 - 114	5	30		
Di-n-octyl phthalate	69	73	51 - 115	5	30		
Benzo[b]fluoranthene	76	77	65 - 111	1	30		
Indeno[1,2,3-cd]pyrene	70	74	68 - 121	6	30		
Benzo[g,h,i]perylene	80	84	65 - 134	5	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	84	88	46 - 122
2-Fluorobiphenyl	81	85	53 - 108
2-Fluorophenol (Surr)	39	42	10 - 65
Nitrobenzene-d5 (Surr)	76	81	56 - 112
Phenol-d5 (Surr)	25	26	10 - 48

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Terphenyl-d14 (Surr)	78	82	50 - 122

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 460-128629**

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

LCS Lab Sample ID: LCS 460-128629/2-A Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/26/2012 0635
Prep Date: 09/20/2012 1157
Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-128629/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/26/2012 0659
Prep Date: 09/20/2012 1157
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1'-Biphenyl	100	100	82.5	86.3
Phenol	100	100	30.5	31.2
2,4,6-Trichlorophenol	100	100	84.5	90.4
Bis(2-chloroethyl)ether	100	100	80.5	84.7
2,4-Dichlorophenol	100	100	83.5	89.7
2-Chlorophenol	100	100	77.5	80.8
2,4-Dinitrotoluene	100	100	80.2	84.9
2,2'-oxybis[1-chloropropane]	100	100	83.1	85.1
Acetophenone	100	100	80.7	85.9
2-Methylnaphthalene	100	100	81.5	85.4
4-Methylphenol	100	100	58.5	60.4
2-Methylphenol	100	100	64.9	66.6
2-Nitroaniline	100	100	78.0	82.3
Hexachloroethane	100	100	77.5	78.2
Nitrobenzene	100	100	77.9	80.0
4-Chloro-3-methylphenol	100	100	78.1	81.0
Isophorone	100	100	76.5	77.2
2-Nitrophenol	100	100	80.7	87.0
4-Chlorophenyl phenyl ether	100	100	83.4	86.7
2,4-Dimethylphenol	100	100	76.9	80.7
4-Nitroaniline	100	100	99.7	102
4-Nitrophenol	100	100	17.9 J	19.6 J
Bis(2-chloroethoxy)methane	100	100	82.2	86.9
Atrazine	100	100	66.0	61.9
Naphthalene	100	100	80.4	83.5
Benzaldehyde	100	100	120	132
4-Chloroaniline	100	100	86.7	85.2
Benzo[a]pyrene	100	100	77.4	81.8
Hexachlorobutadiene	100	100	79.7	80.5
Benzo[k]fluoranthene	100	100	84.2	88.2
Caprolactam	100	100	20.3	21.7
Carbazole	100	100	81.5	85.2
Hexachlorocyclopentadiene	100	100	69.4	70.1
Dibenz(a,h)anthracene	100	100	78.6	82.1
2,4,5-Trichlorophenol	100	100	85.7	90.1
Dimethyl phthalate	100	100	84.4	89.8
2-Chloronaphthalene	100	100	82.6	85.2
Fluoranthene	100	100	83.1	86.4
Fluorene	100	100	80.6	85.6

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 460-128629**

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

LCS Lab Sample ID: LCS 460-128629/2-A Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/26/2012 0635
Prep Date: 09/20/2012 1157
Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-128629/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/26/2012 0659
Prep Date: 09/20/2012 1157
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
2,6-Dinitrotoluene	100	100	83.1	87.3
Acenaphthylene	100	100	81.0	85.1
3-Nitroaniline	100	100	93.2	97.3
N-Nitrosodi-n-propylamine	100	100	77.1	80.2
Acenaphthene	100	100	81.5	85.7
2,4-Dinitrophenol	100	100	85.2	94.8
Dibenzofuran	100	100	81.2	85.2
Diethyl phthalate	100	100	83.4	87.1
4,6-Dinitro-2-methylphenol	100	100	85.7	93.0
N-Nitrosodiphenylamine	100	100	85.1	92.2
4-Bromophenyl phenyl ether	100	100	85.1	87.6
Hexachlorobenzene	100	100	85.6	88.1
Pentachlorophenol	100	100	81.6	85.0
Phenanthrene	100	100	81.4	84.6
Anthracene	100	100	80.5	82.8
Di-n-butyl phthalate	100	100	80.8	84.2
Pyrene	100	100	79.9	83.4
Butyl benzyl phthalate	100	100	76.5	81.7
3,3'-Dichlorobenzidine	100	100	88.4	94.3
Benzo[a]anthracene	100	100	80.1	82.8
Chrysene	100	100	86.1	88.9
Bis(2-ethylhexyl) phthalate	100	100	73.8	77.7
Di-n-octyl phthalate	100	100	69.0	72.7
Benzo[b]fluoranthene	100	100	76.2	76.7
Indeno[1,2,3-cd]pyrene	100	100	69.8	74.1
Benzo[g,h,i]perylene	100	100	80.2	84.3

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Method Blank - Batch: 460-128757

Method: 6010B

Preparation: 3010A

Lab Sample ID: MB 460-128757/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/21/2012 2017
Prep Date: 09/21/2012 0809
Leach Date: N/A

Analysis Batch: 460-128898
Prep Batch: 460-128757
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP5
Lab File ID: 09212012A.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: 460-44765-1

Lab Control Sample - Batch: 460-128757

Method: 6010B

Preparation: 3010A

Lab Sample ID: LCS 460-128757/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/21/2012 2021
Prep Date: 09/21/2012 0809
Leach Date: N/A

Analysis Batch: 460-128898
Prep Batch: 460-128757
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP5
Lab File ID: 09212012A.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	50.0	53.32	107	80 - 120	
Antimony	500	521.8	104	80 - 120	
Beryllium	50.0	51.68	103	80 - 120	
Thallium	2000	2269	113	80 - 120	
Nickel	500	540.7	108	80 - 120	
Silver	50.0	50.75	102	80 - 120	
Arsenic	2000	2058	103	80 - 120	
Copper	250	256.2	102	80 - 120	
Lead	500	550.1	110	80 - 120	
Zinc	500	527.0	105	80 - 120	
Selenium	2000	2004	100	80 - 120	
Chromium	200	209.2	105	80 - 120	
Sodium	20000	21200	106	80 - 120	
Potassium	20000	19990	100	80 - 120	
Barium	2000	2124	106	80 - 120	
Calcium	20000	19380	97	80 - 120	
Iron	1000	1069	107	80 - 120	
Vanadium	500	509.4	102	80 - 120	
Magnesium	20000	21010	105	80 - 120	
Aluminum	2000	2015	101	80 - 120	
Manganese	500	546.1	109	80 - 120	
Cobalt	500	533.4	107	80 - 120	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Matrix Spike - Batch: 460-128757

Method: 6010B

Preparation: 3010A

Lab Sample ID:	460-44765-1	Analysis Batch:	460-128898	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-128757	Lab File ID:	09212012A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2012 2038	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2012 0809				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.82	U	50.0	51.78	104	75 - 125	
Antimony	7.4	U	500	511.9	102	75 - 125	
Beryllium	0.78	U	50.0	50.78	102	75 - 125	
Thallium	5.2	U	2000	2159	108	75 - 125	
Nickel	5.0	U	500	524.9	105	75 - 125	
Silver	1.3	U	50.0	48.90	98	75 - 125	
Arsenic	3.7	U	2000	2040	102	75 - 125	
Copper	7.8	U	250	247.1	99	75 - 125	
Lead	4.0	U	500	526.7	105	75 - 125	
Zinc	43.5		500	549.2	101	75 - 125	
Selenium	5.8	U	2000	1969	98	75 - 125	
Chromium	4.5	U	200	202.6	101	75 - 125	
Sodium	42600		20000	60490	89	75 - 125	
Potassium	3830	J	20000	23180	97	75 - 125	
Barium	148	J	2000	2198	102	75 - 125	
Calcium	35000		20000	52440	87	75 - 125	
Iron	382		1000	1376	99	75 - 125	
Vanadium	4.0	U	500	495.5	99	75 - 125	
Magnesium	18000		20000	37110	96	75 - 125	
Aluminum	72.1	U	2000	1997	100	75 - 125	
Manganese	63.6		500	585.9	104	75 - 125	
Cobalt	4.3	U	500	515.9	103	75 - 125	

Post Digestion Spike - Batch: 460-128757

Method: 6010B

Preparation: 3010A

Lab Sample ID:	460-44765-1	Analysis Batch:	460-128898	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-128757	Lab File ID:	09212012A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2012 2042	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2012 0809				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.82	U	50.0	49.75	100	75 - 125	
Antimony	7.4	U	500	487.0	97	75 - 125	
Beryllium	0.78	U	50.0	49.85	100	75 - 125	
Thallium	5.2	U	2000	2092	105	75 - 125	
Nickel	5.0	U	500	504.4	101	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Post Digestion Spike - Batch: 460-128757

Method: 6010B

Preparation: 3010A

Lab Sample ID:	460-44765-1	Analysis Batch:	460-128898	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-128757	Lab File ID:	09212012A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2012 2042	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2012 0809				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	1.3	U	50.0	47.22	94	75 - 125	
Arsenic	3.7	U	2000	1962	98	75 - 125	
Copper	7.8	U	250	245.2	98	75 - 125	
Lead	4.0	U	500	507.8	102	75 - 125	
Zinc	43.5		500	531.8	98	75 - 125	
Selenium	5.8	U	2000	1911	96	75 - 125	
Chromium	4.5	U	200	193.1	97	75 - 125	
Sodium	42600		20000	61990	97	75 - 125	
Potassium	3830	J	20000	23450	98	75 - 125	
Barium	148	J	2000	2120	99	75 - 125	
Calcium	35000		20000	52770	89	75 - 125	
Iron	382		1000	1336	95	75 - 125	
Vanadium	4.0	U	500	472.5	95	75 - 125	
Magnesium	18000		20000	36730	94	75 - 125	
Aluminum	72.1	U	2000	1990	100	75 - 125	
Manganese	63.6		500	554.2	98	75 - 125	
Cobalt	4.3	U	500	494.2	99	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Duplicate - Batch: 460-128757

Method: 6010B
Preparation: 3010A

Lab Sample ID:	460-44765-1	Analysis Batch:	460-128898	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-128757	Lab File ID:	09212012A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2012 2025	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2012 0809				
Leach Date:	N/A				

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	5.0	U	5.0	NC	20	U
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	43.5		39.35	10	20	
Selenium	5.8	U	5.8	NC	20	U
Chromium	4.5	U	4.5	NC	20	U
Sodium	42600		41390	3	20	
Potassium	3830	J	3809	0.4	20	J
Barium	148	J	144.8	2	20	J
Calcium	35000		34480	2	20	
Iron	382		370.7	3	20	
Vanadium	4.0	U	4.0	NC	20	U
Magnesium	18000		17450	3	20	
Aluminum	72.1	U	72.1	NC	20	U
Manganese	63.6		61.48	3	20	
Cobalt	4.3	U	4.3	NC	20	U

Serial Dilution - Batch: 460-128757

Method: 6010B
Preparation: 3010A

Lab Sample ID:	460-44765-1	Analysis Batch:	460-128898	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-128757	Lab File ID:	09212012A.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2012 2034	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2012 0809				
Leach Date:	N/A				

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	5.0	U	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: 460-44765-1

Serial Dilution - Batch: 460-128757

Method: 6010B
Preparation: 3010A

Lab Sample ID:	460-44765-1	Analysis Batch:	460-128898	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-128757	Lab File ID:	09212012A.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2012 2034	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2012 0809				
Leach Date:	N/A				

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	43.5		44.00	NC	10	J
Selenium	5.8	U	28.8	NC	10	U
Chromium	4.5	U	22.3	NC	10	U
Sodium	42600		42270	0.82	10	
Potassium	3830	J	3626	NC	10	J
Barium	148	J	147.6	NC	10	J
Calcium	35000		34800	0.61	10	
Iron	382		368	NC	10	U
Vanadium	4.0	U	20.2	NC	10	U
Magnesium	18000		18290	1.8	10	J
Aluminum	72.1	U	361	NC	10	U
Manganese	63.6		64.00	NC	10	J
Cobalt	4.3	U	21.4	NC	10	U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Method Blank - Batch: 460-129011

Lab Sample ID: MB 460-128864/1-F
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 09/25/2012 1337
 Prep Date: 09/24/2012 0843
 Leach Date: N/A

Analysis Batch: 460-129268
 Prep Batch: 460-129011
 Leach Batch: N/A
 Units: ug/L

Method: 6010B Preparation: 3010A Dissolved

Instrument ID: ICP5
 Lab File ID: 09252012.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: 460-44765-1

Lab Control Sample - Batch: 460-129011

Method: 6010B

Preparation: 3010A

Lab Sample ID: LCS 460-129011/2-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 09/24/2012 1904
 Prep Date: 09/24/2012 0843
 Leach Date: N/A

Analysis Batch: 460-129165
 Prep Batch: 460-129011
 Leach Batch: N/A
 Units: ug/L

Instrument ID: ICP5
 Lab File ID: 09242012A.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	50.0	51.42	103	80 - 120	
Antimony	500	486.1	97	80 - 120	
Beryllium	50.0	51.14	102	80 - 120	
Thallium	2000	2214	111	80 - 120	
Nickel	500	518.7	104	80 - 120	
Silver	50.0	49.61	99	80 - 120	
Arsenic	2000	1953	98	80 - 120	
Copper	250	257.1	103	80 - 120	
Lead	500	530.9	106	80 - 120	
Zinc	500	507.2	101	80 - 120	
Selenium	2000	1904	95	80 - 120	
Chromium	200	206.3	103	80 - 120	
Sodium	20000	21370	107	80 - 120	
Potassium	20000	20280	101	80 - 120	
Barium	2000	2075	104	80 - 120	
Calcium	20000	19350	97	80 - 120	
Iron	1000	1021	102	80 - 120	
Vanadium	500	497.6	100	80 - 120	
Magnesium	20000	20230	101	80 - 120	
Aluminum	2000	2014	101	80 - 120	
Manganese	500	524.9	105	80 - 120	
Cobalt	500	513.5	103	80 - 120	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Matrix Spike - Batch: 460-129011

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID: 460-44765-1	Analysis Batch: 460-129165	Instrument ID: ICP5
Client Matrix: Water	Prep Batch: 460-129011	Lab File ID: 09242012A.asc
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 09/24/2012 1852	Units: ug/L	Final Weight/Volume: 50 mL
Prep Date: 09/24/2012 0843		
Leach Date: N/A		

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.82	U	50.0	52.27	105	75 - 125	
Antimony	7.4	U	500	497.4	99	75 - 125	
Beryllium	0.78	U	50.0	52.23	104	75 - 125	
Thallium	5.2	U	2000	2187	109	75 - 125	
Nickel	5.0	U	500	521.7	104	75 - 125	
Silver	1.3	U	50.0	50.08	100	75 - 125	
Arsenic	3.7	U	2000	2024	101	75 - 125	
Copper	7.8	U	250	258.6	103	75 - 125	
Lead	4.0	U	500	530.6	106	75 - 125	
Zinc	32.2		500	543.7	102	75 - 125	
Selenium	5.8	U	2000	1959	98	75 - 125	
Chromium	4.5	U	200	209.2	105	75 - 125	
Sodium	39700		20000	61610	110	75 - 125	
Potassium	3780	J	20000	24270	102	75 - 125	
Barium	137	J	2000	2238	105	75 - 125	
Calcium	34800		20000	55740	105	75 - 125	
Iron	331		1000	1385	105	75 - 125	
Vanadium	4.0	U	500	507.6	102	75 - 125	
Magnesium	16900		20000	37600	104	75 - 125	
Aluminum	72.1	U	2000	2034	102	75 - 125	
Manganese	53.2		500	583.4	106	75 - 125	
Cobalt	4.3	U	500	517.8	104	75 - 125	

Post Digestion Spike - Batch: 460-129011

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID: 460-44765-1	Analysis Batch: 460-129165	Instrument ID: ICP5
Client Matrix: Water	Prep Batch: 460-129011	Lab File ID: 09242012A.asc
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 09/24/2012 1856	Units: ug/L	Final Weight/Volume: 50 mL
Prep Date: 09/24/2012 0843		
Leach Date: N/A		

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.82	U	50.0	48.67	97	75 - 125	
Antimony	7.4	U	500	458.6	92	75 - 125	
Beryllium	0.78	U	50.0	48.88	98	75 - 125	
Thallium	5.2	U	2000	2068	103	75 - 125	
Nickel	5.0	U	500	489.0	98	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Post Digestion Spike - Batch: 460-129011

Method: 6010B

Preparation: 3010A

Dissolved

Lab Sample ID: 460-44765-1

Analysis Batch: 460-129165

Instrument ID: ICP5

Client Matrix: Water

Prep Batch: 460-129011

Lab File ID: 09242012A.asc

Dilution: 1.0

Leach Batch: N/A

Initial Weight/Volume: 50 mL

Analysis Date: 09/24/2012 1856

Units: ug/L

Final Weight/Volume: 50 mL

Prep Date: 09/24/2012 0843

Leach Date: N/A

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	1.3	U	50.0	47.08	94	75 - 125	
Arsenic	3.7	U	2000	1892	95	75 - 125	
Copper	7.8	U	250	238.0	95	75 - 125	
Lead	4.0	U	500	496.8	99	75 - 125	
Zinc	32.2		500	507.1	95	75 - 125	
Selenium	5.8	U	2000	1846	92	75 - 125	
Chromium	4.5	U	200	194.5	97	75 - 125	
Sodium	39700		20000	58600	94	75 - 125	
Potassium	3780	J	20000	23220	97	75 - 125	
Barium	137	J	2000	2083	97	75 - 125	
Calcium	34800		20000	53010	91	75 - 125	
Iron	331		1000	1303	97	75 - 125	
Vanadium	4.0	U	500	474.3	95	75 - 125	
Magnesium	16900		20000	35770	95	75 - 125	
Aluminum	72.1	U	2000	1961	98	75 - 125	
Manganese	53.2		500	539.3	97	75 - 125	
Cobalt	4.3	U	500	481.9	96	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Duplicate - Batch: 460-129011

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID:	460-44765-1	Analysis Batch:	460-129165	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-129011	Lab File ID:	09242012A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/24/2012 1839	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/24/2012 0843				
Leach Date:	N/A				

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	5.0	U	5.0	NC	20	U
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	32.2		34.53	7	20	
Selenium	5.8	U	5.8	NC	20	U
Chromium	4.5	U	4.5	NC	20	U
Sodium	39700		41850	5	20	
Potassium	3780	J	3966	5	20	J
Barium	137	J	145.4	6	20	J
Calcium	34800		36800	6	20	
Iron	331		364.5	10	20	
Vanadium	4.0	U	4.0	NC	20	U
Magnesium	16900		17780	5	20	
Aluminum	72.1	U	72.1	NC	20	U
Manganese	53.2		56.02	5	20	
Cobalt	4.3	U	4.3	NC	20	U

Serial Dilution - Batch: 460-129011

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID:	460-44765-1	Analysis Batch:	460-129165	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-129011	Lab File ID:	09242012A.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/24/2012 1847	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/24/2012 0843				
Leach Date:	N/A				

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	5.0	U	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: 460-44765-1

Serial Dilution - Batch: 460-129011

Method: 6010B Preparation: 3010A Dissolved

Lab Sample ID:	460-44765-1	Analysis Batch:	460-129165	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-129011	Lab File ID:	09242012A.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/24/2012 1847	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/24/2012 0843				
Leach Date:	N/A				

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	32.2		30.80	NC	10	J
Selenium	5.8	U	28.8	NC	10	U
Chromium	4.5	U	22.3	NC	10	U
Sodium	39700		39750	NC	10	
Potassium	3780	J	4152	NC	10	J
Barium	137	J	135.4	NC	10	J
Calcium	34800		33190	4.6	10	
Iron	331		368	NC	10	U
Vanadium	4.0	U	20.2	NC	10	U
Magnesium	16900		16850	0.12	10	J
Aluminum	72.1	U	361	NC	10	U
Manganese	53.2		51.80	NC	10	J
Cobalt	4.3	U	21.4	NC	10	U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Method Blank - Batch: 460-128489

Method: 7470A Preparation: 7470A

Lab Sample ID:	MB 460-128489/11-A	Analysis Batch:	460-128519	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-128489	Lab File ID:	128489HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	09/19/2012 1943	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	09/19/2012 1700				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.16	U	0.16	0.20

Lab Control Sample - Batch: 460-128489

Method: 7470A Preparation: 7470A

Lab Sample ID:	LCS 460-128489/12-A	Analysis Batch:	460-128519	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-128489	Lab File ID:	128489HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	09/19/2012 1945	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	09/19/2012 1700				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	2.00	1.98	99	80 - 120	

Matrix Spike - Batch: 460-128489

Method: 7470A Preparation: 7470A

Lab Sample ID:	460-44761-H-1-D MS	Analysis Batch:	460-128519	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-128489	Lab File ID:	128489HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	09/19/2012 1951	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	09/19/2012 1700				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.16 U	2.00	2.00	100	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Duplicate - Batch: 460-128489

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-44761-H-1-C DU	Analysis Batch:	460-128519	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-128489	Lab File ID:	128489HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	09/19/2012 1949	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	09/19/2012 1700				
Leach Date:	N/A				

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

Serial Dilution - Batch: 460-128489

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-44761-H-1-B SD ^5	Analysis Batch:	460-128519	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-128489	Lab File ID:	128489HG1.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	09/19/2012 2038	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	09/19/2012 1700				
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: 460-44765-1

Method Blank - Batch: 460-128878

Lab Sample ID: MB 460-128864/1-B
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/21/2012 2109
Prep Date: 09/21/2012 1730
Leach Date: N/A

Analysis Batch: 460-128892
Prep Batch: 460-128878
Leach Batch: N/A
Units: ug/L

Method: 7470A Preparation: 7470A Dissolved

Instrument ID: LEEMAN5
Lab File ID: 128876HG1.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: 460-128878

Lab Sample ID: LCS 460-128878/11-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/21/2012 2111
Prep Date: 09/21/2012 1730
Leach Date: N/A

Analysis Batch: 460-128892
Prep Batch: 460-128878
Leach Batch: N/A
Units: ug/L

Method: 7470A Preparation: 7470A

Instrument ID: LEEMAN5
Lab File ID: 128876HG1.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	1.03	103	80 - 120	

Matrix Spike - Batch: 460-128878

Lab Sample ID: 460-44876-E-1-D MS
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/21/2012 2117
Prep Date: 09/21/2012 1730
Leach Date: N/A

Analysis Batch: 460-128892
Prep Batch: 460-128878
Leach Batch: N/A
Units: ug/L

Method: 7470A Preparation: 7470A Dissolved

Instrument ID: LEEMAN5
Lab File ID: 128876HG1.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	1.02	102	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Duplicate - Batch: 460-128878

Method: 7470A
Preparation: 7470A
Dissolved

Lab Sample ID: 460-44876-E-1-C DU
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/21/2012 2115
Prep Date: 09/21/2012 1730
Leach Date: N/A

Analysis Batch: 460-128892
Prep Batch: 460-128878
Leach Batch: N/A
Units: ug/L

Instrument ID: LEEMAN5
Lab File ID: 128876HG1.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: 460-128878

Method: 7470A
Preparation: 7470A
Dissolved

Lab Sample ID: 460-44876-E-1-B SD ^5
Client Matrix: Water
Dilution: 5.0
Analysis Date: 09/21/2012 2150
Prep Date: 09/21/2012 1730
Leach Date: N/A

Analysis Batch: 460-128892
Prep Batch: 460-128878
Leach Batch: N/A
Units: ug/L

Instrument ID: LEEMAN5
Lab File ID: 128876HG1.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: 460-44765-1

Lab Section	Qualifier	Description
GC/MS Semi VOA	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 460-128629					
LCS 460-128629/2-A	Lab Control Sample	T	Water	3510C	
LCSD 460-128629/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 460-128629/1-A	Method Blank	T	Water	3510C	
460-44765-1	SW-17338-091712-SW5-MM-200	T	Water	3510C	
460-44765-2	SW-17338-091712-SW4-MM-201	T	Water	3510C	
460-44765-3	SW-17338-091712-SW3-MM-202	T	Water	3510C	
460-44765-4	SW-17338-091712-SW2-MM-203	T	Water	3510C	
460-44765-5	SW-17338-091712-SW1-MM-204	T	Water	3510C	
Analysis Batch: 460-129427					
LCS 460-128629/2-A	Lab Control Sample	T	Water	8270C	460-128629
LCSD 460-128629/3-A	Lab Control Sample Duplicate	T	Water	8270C	460-128629
MB 460-128629/1-A	Method Blank	T	Water	8270C	460-128629
460-44765-1	SW-17338-091712-SW5-MM-200	T	Water	8270C	460-128629
460-44765-2	SW-17338-091712-SW4-MM-201	T	Water	8270C	460-128629
460-44765-3	SW-17338-091712-SW3-MM-202	T	Water	8270C	460-128629
460-44765-4	SW-17338-091712-SW2-MM-203	T	Water	8270C	460-128629
460-44765-5	SW-17338-091712-SW1-MM-204	T	Water	8270C	460-128629

Report Basis

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-128489					
LCS 460-128489/12-A	Lab Control Sample	T	Water	7470A	
MB 460-128489/11-A	Method Blank	T	Water	7470A	
460-44761-H-1-C DU	Duplicate	T	Water	7470A	
460-44761-H-1-D MS	Matrix Spike	T	Water	7470A	
460-44765-1	SW-17338-091712-SW5-MM-200	T	Water	7470A	
460-44765-2	SW-17338-091712-SW4-MM-201	T	Water	7470A	
460-44765-3	SW-17338-091712-SW3-MM-202	T	Water	7470A	
460-44765-4	SW-17338-091712-SW2-MM-203	T	Water	7470A	
460-44765-5	SW-17338-091712-SW1-MM-204	T	Water	7470A	
Analysis Batch: 460-128519					
LCS 460-128489/12-A	Lab Control Sample	T	Water	7470A	460-128489
MB 460-128489/11-A	Method Blank	T	Water	7470A	460-128489
460-44761-H-1-C DU	Duplicate	T	Water	7470A	460-128489
460-44761-H-1-D MS	Matrix Spike	T	Water	7470A	460-128489
460-44765-1	SW-17338-091712-SW5-MM-200	T	Water	7470A	460-128489
460-44765-2	SW-17338-091712-SW4-MM-201	T	Water	7470A	460-128489
460-44765-3	SW-17338-091712-SW3-MM-202	T	Water	7470A	460-128489
460-44765-4	SW-17338-091712-SW2-MM-203	T	Water	7470A	460-128489
460-44765-5	SW-17338-091712-SW1-MM-204	T	Water	7470A	460-128489
Prep Batch: 460-128757					
LCS 460-128757/2-A	Lab Control Sample	T	Water	3010A	
MB 460-128757/1-A	Method Blank	T	Water	3010A	
460-44765-1	SW-17338-091712-SW5-MM-200	T	Water	3010A	
460-44765-1DU	Duplicate	T	Water	3010A	
460-44765-1MS	Matrix Spike	T	Water	3010A	
460-44765-2	SW-17338-091712-SW4-MM-201	T	Water	3010A	
460-44765-3	SW-17338-091712-SW3-MM-202	T	Water	3010A	
460-44765-4	SW-17338-091712-SW2-MM-203	T	Water	3010A	
460-44765-5	SW-17338-091712-SW1-MM-204	T	Water	3010A	
Prep Batch: 460-128878					
LCS 460-128878/11-A	Lab Control Sample	T	Water	7470A	
MB 460-128864/1-B	Method Blank	D	Water	7470A	
460-44765-1	SW-17338-091712-SW5-MM-200	D	Water	7470A	
460-44765-2	SW-17338-091712-SW4-MM-201	D	Water	7470A	
460-44765-3	SW-17338-091712-SW3-MM-202	D	Water	7470A	
460-44765-4	SW-17338-091712-SW2-MM-203	D	Water	7470A	
460-44765-5	SW-17338-091712-SW1-MM-204	D	Water	7470A	
460-44876-E-1-C DU	Duplicate	D	Water	7470A	
460-44876-E-1-D MS	Matrix Spike	D	Water	7470A	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-128892					
LCS 460-128878/11-A	Lab Control Sample	T	Water	7470A	460-128878
MB 460-128864/1-B	Method Blank	D	Water	7470A	460-128878
460-44765-1	SW-17338-091712-SW5-MM-200	D	Water	7470A	460-128878
460-44765-2	SW-17338-091712-SW4-MM-201	D	Water	7470A	460-128878
460-44765-3	SW-17338-091712-SW3-MM-202	D	Water	7470A	460-128878
460-44765-4	SW-17338-091712-SW2-MM-203	D	Water	7470A	460-128878
460-44765-5	SW-17338-091712-SW1-MM-204	D	Water	7470A	460-128878
460-44876-E-1-C DU	Duplicate	D	Water	7470A	460-128878
460-44876-E-1-D MS	Matrix Spike	D	Water	7470A	460-128878
Analysis Batch:460-128898					
LCS 460-128757/2-A	Lab Control Sample	T	Water	6010B	460-128757
MB 460-128757/1-A	Method Blank	T	Water	6010B	460-128757
460-44765-1	SW-17338-091712-SW5-MM-200	T	Water	6010B	460-128757
460-44765-1DU	Duplicate	T	Water	6010B	460-128757
460-44765-1MS	Matrix Spike	T	Water	6010B	460-128757
460-44765-2	SW-17338-091712-SW4-MM-201	T	Water	6010B	460-128757
460-44765-3	SW-17338-091712-SW3-MM-202	T	Water	6010B	460-128757
460-44765-4	SW-17338-091712-SW2-MM-203	T	Water	6010B	460-128757
460-44765-5	SW-17338-091712-SW1-MM-204	T	Water	6010B	460-128757
Prep Batch: 460-129011					
LCS 460-129011/2-A	Lab Control Sample	T	Water	3010A	
MB 460-128864/1-F	Method Blank	D	Water	3010A	
460-44765-1	SW-17338-091712-SW5-MM-200	D	Water	3010A	
460-44765-1DU	Duplicate	D	Water	3010A	
460-44765-1MS	Matrix Spike	D	Water	3010A	
460-44765-2	SW-17338-091712-SW4-MM-201	D	Water	3010A	
460-44765-3	SW-17338-091712-SW3-MM-202	D	Water	3010A	
460-44765-4	SW-17338-091712-SW2-MM-203	D	Water	3010A	
460-44765-5	SW-17338-091712-SW1-MM-204	D	Water	3010A	
Analysis Batch:460-129165					
LCS 460-129011/2-A	Lab Control Sample	T	Water	6010B	460-129011
460-44765-1	SW-17338-091712-SW5-MM-200	D	Water	6010B	460-129011
460-44765-1DU	Duplicate	D	Water	6010B	460-129011
460-44765-1MS	Matrix Spike	D	Water	6010B	460-129011
460-44765-2	SW-17338-091712-SW4-MM-201	D	Water	6010B	460-129011
460-44765-3	SW-17338-091712-SW3-MM-202	D	Water	6010B	460-129011
460-44765-4	SW-17338-091712-SW2-MM-203	D	Water	6010B	460-129011
460-44765-5	SW-17338-091712-SW1-MM-204	D	Water	6010B	460-129011
Analysis Batch:460-129268					
MB 460-128864/1-F	Method Blank	D	Water	6010B	460-129011

TestAmerica Edison

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis

D = Dissolved

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Laboratory Chronicle

Lab ID: 460-44765-1

Client ID: SW-17338-091712-SW5-MM-200

Sample Date/Time: 09/17/2012 09:40

Received Date/Time: 09/18/2012 18:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	460-44765-B-1-A		460-129427	460-128629	09/20/2012 11:57	1	TAL EDI	ME
A:8270C	460-44765-B-1-A		460-129427	460-128629	09/26/2012 07:23	1	TAL EDI	MC
P:3010A	460-44765-D-1-B		460-128898	460-128757	09/21/2012 08:09	1	TAL EDI	MC
A:6010B	460-44765-D-1-B		460-128898	460-128757	09/21/2012 20:30	1	TAL EDI	CDC
P:3010A	460-44765-C-1-F		460-129165	460-129011	09/24/2012 08:43	1	TAL EDI	MC
A:6010B	460-44765-C-1-F		460-129165	460-129011	09/24/2012 18:43	1	TAL EDI	CDC
P:7470A	460-44765-D-1-A		460-128519	460-128489	09/19/2012 17:00	1	TAL EDI	TS
A:7470A	460-44765-D-1-A		460-128519	460-128489	09/19/2012 20:29	1	TAL EDI	TS
P:7470A	460-44765-C-1-B		460-128892	460-128878	09/21/2012 17:30	1	TAL EDI	TS
A:7470A	460-44765-C-1-B		460-128892	460-128878	09/21/2012 21:26	1	TAL EDI	TS

Lab ID: 460-44765-1 MS

Client ID: SW-17338-091712-SW5-MM-200

Sample Date/Time: 09/17/2012 09:40

Received Date/Time: 09/18/2012 18:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	460-44765-D-1-D MS		460-128898	460-128757	09/21/2012 08:09	1	TAL EDI	MC
A:6010B	460-44765-D-1-D MS		460-128898	460-128757	09/21/2012 20:38	1	TAL EDI	CDC
P:3010A	460-44765-C-1-H MS		460-129165	460-129011	09/24/2012 08:43	1	TAL EDI	MC
A:6010B	460-44765-C-1-H MS		460-129165	460-129011	09/24/2012 18:52	1	TAL EDI	CDC

Lab ID: 460-44765-1 DU

Client ID: SW-17338-091712-SW5-MM-200

Sample Date/Time: 09/17/2012 09:40

Received Date/Time: 09/18/2012 18:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	460-44765-D-1-C DU		460-128898	460-128757	09/21/2012 08:09	1	TAL EDI	MC
A:6010B	460-44765-D-1-C DU		460-128898	460-128757	09/21/2012 20:25	1	TAL EDI	CDC
P:3010A	460-44765-C-1-G DU		460-129165	460-129011	09/24/2012 08:43	1	TAL EDI	MC
A:6010B	460-44765-C-1-G DU		460-129165	460-129011	09/24/2012 18:39	1	TAL EDI	CDC

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Laboratory Chronicle

Lab ID: 460-44765-1 SD

Client ID: SW-17338-091712-SW5-MM-200

Sample Date/Time: 09/17/2012 09:40

Received Date/Time: 09/18/2012 18:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	460-44765-D-1-B SD ^5		460-128898	460-128757	09/21/2012 08:09	5	TAL EDI	MC
A:6010B	460-44765-D-1-B SD ^5		460-128898	460-128757	09/21/2012 20:34	5	TAL EDI	CDC
P:3010A	460-44765-D-1-B PDS		460-128898	460-128757	09/21/2012 08:09	1	TAL EDI	MC
A:6010B	460-44765-D-1-B PDS		460-128898	460-128757	09/21/2012 20:42	1	TAL EDI	CDC
P:3010A	460-44765-C-1-F SD ^5		460-129165	460-129011	09/24/2012 08:43	5	TAL EDI	MC
A:6010B	460-44765-C-1-F SD ^5		460-129165	460-129011	09/24/2012 18:47	5	TAL EDI	CDC
P:3010A	460-44765-C-1-F PDS		460-129165	460-129011	09/24/2012 08:43	1	TAL EDI	MC
A:6010B	460-44765-C-1-F PDS		460-129165	460-129011	09/24/2012 18:56	1	TAL EDI	CDC

Lab ID: 460-44765-2

Client ID: SW-17338-091712-SW4-MM-201

Sample Date/Time: 09/17/2012 10:50

Received Date/Time: 09/18/2012 18:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	460-44765-B-2-A		460-129427	460-128629	09/20/2012 11:57	1	TAL EDI	ME
A:8270C	460-44765-B-2-A		460-129427	460-128629	09/26/2012 07:46	1	TAL EDI	MC
P:3010A	460-44765-D-2-B		460-128898	460-128757	09/21/2012 08:09	1	TAL EDI	MC
A:6010B	460-44765-D-2-B		460-128898	460-128757	09/21/2012 20:46	1	TAL EDI	CDC
P:3010A	460-44765-C-2-D		460-129165	460-129011	09/24/2012 08:43	1	TAL EDI	MC
A:6010B	460-44765-C-2-D		460-129165	460-129011	09/24/2012 19:00	1	TAL EDI	CDC
P:7470A	460-44765-D-2-A		460-128519	460-128489	09/19/2012 17:00	1	TAL EDI	TS
A:7470A	460-44765-D-2-A		460-128519	460-128489	09/19/2012 20:30	1	TAL EDI	TS
P:7470A	460-44765-C-2-B		460-128892	460-128878	09/21/2012 17:30	1	TAL EDI	TS
A:7470A	460-44765-C-2-B		460-128892	460-128878	09/21/2012 21:32	1	TAL EDI	TS

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Laboratory Chronicle

Lab ID: 460-44765-3

Client ID: SW-17338-091712-SW3-MM-202

Sample Date/Time: 09/17/2012 11:20

Received Date/Time: 09/18/2012 18:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	460-44765-A-3-A		460-129427	460-128629	09/20/2012 11:57	1	TAL EDI	ME
A:8270C	460-44765-A-3-A		460-129427	460-128629	09/26/2012 08:10	1	TAL EDI	MC
P:3010A	460-44765-D-3-B		460-128898	460-128757	09/21/2012 08:09	1	TAL EDI	MC
A:6010B	460-44765-D-3-B		460-128898	460-128757	09/21/2012 20:50	1	TAL EDI	CDC
P:3010A	460-44765-C-3-D		460-129165	460-129011	09/24/2012 08:43	1	TAL EDI	MC
A:6010B	460-44765-C-3-D		460-129165	460-129011	09/24/2012 20:10	1	TAL EDI	CDC
P:7470A	460-44765-D-3-A		460-128519	460-128489	09/19/2012 17:00	1	TAL EDI	TS
A:7470A	460-44765-D-3-A		460-128519	460-128489	09/19/2012 20:32	1	TAL EDI	TS
P:7470A	460-44765-C-3-B		460-128892	460-128878	09/21/2012 17:30	1	TAL EDI	TS
A:7470A	460-44765-C-3-B		460-128892	460-128878	09/21/2012 21:34	1	TAL EDI	TS

Lab ID: 460-44765-4

Client ID: SW-17338-091712-SW2-MM-203

Sample Date/Time: 09/17/2012 12:45

Received Date/Time: 09/18/2012 18:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	460-44765-A-4-A		460-129427	460-128629	09/20/2012 11:57	1	TAL EDI	ME
A:8270C	460-44765-A-4-A		460-129427	460-128629	09/26/2012 08:34	1	TAL EDI	MC
P:3010A	460-44765-D-4-B		460-128898	460-128757	09/21/2012 08:09	1	TAL EDI	MC
A:6010B	460-44765-D-4-B		460-128898	460-128757	09/21/2012 20:54	1	TAL EDI	CDC
P:3010A	460-44765-C-4-D		460-129165	460-129011	09/24/2012 08:43	1	TAL EDI	MC
A:6010B	460-44765-C-4-D		460-129165	460-129011	09/24/2012 20:15	1	TAL EDI	CDC
P:7470A	460-44765-D-4-A		460-128519	460-128489	09/19/2012 17:00	1	TAL EDI	TS
A:7470A	460-44765-D-4-A		460-128519	460-128489	09/19/2012 20:34	1	TAL EDI	TS
P:7470A	460-44765-C-4-B		460-128892	460-128878	09/21/2012 17:30	1	TAL EDI	TS
A:7470A	460-44765-C-4-B		460-128892	460-128878	09/21/2012 21:36	1	TAL EDI	TS

Lab ID: 460-44765-5

Client ID: SW-17338-091712-SW1-MM-204

Sample Date/Time: 09/17/2012 13:45

Received Date/Time: 09/18/2012 18:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	460-44765-B-5-A		460-129427	460-128629	09/20/2012 11:57	1	TAL EDI	ME
A:8270C	460-44765-B-5-A		460-129427	460-128629	09/26/2012 08:58	1	TAL EDI	MC
P:3010A	460-44765-D-5-B		460-128898	460-128757	09/21/2012 08:09	1	TAL EDI	MC
A:6010B	460-44765-D-5-B		460-128898	460-128757	09/21/2012 21:07	1	TAL EDI	CDC
P:3010A	460-44765-C-5-D		460-129165	460-129011	09/24/2012 08:43	1	TAL EDI	MC
A:6010B	460-44765-C-5-D		460-129165	460-129011	09/24/2012 20:19	1	TAL EDI	CDC
P:7470A	460-44765-D-5-A		460-128519	460-128489	09/19/2012 17:00	1	TAL EDI	TS
A:7470A	460-44765-D-5-A		460-128519	460-128489	09/19/2012 20:36	1	TAL EDI	TS
P:7470A	460-44765-C-5-B		460-128892	460-128878	09/21/2012 17:30	1	TAL EDI	TS
A:7470A	460-44765-C-5-B		460-128892	460-128878	09/21/2012 21:38	1	TAL EDI	TS

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	MB 460-128629/1-A		460-129427	460-128629	09/20/2012 11:57	1	TAL EDI	ME
A:8270C	MB 460-128629/1-A		460-129427	460-128629	09/26/2012 05:23	1	TAL EDI	MC
P:3010A	MB 460-128757/1-A		460-128898	460-128757	09/21/2012 08:09	1	TAL EDI	MC
A:6010B	MB 460-128757/1-A		460-128898	460-128757	09/21/2012 20:17	1	TAL EDI	CDC
P:3010A	MB 460-128864/1-F		460-129268	460-129011	09/24/2012 08:43	1	TAL EDI	MC
A:6010B	MB 460-128864/1-F		460-129268	460-129011	09/25/2012 13:37	1	TAL EDI	CDC
P:7470A	MB 460-128489/11-A		460-128519	460-128489	09/19/2012 17:00	1	TAL EDI	TS
A:7470A	MB 460-128489/11-A		460-128519	460-128489	09/19/2012 19:43	1	TAL EDI	TS
P:7470A	MB 460-128864/1-B		460-128892	460-128878	09/21/2012 17:30	1	TAL EDI	TS
A:7470A	MB 460-128864/1-B		460-128892	460-128878	09/21/2012 21:09	1	TAL EDI	TS

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:3510C	LCS 460-128629/2-A		460-129427	460-128629	09/20/2012 11:57	1	TAL EDI	ME
A:8270C	LCS 460-128629/2-A		460-129427	460-128629	09/26/2012 06:35	1	TAL EDI	MC
P:3010A	LCS 460-128757/2-A		460-128898	460-128757	09/21/2012 08:09	1	TAL EDI	MC
A:6010B	LCS 460-128757/2-A		460-128898	460-128757	09/21/2012 20:21	1	TAL EDI	CDC
P:3010A	LCS 460-129011/2-A		460-129165	460-129011	09/24/2012 08:43	1	TAL EDI	MC
A:6010B	LCS 460-129011/2-A		460-129165	460-129011	09/24/2012 19:04	1	TAL EDI	CDC
P:7470A	LCS 460-128489/12-A		460-128519	460-128489	09/19/2012 17:00	1	TAL EDI	TS
A:7470A	LCS 460-128489/12-A		460-128519	460-128489	09/19/2012 19:45	1	TAL EDI	TS
P:7470A	LCS 460-128878/11-A		460-128892	460-128878	09/21/2012 17:30	1	TAL EDI	TS
A:7470A	LCS 460-128878/11-A		460-128892	460-128878	09/21/2012 21:11	1	TAL EDI	TS

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:3510C	LCSD 460-128629/3-A		460-129427	460-128629	09/20/2012 11:57	1	TAL EDI	ME
A:8270C	LCSD 460-128629/3-A		460-129427	460-128629	09/26/2012 06:59	1	TAL EDI	MC

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Laboratory Chronicle

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:7470A	460-44761-H-1-D MS		460-128519	460-128489	09/19/2012 17:00	1	TAL EDI	TS
A:7470A	460-44761-H-1-D MS		460-128519	460-128489	09/19/2012 19:51	1	TAL EDI	TS
P:7470A	460-44876-E-1-D MS		460-128892	460-128878	09/21/2012 17:30	1	TAL EDI	TS
A:7470A	460-44876-E-1-D MS		460-128892	460-128878	09/21/2012 21:17	1	TAL EDI	TS

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:7470A	460-44761-H-1-C DU		460-128519	460-128489	09/19/2012 17:00	1	TAL EDI	TS
A:7470A	460-44761-H-1-C DU		460-128519	460-128489	09/19/2012 19:49	1	TAL EDI	TS
P:7470A	460-44876-E-1-C DU		460-128892	460-128878	09/21/2012 17:30	1	TAL EDI	TS
A:7470A	460-44876-E-1-C DU		460-128892	460-128878	09/21/2012 21:15	1	TAL EDI	TS

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:7470A	460-44761-H-1-B SD		460-128519	460-128489	09/19/2012 17:00	5	TAL EDI	TS
	^5							
A:7470A	460-44761-H-1-B SD		460-128519	460-128489	09/19/2012 20:38	5	TAL EDI	TS
	^5							
P:7470A	460-44876-E-1-B SD		460-128892	460-128878	09/21/2012 17:30	5	TAL EDI	TS
	^5							
A:7470A	460-44876-E-1-B SD		460-128892	460-128878	09/21/2012 21:50	5	TAL EDI	TS
	^5							

Lab References:

TAL EDI = TestAmerica Edison

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.: 460-44765-1
 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 #
SW-17338-091712-SW 5-MM-200	460-44765-1	44	28	88	90	98	97
SW-17338-091712-SW 4-MM-201	460-44765-2	43	27	91	94	101	99
SW-17338-091712-SW 3-MM-202	460-44765-3	44	28	91	94	102	103
SW-17338-091712-SW 2-MM-203	460-44765-4	45	28	95	98	100	105
SW-17338-091712-SW 1-MM-204	460-44765-5	47	29	94	97	107	102
	MB 460-128629/1-A	44	29	91	92	100	97
	LCS 460-128629/2-A	39	25	76	81	84	78
	LCSD 460-128629/3-A	42	26	81	85	88	82

	<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.: 460-44765-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: z12858.d
Lab ID: LCS 460-128629/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	100	82.5	82	66-112	
Phenol	100	30.5	30	12-44	
2,4,6-Trichlorophenol	100	84.5	84	67-111	
Bis(2-chloroethyl)ether	100	80.5	80	62-108	
2,4-Dichlorophenol	100	83.5	83	64-107	
2-Chlorophenol	100	77.5	78	53-101	
2,4-Dinitrotoluene	100	80.2	80	65-113	
2,2'-oxybis[1-chloropropane]	100	83.1	83	68-107	
Acetophenone	100	80.7	81	68-109	
2-Methylnaphthalene	100	81.5	81	66-102	
4-Methylphenol	100	58.5	59	30-75	
2-Methylphenol	100	64.9	65	40-90	
2-Nitroaniline	100	78.0	78	73-116	
Hexachloroethane	100	77.5	78	50-99	
Nitrobenzene	100	77.9	78	66-106	
4-Chloro-3-methylphenol	100	78.1	78	57-106	
Isophorone	100	76.5	77	68-108	
2-Nitrophenol	100	80.7	81	65-107	
4-Chlorophenyl phenyl ether	100	83.4	83	68-105	
2,4-Dimethylphenol	100	76.9	77	55-100	
4-Nitroaniline	100	99.7	100	49-119	
4-Nitrophenol	100	17.9 J	18	10-44	
Bis(2-chloroethoxy)methane	100	82.2	82	69-108	
Atrazine	100	66.0	66	56-116	
Naphthalene	100	80.4	80	63-101	
Benzaldehyde	100	120	120	52-150	
4-Chloroaniline	100	86.7	87	58-105	
Benzo[a]pyrene	100	77.4	77	58-101	
Hexachlorobutadiene	100	79.7	80	52-99	
Benzo[k]fluoranthene	100	84.2	84	66-114	
Caprolactam	100	20.3	20	10-30	
Carbazole	100	81.5	81	67-110	
Hexachlorocyclopentadiene	100	69.4	69	40-105	
Dibenz(a,h)anthracene	100	78.6	79	67-124	
2,4,5-Trichlorophenol	100	85.7	86	67-114	
Dimethyl phthalate	100	84.4	84	69-111	
2-Chloronaphthalene	100	82.6	83	65-107	
Fluoranthene	100	83.1	83	68-108	
Fluorene	100	80.6	81	68-105	
2,6-Dinitrotoluene	100	83.1	83	68-114	
Acenaphthylene	100	81.0	81	67-107	
3-Nitroaniline	100	93.2	93	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.: 460-44765-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: z12858.d
 Lab ID: LCS 460-128629/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
N-Nitrosodi-n-propylamine	100	77.1	77	70-109	
Acenaphthene	100	81.5	82	66-108	
2,4-Dinitrophenol	100	85.2	85	19-113	
Dibenzofuran	100	81.2	81	68-105	
Diethyl phthalate	100	83.4	83	66-109	
4,6-Dinitro-2-methylphenol	100	85.7	86	58-115	
N-Nitrosodiphenylamine	100	85.1	85	71-121	
4-Bromophenyl phenyl ether	100	85.1	85	66-110	
Hexachlorobenzene	100	85.6	86	65-107	
Pentachlorophenol	100	81.6	82	55-116	
Phenanthrene	100	81.4	81	68-110	
Anthracene	100	80.5	80	68-108	
Di-n-butyl phthalate	100	80.8	81	68-111	
Pyrene	100	79.9	80	61-110	
Butyl benzyl phthalate	100	76.5	76	66-115	
3,3'-Dichlorobenzidine	100	88.4	88	69-129	
Benzo[a]anthracene	100	80.1	80	65-106	
Chrysene	100	86.1	86	68-112	
Bis(2-ethylhexyl) phthalate	100	73.8	74	66-114	
Di-n-octyl phthalate	100	69.0	69	51-115	
Benzo[b]fluoranthene	100	76.2	76	65-111	
Indeno[1,2,3-cd]pyrene	100	69.8	70	68-121	
Benzo[g,h,i]perylene	100	80.2	80	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.: 460-44765-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: z12859.d
Lab ID: LCSD 460-128629/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1'-Biphenyl	100	86.3	86	5	30	66-112	
Phenol	100	31.2	31	2	30	12-44	
2,4,6-Trichlorophenol	100	90.4	90	7	30	67-111	
Bis(2-chloroethyl)ether	100	84.7	85	5	30	62-108	
2,4-Dichlorophenol	100	89.7	90	7	30	64-107	
2-Chlorophenol	100	80.8	81	4	30	53-101	
2,4-Dinitrotoluene	100	84.9	85	6	30	65-113	
2,2'-oxybis[1-chloropropane]	100	85.1	85	2	30	68-107	
Acetophenone	100	85.9	86	6	30	68-109	
2-Methylnaphthalene	100	85.4	85	5	30	66-102	
4-Methylphenol	100	60.4	60	3	30	30-75	
2-Methylphenol	100	66.6	67	3	30	40-90	
2-Nitroaniline	100	82.3	82	5	30	73-116	
Hexachloroethane	100	78.2	78	1	30	50-99	
Nitrobenzene	100	80.0	80	3	30	66-106	
4-Chloro-3-methylphenol	100	81.0	81	4	30	57-106	
Isophorone	100	77.2	77	1	30	68-108	
2-Nitrophenol	100	87.0	87	8	30	65-107	
4-Chlorophenyl phenyl ether	100	86.7	87	4	30	68-105	
2,4-Dimethylphenol	100	80.7	81	5	30	55-100	
4-Nitroaniline	100	102	102	2	30	49-119	
4-Nitrophenol	100	19.6 J	20	9	30	10-44	
Bis(2-chloroethoxy)methane	100	86.9	87	6	30	69-108	
Atrazine	100	61.9	62	6	30	56-116	
Naphthalene	100	83.5	83	4	30	63-101	
Benzaldehyde	100	132	132	10	30	52-150	
4-Chloroaniline	100	85.2	85	2	30	58-105	
Benzo[a]pyrene	100	81.8	82	6	30	58-101	
Hexachlorobutadiene	100	80.5	80	1	30	52-99	
Benzo[k]fluoranthene	100	88.2	88	5	30	66-114	
Caprolactam	100	21.7	22	7	30	10-30	
Carbazole	100	85.2	85	4	30	67-110	
Hexachlorocyclopentadiene	100	70.1	70	1	30	40-105	
Dibenz(a,h)anthracene	100	82.1	82	4	30	67-124	
2,4,5-Trichlorophenol	100	90.1	90	5	30	67-114	
Dimethyl phthalate	100	89.8	90	6	30	69-111	
2-Chloronaphthalene	100	85.2	85	3	30	65-107	
Fluoranthene	100	86.4	86	4	30	68-108	
Fluorene	100	85.6	86	6	30	68-105	
2,6-Dinitrotoluene	100	87.3	87	5	30	68-114	
Acenaphthylene	100	85.1	85	5	30	67-107	
3-Nitroaniline	100	97.3	97	4	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.: 460-44765-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: z12859.d
 Lab ID: LCSD 460-128629/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
N-Nitrosodi-n-propylamine	100	80.2	80	4	30	70-109	
Acenaphthene	100	85.7	86	5	30	66-108	
2,4-Dinitrophenol	100	94.8	95	11	30	19-113	
Dibenzofuran	100	85.2	85	5	30	68-105	
Diethyl phthalate	100	87.1	87	4	30	66-109	
4,6-Dinitro-2-methylphenol	100	93.0	93	8	30	58-115	
N-Nitrosodiphenylamine	100	92.2	92	8	30	71-121	
4-Bromophenyl phenyl ether	100	87.6	88	3	30	66-110	
Hexachlorobenzene	100	88.1	88	3	30	65-107	
Pentachlorophenol	100	85.0	85	4	30	55-116	
Phenanthrene	100	84.6	85	4	30	68-110	
Anthracene	100	82.8	83	3	30	68-108	
Di-n-butyl phthalate	100	84.2	84	4	30	68-111	
Pyrene	100	83.4	83	4	30	61-110	
Butyl benzyl phthalate	100	81.7	82	7	30	66-115	
3,3'-Dichlorobenzidine	100	94.3	94	6	30	69-129	
Benzo[a]anthracene	100	82.8	83	3	30	65-106	
Chrysene	100	88.9	89	3	30	68-112	
Bis(2-ethylhexyl) phthalate	100	77.7	78	5	30	66-114	
Di-n-octyl phthalate	100	72.7	73	5	30	51-115	
Benzo[b]fluoranthene	100	76.7	77	1	30	65-111	
Indeno[1,2,3-cd]pyrene	100	74.1	74	6	30	68-121	
Benzo[g,h,i]perylene	100	84.3	84	5	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.: 460-44765-1
SDG No.: _____
Lab File ID: z12857.d Lab Sample ID: MB 460-128629/1-A
Matrix: Water Date Extracted: 09/20/2012 11:57
Instrument ID: BNAMS11 Date Analyzed: 09/26/2012 05:23
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-128629/2-A	z12858.d	09/26/2012 06:35
	LCSD 460-128629/3-A	z12859.d	09/26/2012 06:59
SW-17338-091712-SW5-MM-200	460-44765-1	z12860.d	09/26/2012 07:23
SW-17338-091712-SW4-MM-201	460-44765-2	z12861.d	09/26/2012 07:46
SW-17338-091712-SW3-MM-202	460-44765-3	z12862.d	09/26/2012 08:10
SW-17338-091712-SW2-MM-203	460-44765-4	z12863.d	09/26/2012 08:34
SW-17338-091712-SW1-MM-204	460-44765-5	z12864.d	09/26/2012 08:58

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

Lab Name: TestAmerica Edison Job No.: 460-44765-1
SDG No.: _____
Lab File ID: z12847.d DFTPP Injection Date: 09/26/2012
Instrument ID: BNAMS11 DFTPP Injection Time: 00:14
Analysis Batch No.: 129427

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	51.3
68	Less than 2.0 % of mass 69	0.9 (1.8) 1
69	Mass 69 relative abundance	52.6
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	56.9
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	7.9
275	10.0 - 30.0 % of mass 198	24.7
365	Greater than 1.0 % of mass 198	3.0
441	Present but less than mass 443	9.4 (65.1) 1
442	Greater than 40.0 % of mass 198	70.8
443	17.0 - 23.0 % of mass 442	14.5 (20.5) 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 460-129427/2	z12848.d	09/26/2012	01:38
	IC 460-129427/3	z12849.d	09/26/2012	02:02
	IC 460-129427/4	z12850.d	09/26/2012	02:26
	IC 460-129427/5	z12851.d	09/26/2012	02:50
	IC 460-129427/6	z12853.d	09/26/2012	03:37
	MB 460-128629/1-A	z12857.d	09/26/2012	05:23
	LCS 460-128629/2-A	z12858.d	09/26/2012	06:35
	LCSD 460-128629/3-A	z12859.d	09/26/2012	06:59
SW-17338-091712-SW5-MM-200	460-44765-1	z12860.d	09/26/2012	07:23
SW-17338-091712-SW4-MM-201	460-44765-2	z12861.d	09/26/2012	07:46
SW-17338-091712-SW3-MM-202	460-44765-3	z12862.d	09/26/2012	08:10
SW-17338-091712-SW2-MM-203	460-44765-4	z12863.d	09/26/2012	08:34
SW-17338-091712-SW1-MM-204	460-44765-5	z12864.d	09/26/2012	08:58
	CCV 460-129428/1	z12865.d	09/26/2012	09:22

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

Lab Name: TestAmerica Edison Job No.: 460-44765-1
 SDG No.: _____
 Sample No.: ICIS 460-129427/2 Date Analyzed: 09/26/2012 01:38
 Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm)
 Lab File ID (Standard): z12848.d Heated Purge: (Y/N) N
 Calibration ID: 17752

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		411325	3.89	1535657	5.18	663285	6.93
UPPER LIMIT		822650	4.39	3071314	5.68	1326570	7.43
LOWER LIMIT		205663	3.39	767829	4.68	331643	6.43
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-128629/1-A		529485	3.88	2057211	5.17	978997	6.92
LCS 460-128629/2-A		499619	3.89	1876123	5.18	811250	6.93
LCSD 460-128629/3-A		549946	3.89	2039961	5.18	875597	6.93
460-44765-1	SW-17338-091712-SW5-M M-200	528723	3.88	2024197	5.17	942312	6.92
460-44765-2	SW-17338-091712-SW4-M M-201	521206	3.88	1987610	5.17	910858	6.92
460-44765-3	SW-17338-091712-SW3-M M-202	513471	3.88	1956707	5.17	904611	6.92
460-44765-4	SW-17338-091712-SW2-M M-203	556986	3.88	2100867	5.18	948942	6.92
460-44765-5	SW-17338-091712-SW1-M M-204	526706	3.88	2009562	5.17	924143	6.92

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.: 460-44765-1
 SDG No.: _____
 Sample No.: ICIS 460-129427/2 Date Analyzed: 09/26/2012 01:38
 Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm)
 Lab File ID (Standard): z12848.d Heated Purge: (Y/N) N
 Calibration ID: 17752

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		709275	8.38	278371	11.05	206897	12.83
UPPER LIMIT		1418550	8.88	556742	11.55	413794	13.33
LOWER LIMIT		354638	7.88	139186	10.55	103449	12.33
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-128629/1-A		1220020	8.38	482434	11.04	288250	12.83
LCS 460-128629/2-A		877750	8.38	362676	11.05	275653	12.83
LCSD 460-128629/3-A		947971	8.38	388341	11.05	300224	12.84
460-44765-1	SW-17338-091712-SW5-M M-200	1161381	8.38	444240	11.04	275666	12.83
460-44765-2	SW-17338-091712-SW4-M M-201	1115194	8.38	425899	11.04	267897	12.83
460-44765-3	SW-17338-091712-SW3-M M-202	1105296	8.38	408438	11.04	256418	12.83
460-44765-4	SW-17338-091712-SW2-M M-203	1090012	8.38	379175	11.04	253129	12.83
460-44765-5	SW-17338-091712-SW1-M M-204	1128598	8.38	444406	11.04	280555	12.83

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.: 460-44765-1
 SDG No.: _____
 Client Sample ID: SW-17338-091712-SW5-MM-20 Lab Sample ID: 460-44765-1
 Matrix: Water Lab File ID: z12860.d
 Analysis Method: 8270C Date Collected: 09/17/2012 09:40
 Extract. Method: 3510C Date Extracted: 09/20/2012 11:57
 Sample wt/vol: 970 (mL) Date Analyzed: 09/26/2012 07:23
 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.: 129427 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	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
50-32-8	Benzo[a]pyrene	0.14	U	1.0	0.14
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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Client Sample ID: SW-17338-091712-SW5-MM-20 Lab Sample ID: 460-44765-1

Matrix: Water Lab File ID: z12860.d

Analysis Method: 8270C Date Collected: 09/17/2012 09:40

Extract. Method: 3510C Date Extracted: 09/20/2012 11:57

Sample wt/vol: 970 (mL) Date Analyzed: 09/26/2012 07:23

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.: 129427 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	2.7	U	10	2.7
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
118-74-1	Hexachlorobenzene	0.30	U	1.0	0.30
87-86-5	Pentachlorophenol	5.5	U	31	5.5
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
56-55-3	Benzo[a]anthracene	0.28	U	1.0	0.28
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
205-99-2	Benzo[b]fluoranthene	0.27	U	1.0	0.27
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.: 460-44765-1
SDG No.: _____
Client Sample ID: SW-17338-091712-SW5-MM-20 Lab Sample ID: 460-44765-1
Matrix: Water Lab File ID: z12860.d
Analysis Method: 8270C Date Collected: 09/17/2012 09:40
Extract. Method: 3510C Date Extracted: 09/20/2012 11:57
Sample wt/vol: 970 (mL) Date Analyzed: 09/26/2012 07:23
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.: 129427 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	98		46-122
321-60-8	2-Fluorobiphenyl	90		53-108
367-12-4	2-Fluorophenol (Surr)	44		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	88		56-112
4165-62-2	Phenol-d5 (Surr)	28		10-48
1718-51-0	Terphenyl-d14 (Surr)	97		50-122

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

Lab Name: TestAmerica Edison Job No.: 460-44765-1
SDG No.: _____
Client Sample ID: SW-17338-091712-SW5-MM-20 Lab Sample ID: 460-44765-1
Matrix: Water Lab File ID: z12860.d
Analysis Method: 8270C Date Collected: 09/17/2012 09:40
Extract. Method: 3510C Date Extracted: 09/20/2012 11:57
Sample wt/vol: 970 (mL) Date Analyzed: 09/26/2012 07:23
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.: 129427 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/8270/09-26-12del/26sep12.b/z12860.d
 Report Date: 26-Sep-2012 14:01

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12860.d
 Lab Smp Id: 460-44765-B-1-A
 Inj Date : 26-SEP-2012 07:23
 Operator : BNAMS 4
 Smp Info : 460-44765-B-1-A
 Misc Info : 460-44765-B-1-A
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/8270Cdel_08.m
 Meth Date : 26-Sep-2012 13:40 croccom Quant Type: ISTD
 Cal Date : 26-SEP-2012 01:38 Cal File: z12848.d
 Als bottle: 14
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1
 Inst ID: BNAMS11.i
 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	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)
=====	====	==	=====	=====	=====	=====	=====
\$ 16 2-Fluorophenol (SUR)	112	2.625	2.625	(0.676)	440546	21.9128	45
\$ 17 Phenol-d5 (SUR)	99	3.531	3.531	(0.909)	341158	13.8089	28
* 79 1,4-Dichlorobenzene-d4	152	3.884	3.884	(1.000)	528723	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)	82	4.454	4.449	(0.861)	1042592	44.0583	91
* 80 Naphthalene-d8	136	5.172	5.172	(1.000)	2024197	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)	172	6.266	6.266	(0.905)	1472107	44.8279	92
* 82 Acenaphthene-d10	164	6.925	6.925	(1.000)	942312	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.701	7.695	(1.112)	127639	49.1536	100
* 83 Phenanthrene-d10	188	8.377	8.378	(1.000)	1161381	40.0000	
\$ 78 Terphenyl-d14	244	9.948	9.948	(0.901)	665114	48.6710	100
* 81 Chrysene-d12	240	11.042	11.042	(1.000)	444240	40.0000	
* 84 Perylene-d12	264	12.830	12.830	(1.000)	275666	40.0000	

Data File: z12860.d

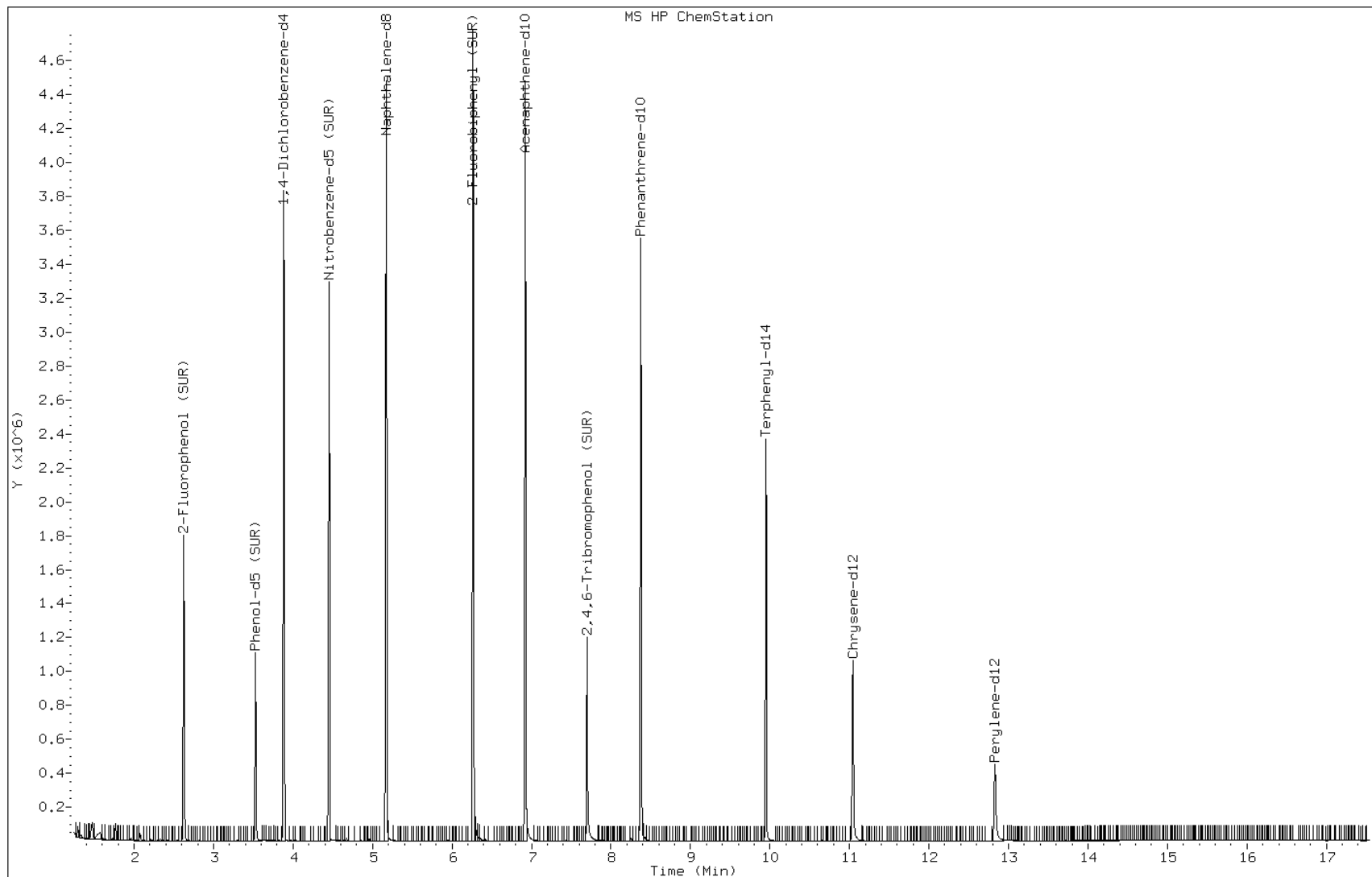
Date: 26-SEP-2012 07:23

Client ID:

Instrument: BNAMS11.i

Sample Info: 460-44765-B-1-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-44765-1</u>
SDG No.: _____	
Client Sample ID: <u>SW-17338-091712-SW4-MM-20</u>	Lab Sample ID: <u>460-44765-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>z12861.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/17/2012 10:50</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>09/20/2012 11:57</u>
Sample wt/vol: <u>980 (mL)</u>	Date Analyzed: <u>09/26/2012 07:46</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>129427</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2.9	U	10	2.9
108-95-2	Phenol	0.83	U	10	0.83
88-06-2	2,4,6-Trichlorophenol	2.4	U	10	2.4
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	2.2	U	10	2.2
121-14-2	2,4-Dinitrotoluene	0.48	U	2.0	0.48
108-60-1	2,2'-oxybis[1-chloropropane]	2.0	U	10	2.0
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	1.8	U	10	1.8
88-74-4	2-Nitroaniline	5.0	U	20	5.0
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	2.4	U	10	2.4
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	5.9	U	20	5.9
100-02-7	4-Nitrophenol	6.8	U	31	6.8
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	2.0	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	0.58	U	2.0	0.58
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	1.7	U	10	1.7
53-70-3	Dibenz(a,h)anthracene	0.092	U	1.0	0.092

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1
 SDG No.: _____
 Client Sample ID: SW-17338-091712-SW4-MM-20 Lab Sample ID: 460-44765-2
 Matrix: Water Lab File ID: z12861.d
 Analysis Method: 8270C Date Collected: 09/17/2012 10:50
 Extract. Method: 3510C Date Extracted: 09/20/2012 11:57
 Sample wt/vol: 980 (mL) Date Analyzed: 09/26/2012 07:46
 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.: 129427 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	2.7	U	10	2.7
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	0.62	U	2.0	0.62
208-96-8	Acenaphthylene	2.8	U	10	2.8
99-09-2	3-Nitroaniline	5.1	U	20	5.1
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	5.5	U	31	5.5
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
118-74-1	Hexachlorobenzene	0.30	U	1.0	0.30
87-86-5	Pentachlorophenol	5.4	U	31	5.4
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	5.0	U	20	5.0
56-55-3	Benzo[a]anthracene	0.28	U	1.0	0.28
218-01-9	Chrysene	3.2	U	10	3.2
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	0.27	U	1.0	0.27
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.: 460-44765-1
SDG No.: _____
Client Sample ID: SW-17338-091712-SW4-MM-20 Lab Sample ID: 460-44765-2
Matrix: Water Lab File ID: z12861.d
Analysis Method: 8270C Date Collected: 09/17/2012 10:50
Extract. Method: 3510C Date Extracted: 09/20/2012 11:57
Sample wt/vol: 980 (mL) Date Analyzed: 09/26/2012 07:46
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.: 129427 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	101		46-122
321-60-8	2-Fluorobiphenyl	94		53-108
367-12-4	2-Fluorophenol (Surr)	43		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	91		56-112
4165-62-2	Phenol-d5 (Surr)	27		10-48
1718-51-0	Terphenyl-d14 (Surr)	99		50-122

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

Lab Name: TestAmerica Edison Job No.: 460-44765-1
SDG No.: _____
Client Sample ID: SW-17338-091712-SW4-MM-20 Lab Sample ID: 460-44765-2
Matrix: Water Lab File ID: z12861.d
Analysis Method: 8270C Date Collected: 09/17/2012 10:50
Extract. Method: 3510C Date Extracted: 09/20/2012 11:57
Sample wt/vol: 980 (mL) Date Analyzed: 09/26/2012 07:46
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.: 129427 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/8270/09-26-12del/26sep12.b/z12861.d
 Report Date: 26-Sep-2012 14:02

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12861.d
 Lab Smp Id: 460-44765-B-2-A
 Inj Date : 26-SEP-2012 07:46
 Operator : BNAMS 4 Inst ID: BNAMS11.i
 Smp Info : 460-44765-B-2-A
 Misc Info : 460-44765-B-2-A
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/8270Cdel_08.m
 Meth Date : 26-Sep-2012 13:40 croccom Quant Type: ISTD
 Cal Date : 26-SEP-2012 01:38 Cal File: z12848.d
 Als bottle: 15
 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	980.00000	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	2.625	2.625	(0.676)	426528	21.5216	44	
\$ 17 Phenol-d5 (SUR)	99	3.531	3.531	(0.909)	334775	13.7460	28	
* 79 1,4-Dichlorobenzene-d4	152	3.884	3.884	(1.000)	521206	40.0000		
\$ 76 Nitrobenzene-d5 (SUR)	82	4.454	4.449	(0.861)	1055992	45.4460	93	
* 80 Naphthalene-d8	136	5.172	5.172	(1.000)	1987610	40.0000		
\$ 77 2-Fluorobiphenyl (SUR)	172	6.266	6.266	(0.905)	1494084	47.0683	96	
* 82 Acenaphthene-d10	164	6.925	6.925	(1.000)	910858	40.0000		
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.701	7.695	(1.112)	126221	50.2861	100	
* 83 Phenanthrene-d10	188	8.378	8.378	(1.000)	1115194	40.0000		
\$ 78 Terphenyl-d14	244	9.948	9.948	(0.901)	647676	49.4360	100	
* 81 Chrysene-d12	240	11.042	11.042	(1.000)	425899	40.0000		
* 84 Perylene-d12	264	12.830	12.830	(1.000)	267897	40.0000		

Data File: z12861.d

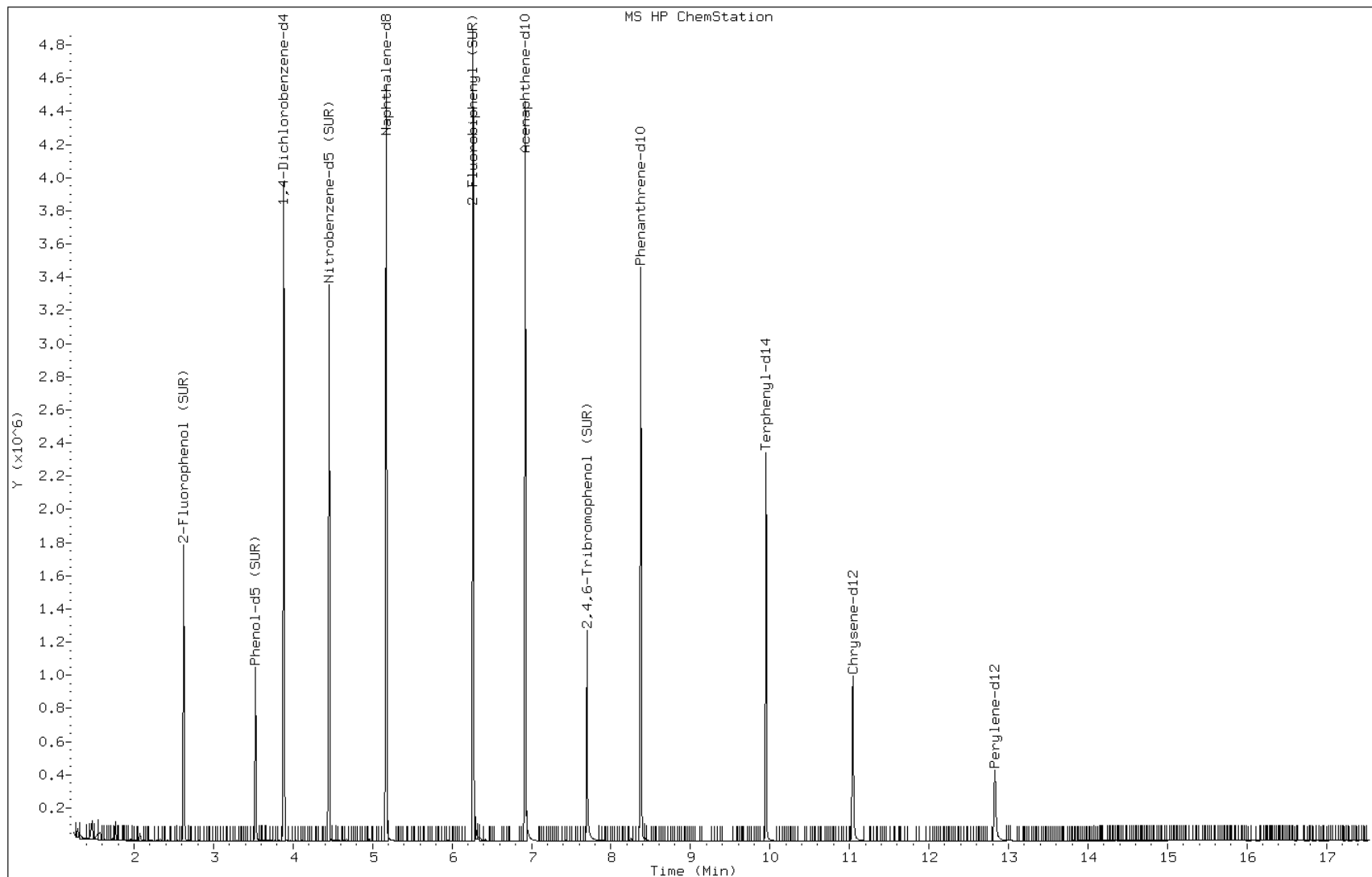
Date: 26-SEP-2012 07:46

Client ID:

Instrument: BNAMS11.i

Sample Info: 460-44765-B-2-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-44765-1</u>
SDG No.: _____	
Client Sample ID: <u>SW-17338-091712-SW3-MM-20</u>	Lab Sample ID: <u>460-44765-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>z12862.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/17/2012 11:20</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>09/20/2012 11:57</u>
Sample wt/vol: <u>950 (mL)</u>	Date Analyzed: <u>09/26/2012 08:10</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>129427</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2.9	U	11	2.9
108-95-2	Phenol	0.85	U	11	0.85
88-06-2	2,4,6-Trichlorophenol	2.5	U	11	2.5
111-44-4	Bis(2-chloroethyl) ether	0.29	U	1.1	0.29
120-83-2	2,4-Dichlorophenol	2.7	U	11	2.7
95-57-8	2-Chlorophenol	2.3	U	11	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	11	2.1
98-86-2	Acetophenone	2.8	U	11	2.8
91-57-6	2-Methylnaphthalene	3.2	U	11	3.2
106-44-5	4-Methylphenol	1.7	U	11	1.7
95-48-7	2-Methylphenol	1.9	U	11	1.9
88-74-4	2-Nitroaniline	5.2	U	21	5.2
67-72-1	Hexachloroethane	0.26	U	1.1	0.26
98-95-3	Nitrobenzene	0.32	U	1.1	0.32
59-50-7	4-Chloro-3-methylphenol	2.6	U	11	2.6
78-59-1	Isophorone	2.8	U	11	2.8
88-75-5	2-Nitrophenol	2.5	U	11	2.5
7005-72-3	4-Chlorophenyl phenyl ether	2.6	U	11	2.6
105-67-9	2,4-Dimethylphenol	3.6	U	11	3.6
100-01-6	4-Nitroaniline	6.1	U	21	6.1
100-02-7	4-Nitrophenol	7.1	U	32	7.1
111-91-1	Bis(2-chloroethoxy)methane	2.7	U	11	2.7
1912-24-9	Atrazine	3.2	U	11	3.2
91-20-3	Naphthalene	2.8	U	11	2.8
100-52-7	Benzaldehyde	2.1	U	11	2.1
106-47-8	4-Chloroaniline	2.1	U	11	2.1
50-32-8	Benzo[a]pyrene	0.15	U	1.1	0.15
87-68-3	Hexachlorobutadiene	0.60	U	2.1	0.60
207-08-9	Benzo[k]fluoranthene	0.27	U	1.1	0.27
105-60-2	Caprolactam	2.6	U	11	2.6
86-74-8	Carbazole	3.4	U	11	3.4
77-47-4	Hexachlorocyclopentadiene	1.8	U	11	1.8
53-70-3	Dibenz(a,h)anthracene	0.095	U	1.1	0.095

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Client Sample ID: SW-17338-091712-SW3-MM-20 Lab Sample ID: 460-44765-3

Matrix: Water Lab File ID: z12862.d

Analysis Method: 8270C Date Collected: 09/17/2012 11:20

Extract. Method: 3510C Date Extracted: 09/20/2012 11:57

Sample wt/vol: 950 (mL) Date Analyzed: 09/26/2012 08:10

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.: 129427 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	2.7	U	11	2.7
131-11-3	Dimethyl phthalate	2.9	U	11	2.9
91-58-7	2-Chloronaphthalene	2.8	U	11	2.8
206-44-0	Fluoranthene	3.4	U	11	3.4
86-73-7	Fluorene	2.9	U	11	2.9
606-20-2	2,6-Dinitrotoluene	0.64	U	2.1	0.64
208-96-8	Acenaphthylene	2.8	U	11	2.8
99-09-2	3-Nitroaniline	5.3	U	21	5.3
621-64-7	N-Nitrosodi-n-propylamine	0.26	U	1.1	0.26
83-32-9	Acenaphthene	2.8	U	11	2.8
51-28-5	2,4-Dinitrophenol	5.7	U	32	5.7
132-64-9	Dibenzofuran	2.9	U	11	2.9
84-66-2	Diethyl phthalate	3.1	U	11	3.1
534-52-1	4,6-Dinitro-2-methylphenol	4.9	U	32	4.9
86-30-6	N-Nitrosodiphenylamine	3.1	U	11	3.1
101-55-3	4-Bromophenyl phenyl ether	2.6	U	11	2.6
118-74-1	Hexachlorobenzene	0.31	U	1.1	0.31
87-86-5	Pentachlorophenol	5.6	U	32	5.6
85-01-8	Phenanthrene	3.3	U	11	3.3
120-12-7	Anthracene	2.9	U	11	2.9
84-74-2	Di-n-butyl phthalate	3.1	U	11	3.1
129-00-0	Pyrene	3.1	U	11	3.1
85-68-7	Butyl benzyl phthalate	2.6	U	11	2.6
91-94-1	3,3'-Dichlorobenzidine	5.2	U	21	5.2
56-55-3	Benzo[a]anthracene	0.28	U	1.1	0.28
218-01-9	Chrysene	3.3	U	11	3.3
117-81-7	Bis(2-ethylhexyl) phthalate	2.1	U	11	2.1
117-84-0	Di-n-octyl phthalate	1.6	U	11	1.6
205-99-2	Benzo[b]fluoranthene	0.27	U	1.1	0.27
193-39-5	Indeno[1,2,3-cd]pyrene	0.16	U	1.1	0.16
191-24-2	Benzo[g,h,i]perylene	2.1	U	11	2.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1
SDG No.: _____
Client Sample ID: SW-17338-091712-SW3-MM-20 Lab Sample ID: 460-44765-3
Matrix: Water Lab File ID: z12862.d
Analysis Method: 8270C Date Collected: 09/17/2012 11:20
Extract. Method: 3510C Date Extracted: 09/20/2012 11:57
Sample wt/vol: 950 (mL) Date Analyzed: 09/26/2012 08:10
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.: 129427 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	102		46-122
321-60-8	2-Fluorobiphenyl	94		53-108
367-12-4	2-Fluorophenol (Surr)	44		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	91		56-112
4165-62-2	Phenol-d5 (Surr)	28		10-48
1718-51-0	Terphenyl-d14 (Surr)	103		50-122

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

Lab Name: TestAmerica Edison Job No.: 460-44765-1
SDG No.: _____
Client Sample ID: SW-17338-091712-SW3-MM-20 Lab Sample ID: 460-44765-3
Matrix: Water Lab File ID: z12862.d
Analysis Method: 8270C Date Collected: 09/17/2012 11:20
Extract. Method: 3510C Date Extracted: 09/20/2012 11:57
Sample wt/vol: 950 (mL) Date Analyzed: 09/26/2012 08:10
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.: 129427 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/8270/09-26-12del/26sep12.b/z12862.d
 Report Date: 26-Sep-2012 14:02

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12862.d
 Lab Smp Id: 460-44765-A-3-A Client Smp ID: SW-17338-091712-SW3
 Inj Date : 26-SEP-2012 08:10
 Operator : BNAMS 4 Inst ID: BNAMS11.i
 Smp Info : 460-44765-A-3-A
 Misc Info : 460-44765-A-3-A
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/8270Cdel_08.m
 Meth Date : 26-Sep-2012 13:40 croccom Quant Type: ISTD
 Cal Date : 26-SEP-2012 01:38 Cal File: z12848.d
 Als bottle: 16
 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	950.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
=====	=====	=====	==	=====	=====	=====	=====	=====
\$ 16 2-Fluorophenol (SUR)	112		2.625	2.625	(0.676)	428964	21.9705	46
\$ 17 Phenol-d5 (SUR)	99		3.531	3.531	(0.909)	332451	13.8562	29
* 79 1,4-Dichlorobenzene-d4	152		3.884	3.884	(1.000)	513471	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)	82		4.454	4.449	(0.861)	1042422	45.5705	96
* 80 Naphthalene-d8	136		5.172	5.172	(1.000)	1956707	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)	172		6.266	6.266	(0.905)	1474168	46.7616	98
* 82 Acenaphthene-d10	164		6.925	6.925	(1.000)	904611	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)	330		7.701	7.695	(1.112)	127600	51.1865	110
* 83 Phenanthrene-d10	188		8.377	8.378	(1.000)	1105296	40.0000	
\$ 78 Terphenyl-d14	244		9.954	9.948	(0.901)	646563	51.4608	110
* 81 Chrysene-d12	240		11.042	11.042	(1.000)	408438	40.0000	
* 84 Perylene-d12	264		12.830	12.830	(1.000)	256418	40.0000	

Data File: z12862.d

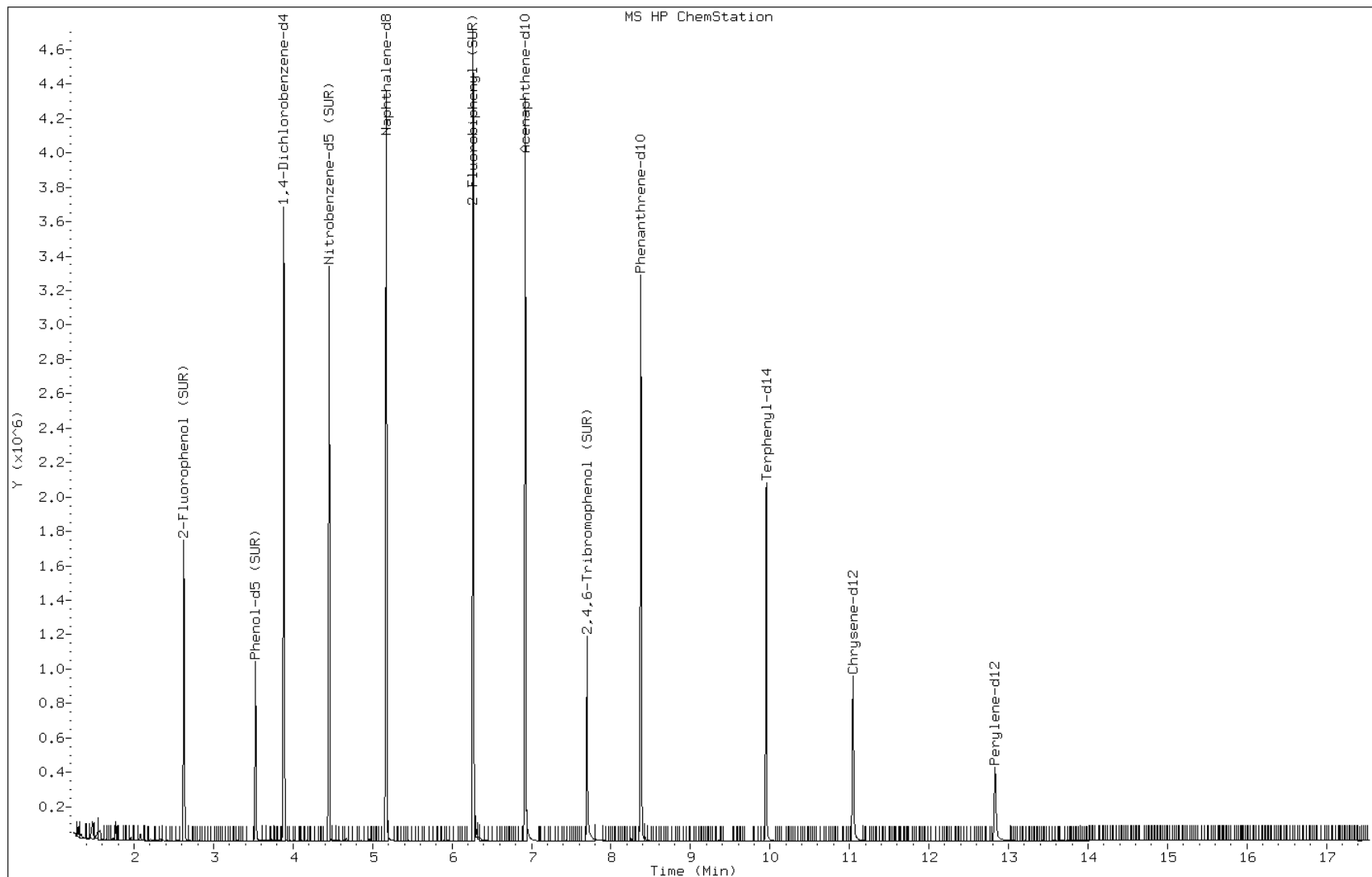
Date: 26-SEP-2012 08:10

Client ID: SW-17338-091712-SW3

Instrument: BNAMS11.i

Sample Info: 460-44765-A-3-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Client Sample ID: SW-17338-091712-SW2-MM-20 Lab Sample ID: 460-44765-4

Matrix: Water Lab File ID: z12863.d

Analysis Method: 8270C Date Collected: 09/17/2012 12:45

Extract. Method: 3510C Date Extracted: 09/20/2012 11:57

Sample wt/vol: 990 (mL) Date Analyzed: 09/26/2012 08:34

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.: 129427 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	0.82	U	10	0.82
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	5.9	U	20	5.9
100-02-7	4-Nitrophenol	6.8	U	30	6.8
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	0.58	U	2.0	0.58
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	0.091	U	1.0	0.091

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1
 SDG No.: _____
 Client Sample ID: SW-17338-091712-SW2-MM-20 Lab Sample ID: 460-44765-4
 Matrix: Water Lab File ID: z12863.d
 Analysis Method: 8270C Date Collected: 09/17/2012 12:45
 Extract. Method: 3510C Date Extracted: 09/20/2012 11:57
 Sample wt/vol: 990 (mL) Date Analyzed: 09/26/2012 08:34
 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.: 129427 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	0.62	U	2.0	0.62
208-96-8	Acenaphthylene	2.7	U	10	2.7
99-09-2	3-Nitroaniline	5.1	U	20	5.1
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	5.5	U	30	5.5
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	5.4	U	30	5.4
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.: 460-44765-1
SDG No.: _____
Client Sample ID: SW-17338-091712-SW2-MM-20 Lab Sample ID: 460-44765-4
Matrix: Water Lab File ID: z12863.d
Analysis Method: 8270C Date Collected: 09/17/2012 12:45
Extract. Method: 3510C Date Extracted: 09/20/2012 11:57
Sample wt/vol: 990 (mL) Date Analyzed: 09/26/2012 08:34
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.: 129427 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	100		46-122
321-60-8	2-Fluorobiphenyl	98		53-108
367-12-4	2-Fluorophenol (Surr)	45		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	95		56-112
4165-62-2	Phenol-d5 (Surr)	28		10-48
1718-51-0	Terphenyl-d14 (Surr)	105		50-122

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

Lab Name: TestAmerica Edison Job No.: 460-44765-1
SDG No.: _____
Client Sample ID: SW-17338-091712-SW2-MM-20 Lab Sample ID: 460-44765-4
Matrix: Water Lab File ID: z12863.d
Analysis Method: 8270C Date Collected: 09/17/2012 12:45
Extract. Method: 3510C Date Extracted: 09/20/2012 11:57
Sample wt/vol: 990 (mL) Date Analyzed: 09/26/2012 08:34
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.: 129427 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/8270/09-26-12del/26sep12.b/z12863.d
 Report Date: 26-Sep-2012 14:09

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12863.d
 Lab Smp Id: 460-44765-A-4-A Client Smp ID: SW-17338-091712-SW2
 Inj Date : 26-SEP-2012 08:34
 Operator : BNAMS 4 Inst ID: BNAMS11.i
 Smp Info : 460-44765-A-4-A
 Misc Info : 460-44765-A-4-A
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/8270Cdel_08.m
 Meth Date : 26-Sep-2012 13:40 croccom Quant Type: ISTD
 Cal Date : 26-SEP-2012 01:38 Cal File: z12848.d
 Als bottle: 17
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allh20.sub
 Target Version: 3.50
 Processing Host: hpd1

Concentration Formula: $\text{Amt} * \text{DF} * 1000 * \text{Vt} / \text{Vo} * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	990.00000	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	2.625	2.625	(0.676)	472877	22.3275	45
\$ 17 Phenol-d5 (SUR)	99	3.531	3.531	(0.909)	370467	14.2344	29
* 79 1,4-Dichlorobenzene-d4	152	3.884	3.884	(1.000)	556986	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)	82	4.454	4.449	(0.860)	1162958	47.3512	96
* 80 Naphthalene-d8	136	5.178	5.172	(1.000)	2100867	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)	172	6.272	6.266	(0.906)	1621994	49.0471	99
* 82 Acenaphthene-d10	164	6.925	6.925	(1.000)	948942	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.701	7.695	(1.112)	130859	50.0415	100
* 83 Phenanthrene-d10	188	8.378	8.378	(1.000)	1090012	40.0000	
\$ 78 Terphenyl-d14	244	9.948	9.948	(0.901)	612434	52.5063	110
* 81 Chrysene-d12	240	11.042	11.042	(1.000)	379175	40.0000	
* 84 Perylene-d12	264	12.830	12.830	(1.000)	253129	40.0000	

Data File: z12863.d

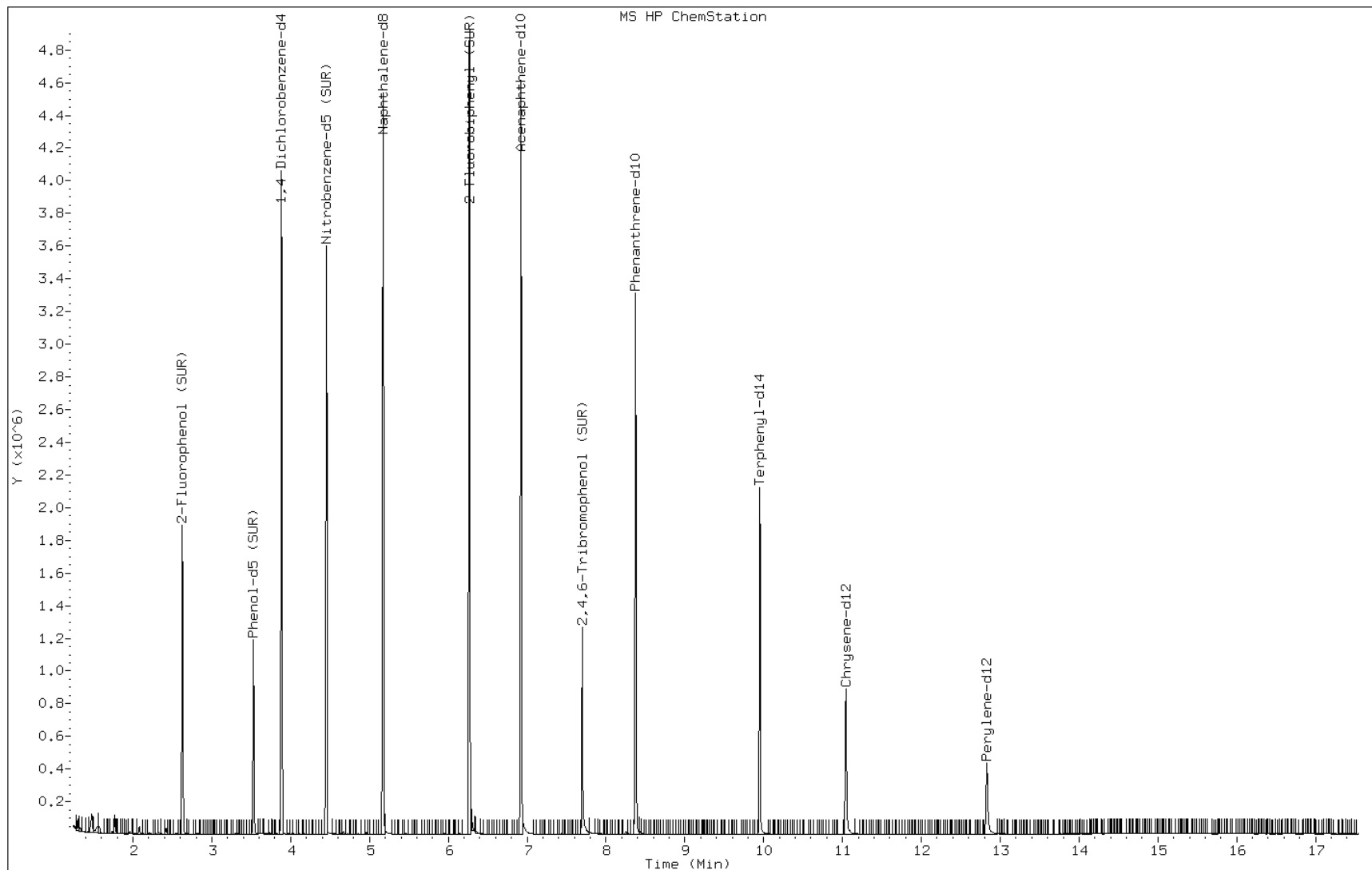
Date: 26-SEP-2012 08:34

Client ID: SW-17338-091712-SW2

Instrument: BNAMS11.i

Sample Info: 460-44765-A-4-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Client Sample ID: SW-17338-091712-SW1-MM-20 Lab Sample ID: 460-44765-5

Matrix: Water Lab File ID: z12864.d

Analysis Method: 8270C Date Collected: 09/17/2012 13:45

Extract. Method: 3510C Date Extracted: 09/20/2012 11:57

Sample wt/vol: 980 (mL) Date Analyzed: 09/26/2012 08:58

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.: 129427 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	0.83	U	10	0.83
88-06-2	2,4,6-Trichlorophenol	2.4	U	10	2.4
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	2.2	U	10	2.2
121-14-2	2,4-Dinitrotoluene	0.48	U	2.0	0.48
108-60-1	2,2'-oxybis[1-chloropropane]	2.0	U	10	2.0
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	1.8	U	10	1.8
88-74-4	2-Nitroaniline	5.0	U	20	5.0
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	2.4	U	10	2.4
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	5.9	U	20	5.9
100-02-7	4-Nitrophenol	6.8	U	31	6.8
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	2.0	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	0.58	U	2.0	0.58
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	1.7	U	10	1.7
53-70-3	Dibenz(a,h)anthracene	0.092	U	1.0	0.092

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Client Sample ID: SW-17338-091712-SW1-MM-20 Lab Sample ID: 460-44765-5

Matrix: Water Lab File ID: z12864.d

Analysis Method: 8270C Date Collected: 09/17/2012 13:45

Extract. Method: 3510C Date Extracted: 09/20/2012 11:57

Sample wt/vol: 980 (mL) Date Analyzed: 09/26/2012 08:58

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.: 129427 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	2.7	U	10	2.7
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	0.62	U	2.0	0.62
208-96-8	Acenaphthylene	2.8	U	10	2.8
99-09-2	3-Nitroaniline	5.1	U	20	5.1
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	5.5	U	31	5.5
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
118-74-1	Hexachlorobenzene	0.30	U	1.0	0.30
87-86-5	Pentachlorophenol	5.4	U	31	5.4
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	5.0	U	20	5.0
56-55-3	Benzo[a]anthracene	0.28	U	1.0	0.28
218-01-9	Chrysene	3.2	U	10	3.2
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	0.27	U	1.0	0.27
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.: 460-44765-1
SDG No.: _____
Client Sample ID: SW-17338-091712-SW1-MM-20 Lab Sample ID: 460-44765-5
Matrix: Water Lab File ID: z12864.d
Analysis Method: 8270C Date Collected: 09/17/2012 13:45
Extract. Method: 3510C Date Extracted: 09/20/2012 11:57
Sample wt/vol: 980 (mL) Date Analyzed: 09/26/2012 08:58
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.: 129427 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	107		46-122
321-60-8	2-Fluorobiphenyl	97		53-108
367-12-4	2-Fluorophenol (Surr)	47		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	94		56-112
4165-62-2	Phenol-d5 (Surr)	29		10-48
1718-51-0	Terphenyl-d14 (Surr)	102		50-122

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

Lab Name: TestAmerica Edison Job No.: 460-44765-1
SDG No.: _____
Client Sample ID: SW-17338-091712-SW1-MM-20 Lab Sample ID: 460-44765-5
Matrix: Water Lab File ID: z12864.d
Analysis Method: 8270C Date Collected: 09/17/2012 13:45
Extract. Method: 3510C Date Extracted: 09/20/2012 11:57
Sample wt/vol: 980 (mL) Date Analyzed: 09/26/2012 08:58
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.: 129427 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/8270/09-26-12del/26sep12.b/z12864.d
 Report Date: 26-Sep-2012 14:10

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12864.d
 Lab Smp Id: 460-44765-B-5-A Client Smp ID: SW-17338-091712-SW1
 Inj Date : 26-SEP-2012 08:58
 Operator : BNAMS 4 Inst ID: BNAMS11.i
 Smp Info : 460-44765-B-5-A
 Misc Info : 460-44765-B-5-A
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/8270Cdel_08.m
 Meth Date : 26-Sep-2012 13:40 croccom Quant Type: ISTD
 Cal Date : 26-SEP-2012 01:38 Cal File: z12848.d
 Als bottle: 18
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allh20.sub
 Target Version: 3.50
 Processing Host: hpd1

Concentration Formula: $\text{Amt} * \text{DF} * 1000 * \text{Vt} / \text{Vo} * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	980.00000	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	2.625	2.625	(0.676)	468291	23.3821	48	
\$ 17 Phenol-d5 (SUR)	99	3.531	3.531	(0.909)	358744	14.5764	30	
* 79 1,4-Dichlorobenzene-d4	152	3.884	3.884	(1.000)	526706	40.0000		
\$ 76 Nitrobenzene-d5 (SUR)	82	4.454	4.449	(0.861)	1104379	47.0092	96	
* 80 Naphthalene-d8	136	5.172	5.172	(1.000)	2009562	40.0000		
\$ 77 2-Fluorobiphenyl (SUR)	172	6.266	6.266	(0.905)	1557689	48.3666	99	
* 82 Acenaphthene-d10	164	6.925	6.925	(1.000)	924143	40.0000		
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.701	7.695	(1.112)	135837	53.3391	110	
* 83 Phenanthrene-d10	188	8.377	8.378	(1.000)	1128598	40.0000		
\$ 78 Terphenyl-d14	244	9.948	9.948	(0.901)	694932	50.8340	100	
* 81 Chrysene-d12	240	11.042	11.042	(1.000)	444406	40.0000		
* 84 Perylene-d12	264	12.830	12.830	(1.000)	280555	40.0000		

Data File: z12864.d

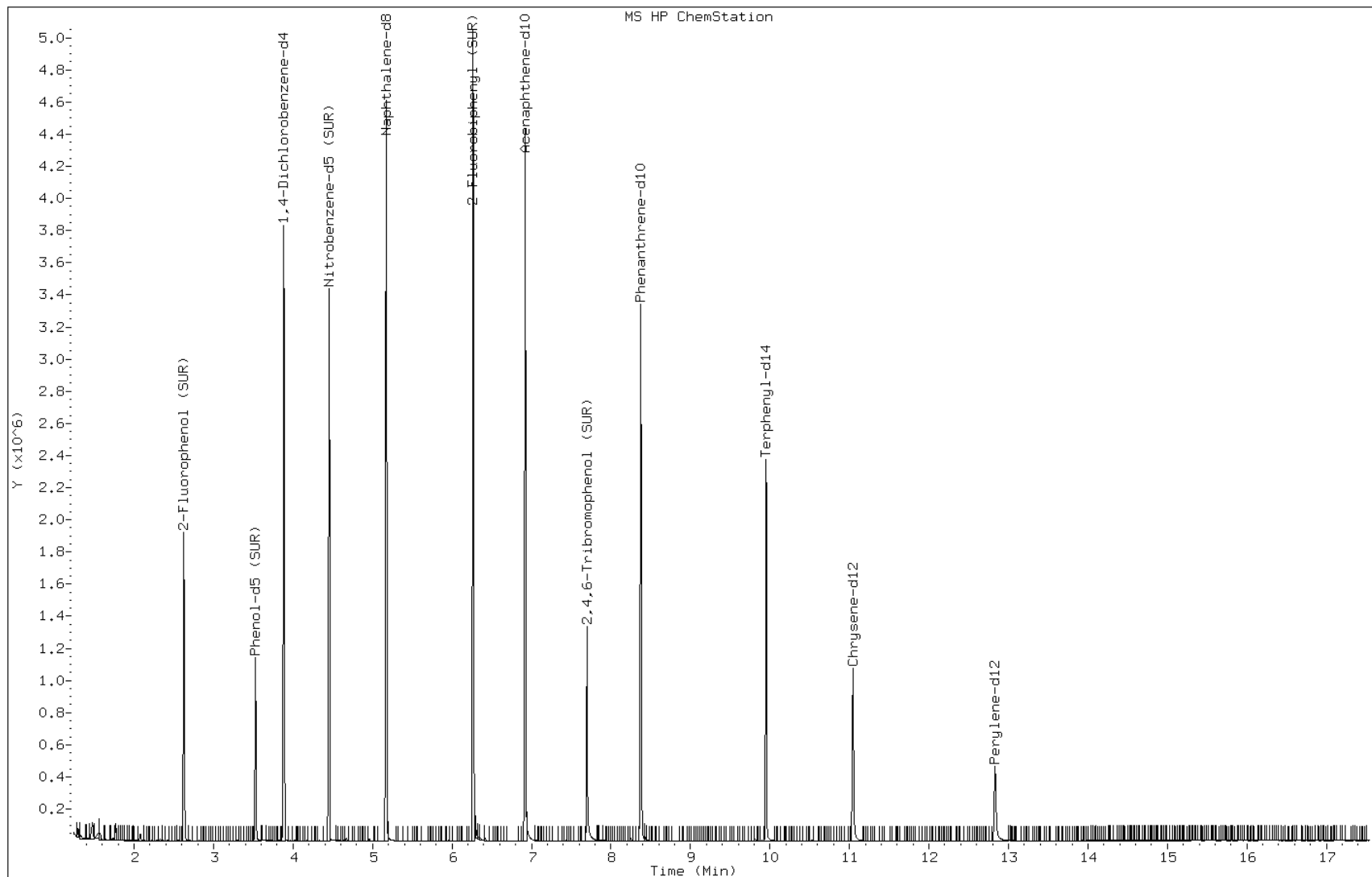
Date: 26-SEP-2012 08:58

Client ID: SW-17338-091712-SW1

Instrument: BNAMS11.i

Sample Info: 460-44765-B-5-A

Operator: BNAMS 4



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

Lab Name: TestAmerica Edison Job No.: 460-44765-1 Analy Batch No.: 129427

SDG No.: _____

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

Calibration Start Date: 09/26/2012 01:38 Calibration End Date: 09/26/2012 03:37 Calibration ID: 17752

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-129427/6	z12853.d
Level 2	IC 460-129427/5	z12851.d
Level 3	ICIS 460-129427/2	z12848.d
Level 4	IC 460-129427/4	z12850.d
Level 5	IC 460-129427/3	z12849.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	0.7602	0.7327	0.7774	0.6812	0.7420	Ave		0.7387			0.0500	4.9		30.0			
N-Nitrosodimethylamine	1.0592	1.0576	1.1092	1.0152	1.0971	Ave		1.0677			0.0500	3.5		30.0			
Pyridine	1.8831	1.9032	1.8840	1.7388	1.8814	Ave		1.8581			0.0500	3.6		30.0			
2,3,7,8-TCDD	++++	++++	0.2311	++++	++++	Ave		0.2311			0.0500			30.0			
Benzaldehyde	1.1384	0.9537	0.7722	0.4163	0.2651	Ave		0.7091			0.0500	51.4	*	30.0			
Aniline	2.5574	2.2871	2.1200	2.0159	1.7718	Ave		2.1504			0.0500	13.7		30.0			
Phenol	2.5547	2.2044	2.0533	2.0325	2.0710	Ave		2.1832			0.0500	10.0		30.0			
Bis(2-chloroethyl)ether	1.8435	1.7199	1.6570	1.7016	2.2309	Ave		1.8306			0.0500	12.8		30.0			
2-Chlorophenol	1.8309	1.6481	1.5758	1.5171	1.4389	Ave		1.6022			0.0500	9.3		30.0			
n-Decane	2.0240	2.0248	1.7632	1.6894	1.7288	Ave		1.8460			0.0500	8.9		30.0			
1,3-Dichlorobenzene	1.7606	1.7074	1.6629	1.6219	1.7268	Ave		1.6959			0.0500	3.2		30.0			
1,4-Dichlorobenzene	1.7791	1.7060	1.6526	1.6242	1.7123	Ave		1.6948			0.0500	3.5		30.0			
Benzyl alcohol	1.0179	1.0172	0.9942	0.9485	0.9897	Ave		0.9935			0.0500	2.8		30.0			
1,2-Dichlorobenzene	1.6565	1.5972	1.5472	1.4781	1.5770	Ave		1.5712			0.0500	4.2		30.0			
2-Methylphenol	1.5835	1.3962	1.3525	1.3150	1.2719	Ave		1.3838			0.0500	8.7		30.0			
2,2'-oxybis[1-chloropropane]	2.4250	2.2982	2.0296	1.9255	2.0579	Ave		2.1472			0.0500	9.6		30.0			
Acetophenone	2.0654	2.0440	1.9510	1.8744	1.9398	Ave		1.9749			0.0500	4.0		30.0			
N-Nitrosodi-n-propylamine	1.1421	1.1669	1.1295	1.0892	1.1156	Ave		1.1286			0.0500	2.6		30.0			
3 & 4 Methylphenol	1.5545	1.3722	1.3439	1.3179	1.2534	Ave		1.3684			0.0500	8.3		30.0			
4-Methylphenol	1.5545	1.3722	1.3439	1.3179	1.2534	Ave		1.3684			0.0500	8.3		30.0			
Hexachloroethane	0.7050	0.7018	0.6969	0.6502	0.6789	Ave		0.6866			0.0500	3.3		30.0			
Nitrobenzene	0.6641	0.6300	0.6037	0.5549	0.5686	Ave		0.6042			0.0500	7.4		30.0			
n,n'-Dimethylaniline	2.2387	2.2896	2.1885	2.0651	2.1527	Ave		2.1869			0.0500	3.9		30.0			
Isophorone	0.7289	0.7210	0.7218	0.6994	0.7382	Ave		0.7219			0.0500	2.0		30.0			
2-Nitrophenol	0.2188	0.2076	0.2061	0.2009	0.2029	Ave		0.2073			0.0500	3.4		30.0			
2,4-Dimethylphenol	0.3902	0.3475	0.3368	0.3273	0.3186	Ave		0.3441			0.0500	8.1		30.0			
Bis(2-chloroethoxy)methane	0.4687	0.4661	0.4544	0.4415	0.4629	Ave		0.4587			0.0500	2.4		30.0			
2,4-Dichlorophenol	0.3117	0.2800	0.2658	0.2586	0.2468	Ave		0.2726			0.0500	9.2		30.0			
1,2,4-Trichlorobenzene	0.3344	0.3009	0.2888	0.3048	0.3048	Ave		0.3024			0.0500	6.6		30.0			
Naphthalene	1.2000	1.1599	1.1261	1.0813	1.1337	Ave		1.1402			0.0500	3.8		30.0			
4-Chloroaniline	0.4235	0.4000	0.3856	0.3566	0.3630	Ave		0.3857			0.0500	7.1		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.: 460-44765-1 Analy Batch No.: 129427

SDG No.: _____

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

Calibration Start Date: 09/26/2012 01:38 Calibration End Date: 09/26/2012 03:37 Calibration ID: 17752

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	0.1626	0.1553	0.1512	0.1432	0.1488	Ave		0.1522			0.0500	4.8		30.0			
Caprolactam	0.0694	0.0747	0.0682	0.0669	0.0722	Ave		0.0703			0.0500	4.5		30.0			
4-Chloro-3-methylphenol	0.3254	0.2962	0.2910	0.2753	0.2604	Ave		0.2897			0.0500	8.4		30.0			
2-Methylnaphthalene	0.6821	0.6703	0.6346	0.6169	0.6361	Ave		0.6480			0.0500	4.2		30.0			
1-Methylnaphthalene	0.7147	0.6950	0.6565	0.6318	0.6451	Ave		0.6686			0.0500	5.2		30.0			
Hexachlorocyclopentadiene	0.2814	0.2896	0.3137	0.3041	0.3373	Ave		0.3052			0.0500	7.2		30.0			
2,4,6-Trichlorophenol	0.3996	0.3653	0.3542	0.3552	0.3511	Ave		0.3651			0.0500	5.5		30.0			
2,4,5-Trichlorophenol	0.4243	0.3705	0.3529	0.3458	0.3466	Ave		0.3680			0.0500	9.0		30.0			
1,1'-Biphenyl	1.6984	1.6904	1.6157	1.5779	1.6279	Ave		1.6421			0.0500	3.1		30.0			
2-Chloronaphthalene	1.3236	1.2307	1.1900	1.1474	1.2032	Ave		1.2190			0.0500	5.4		30.0			
Phenyl ether	0.9207	0.8862	0.8585	0.8481	0.8829	Ave		0.8793			0.0500	3.2		30.0			
2-Nitroaniline	0.4436	0.4277	0.4418	0.4055	0.3974	Ave		0.4232			0.0500	5.0		30.0			
Dimethyl phthalate	1.2108	1.1743	1.1241	1.0834	1.1328	Ave		1.1451			0.0500	4.3		30.0			
Coumarin	0.1844	0.1741	0.1624	0.1532	0.1566	Ave		0.1662			0.0500	7.8		30.0			
2,6-Dinitrotoluene	0.2660	0.2774	0.2671	0.2579	0.2709	Ave		0.2679			0.0500	2.7		30.0			
Acenaphthylene	2.0852	1.9599	1.8859	1.8032	1.8871	Ave		1.9242			0.0500	5.5		30.0			
3-Nitroaniline	0.2940	0.2659	0.2464	0.2362	0.2409	Ave		0.2567			0.0500	9.2		30.0			
Acenaphthene	1.2196	1.1592	1.1159	1.0308	1.0640	Ave		1.1179			0.0500	6.7		30.0			
2,4-Dinitrophenol	0.0626	0.0892	0.0958	0.1020	0.1125	Ave		0.0924			0.0500	20.3		30.0			
4-Nitrophenol	0.1483	0.1489	0.1828	0.1820	0.2079	Ave		0.1740			0.0500	14.6		30.0			
2,4-Dinitrotoluene	0.3450	0.3112	0.2975	0.2808	0.3010	Ave		0.3071			0.0500	7.8		30.0			
Dibenzofuran	1.6631	1.5875	1.5207	1.4664	1.5028	Ave		1.5481			0.0500	5.0		30.0			
Diethyl phthalate	1.1678	1.1148	1.0563	1.0171	1.0827	Ave		1.0878			0.0500	5.3		30.0			
Fluorene	1.3398	1.2427	1.1797	1.1315	1.1541	Ave		1.2096			0.0500	6.9		30.0			
4-Chlorophenyl phenyl ether	0.5837	0.5432	0.5030	0.4907	0.4908	Ave		0.5223			0.0500	7.8		30.0			
4-Nitroaniline	0.2289	0.2081	0.1685	0.1640	0.1795	Ave		0.1898			0.0500	14.6		30.0			
4,6-Dinitro-2-methylphenol	0.0962	0.1164	0.1204	0.1249	0.1230	Ave		0.1162			0.0500	10.0		30.0			
N-Nitrosodiphenylamine	0.6903	0.7015	0.6680	0.6685	0.6615	Ave		0.6779			0.0500	2.5		30.0			
1,2-Diphenylhydrazine	1.2492	1.5366	1.5525	1.5076	1.6663	Ave		1.5024			0.0500	10.2		30.0			
4-Bromophenyl phenyl ether	0.2376	0.2408	0.2247	0.2269	0.2329	Ave		0.2326			0.0500	2.9		30.0			
Hexachlorobenzene	0.2296	0.2320	0.2168	0.2189	0.2272	Ave		0.2249			0.0500	3.0		30.0			
Atrazine	0.1935	0.1949	0.1952	0.1883	0.1941	Ave		0.1932			0.0500	1.5		30.0			
Pentachlorophenol	0.1037	0.1202	0.1194	0.1241	0.1272	Ave		0.1189			0.0500	7.6		30.0			
Phenanthrene	1.2353	1.2052	1.1642	1.0946	1.1506	Ave		1.1700			0.0500	4.6		30.0			
Anthracene	1.2462	1.2073	1.1750	1.1127	1.1679	Ave		1.1818			0.0500	4.2		30.0			
Carbazole	0.9928	0.9435	0.9129	0.8704	0.9047	Ave		0.9249			0.0500	5.0		30.0			
Di-n-butyl phthalate	1.1565	1.2015	1.2045	1.1401	1.2646	Ave		1.1934			0.0500	4.1		30.0			
Fluoranthene	0.9593	0.8952	0.8507	0.8045	0.8530	Ave		0.8726			0.0500	6.7		30.0			
Benzidine	0.1060	0.1699	0.0827	0.0268	0.0208	Ave		0.0812			0.0500	75.6	*	30.0			
Pyrene	2.2017	2.1777	2.0729	2.0341	2.1298	Ave		2.1233			0.0500	3.3		30.0			
Butyl benzyl phthalate	0.7337	0.8310	0.8872	0.8613	0.9554	Ave		0.8537			0.0500	9.5		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.: 460-44765-1 Analy Batch No.: 129427

SDG No.: _____

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

Calibration Start Date: 09/26/2012 01:38 Calibration End Date: 09/26/2012 03:37 Calibration ID: 17752

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	0.3427	0.3602	0.3419	0.3064	0.2963	Ave		0.3295			0.0500	8.2		30.0			
Benzo[a]anthracene	1.3682	1.1839	1.1943	1.1349	1.2174	Ave		1.2197			0.0500	7.2		30.0			
Chrysene	1.1591	1.1659	1.1131	1.0931	1.1143	Ave		1.1291			0.0500	2.8		30.0			
Bis(2-ethylhexyl) phthalate	0.8890	1.0481	1.1562	1.0998	1.2225	Ave		1.0831			0.0500	11.7		30.0			
Di-n-octyl phthalate	1.4228	1.9142	2.1742	2.0969	2.2786	Ave		1.9774			0.0500	17.1		30.0			
Benzo[b]fluoranthene	1.0247	1.2701	1.2272	1.2098	1.2862	Ave		1.2036			0.0500	8.7		30.0			
Benzo[k]fluoranthene	1.3276	1.3166	1.2142	1.2406	1.2455	Ave		1.2689			0.0500	4.0		30.0			
Benzo[a]pyrene	0.7703	0.9856	0.9957	0.9688	1.0255	Ave		0.9492			0.0500	10.8		30.0			
Indeno[1,2,3-cd]pyrene	0.4747	0.7768	0.9357	0.9135	1.0020	Ave		0.8205			0.0500	25.6		30.0			
Dibenz(a,h)anthracene	0.5293	0.8436	0.9053	0.9041	0.9760	Ave		0.8317			0.0500	21.1		30.0			
Benzo[g,h,i]perylene	0.6572	0.8432	0.9086	0.9271	1.0100	Ave		0.8692			0.0500	15.3		30.0			
2-Fluorophenol (Surr)	1.5718	1.6021	1.5210	1.4669	1.5058	Ave		1.5335			0.0500	3.5		30.0			
Phenol-d5 (Surr)	2.0380	2.0339	1.8691	1.8040	1.8405	Ave		1.9171			0.0500	5.8		30.0			
Nitrobenzene-d5 (Surr)	0.4641	0.4826	0.4676	0.4399	0.4500	Ave		0.4608			0.0500	3.6		30.0			
2-Fluorobiphenyl	1.5306	1.5093	1.3940	1.3788	1.4477	Ave		1.4521			0.0500	4.6		30.0			
2,4,6-Tribromophenol (Surr)	0.1251	0.1252	0.1102	0.1069	0.1105	Ave		0.1156			0.0500	7.7		30.0			
Terphenyl-d14 (Surr)	1.3045	1.3486	1.2305	1.2041	1.2734	Ave		1.2722			0.0500	4.5		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.: 460-44765-1 Analy Batch No.: 129427

SDG No.: _____

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

Calibration Start Date: 09/26/2012 01:38 Calibration End Date: 09/26/2012 03:37 Calibration ID: 17752

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-129427/6	z12853.d
Level 2	IC 460-129427/5	z12851.d
Level 3	ICIS 460-129427/2	z12848.d
Level 4	IC 460-129427/4	z12850.d
Level 5	IC 460-129427/3	z12849.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	47156	164166	399690	610255	975487	5.00	20.0	50.0	80.0	120
N-Nitrosodimethylamine	DCB	Ave	65699	236968	570306	909521	1442337	5.00	20.0	50.0	80.0	120
Pyridine	DCB	Ave	116801	426432	968662	1557763	2473578	5.00	20.0	50.0	80.0	120
2,3,7,8-TCDD	CRY	Ave	++++	++++	804	++++	++++	++++	++++	0.500	++++	++++
Benzaldehyde	DCB	Ave	70609	213685	397029	372954	348566	5.00	20.0	50.0	80.0	120
Aniline	DCB	Ave	158628	512466	1090015	1806061	2329407	5.00	20.0	50.0	80.0	120
Phenol	DCB	Ave	158459	493928	1055701	1820907	2722786	5.00	20.0	50.0	80.0	120
Bis(2-chloroethyl)ether	DCB	Ave	11435	385370	851964	1524493	2933050	0.500	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	113568	369277	810189	1359113	1891827	5.00	20.0	50.0	80.0	120
n-Decane	DCB	Ave	125541	453681	906572	1513486	2272912	5.00	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	109204	382575	855004	1453021	2270286	5.00	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	110352	382250	849686	1455123	2251154	5.00	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	63137	227918	511199	849748	1301149	5.00	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	102751	357874	795512	1324239	2073330	5.00	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	98223	312844	695406	1178116	1672233	5.00	20.0	50.0	80.0	120
2,2'-oxybis[1-chloropropane]	DCB	Ave	150415	514935	1043537	1725012	2705527	5.00	20.0	50.0	80.0	120
Acetophenone	DCB	Ave	128112	457988	1003106	1679225	2550319	5.00	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	7084	261456	580734	975766	1466700	0.500	20.0	50.0	80.0	120
3 & 4 Methylphenol	DCB	Ave	96424	307472	690987	1180709	1647901	5.00	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	96424	307472	690987	1180709	1647901	5.00	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	4373	157243	358341	582536	892615	0.500	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	15548	530865	1158771	1857120	2762771	0.500	20.0	50.0	80.0	120
n,n'-Dimethylaniline	DCB	Ave	13886	513024	1125217	1850123	2830185	0.500	20.0	50.0	80.0	120
Isophorone	NPT	Ave	170653	607573	1385589	2340645	3586697	5.00	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Ave	51231	174926	395692	672469	985846	5.00	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	91342	292870	646442	1095494	1548005	5.00	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	109730	392788	872333	1477460	2249327	5.00	20.0	50.0	80.0	120
2,4-Dichlorophenol	NPT	Ave	72985	235912	510169	865368	1199042	5.00	20.0	50.0	80.0	120
1,2,4-Trichlorobenzene	NPT	Ave	7828	253597	554290	947819	1480969	0.500	20.0	50.0	80.0	120
Naphthalene	NPT	Ave	280939	977424	2161549	3618970	5508791	5.00	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	99147	337094	740113	1193320	1763912	5.00	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	7613	130896	290193	479279	723192	1.00	20.0	50.0	80.0	120
Caprolactam	NPT	Ave	16238	62958	130916	223850	350648	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.: 460-44765-1 Analy Batch No.: 129427

SDG No.: _____

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

Calibration Start Date: 09/26/2012 01:38 Calibration End Date: 09/26/2012 03:37 Calibration ID: 17752

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	76173	249586	558679	921459	1265392	5.00	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	159681	564845	1218234	2064668	3090684	5.00	20.0	50.0	80.0	120
1-Methylnaphthalene	NPT	Ave	167322	585668	1260155	2114684	3134699	5.00	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Ave	29845	107234	260083	429834	674378	5.00	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	42388	135288	293651	501969	702020	5.00	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Ave	45008	137179	292600	488744	692846	5.00	20.0	50.0	80.0	120
1,1'-Biphenyl	ANT	Ave	180134	625963	1339579	2230194	3254473	5.00	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	140389	455715	986673	1621639	2405387	5.00	20.0	50.0	80.0	120
Phenyl ether	ANT	Ave	97652	328156	711813	1198628	1765120	5.00	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Ave	94097	158374	366335	573082	794459	10.0	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	128424	434849	932005	1531238	2264761	5.00	20.0	50.0	80.0	120
Coumarin	NPT	Ave	43179	146735	311770	512691	760889	5.00	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Ave	5642	102739	221465	364555	541591	1.00	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	221166	725742	1563571	2548544	3772680	5.00	20.0	50.0	80.0	120
3-Nitroaniline	ANT	Ave	62362	98475	204285	333782	481701	10.0	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	129360	429253	925180	1456855	2127152	5.00	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Ave	19907	49530	79403	144147	224886	15.0	30.0	50.0	80.0	120
4-Nitrophenol	ANT	Ave	47178	82699	151536	257252	415558	15.0	30.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Ave	7319	115244	246621	396826	601744	1.00	20.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	176391	587871	1260789	2072590	3004521	5.00	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	123860	412821	875786	1437563	2164644	5.00	20.0	50.0	80.0	120
Fluorene	ANT	Ave	142104	460183	978096	1599286	2307402	5.00	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	61911	201139	417067	693501	981131	5.00	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Ave	48549	77050	139743	231829	358824	10.0	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Ave	37068	72976	106735	184745	257595	15.0	30.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	88705	293059	592217	988678	1385788	5.00	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	PHN	Ave	160525	641991	1376402	2229536	3490850	5.00	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	30536	100608	199240	335606	487841	5.00	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	2951	96915	192224	323649	475874	0.500	20.0	50.0	80.0	120
Atrazine	PHN	Ave	24872	81423	173089	278531	406557	5.00	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Ave	39965	75353	105852	183453	266495	15.0	30.0	50.0	80.0	120
Phenanthrene	PHN	Ave	158747	503516	1032159	1618784	2410509	5.00	20.0	50.0	80.0	120
Anthracene	PHN	Ave	160144	504391	1041750	1645536	2446617	5.00	20.0	50.0	80.0	120
Carbazole	PHN	Ave	127588	394188	809366	1287200	1895356	5.00	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	148624	501988	1067873	1685978	2649306	5.00	20.0	50.0	80.0	120
Fluoranthene	PHN	Ave	123282	374023	754267	1189746	1787073	5.00	20.0	50.0	80.0	120
Benzidine	PHN	Ave	27231	106463	73310	39684	43490	10.0	30.0	50.0	80.0	120
Pyrene	CRY	Ave	117939	355735	721302	1136192	1711552	5.00	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	39301	135755	308699	481095	767752	5.00	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Ave	36713	88263	118981	171124	238132	10.0	30.0	50.0	80.0	120
Benzo[a]anthracene	CRY	Ave	7329	193397	415579	633925	978301	0.500	20.0	50.0	80.0	120
Chrysene	CRY	Ave	62086	190460	387304	610565	895438	5.00	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	47623	171206	402308	614331	982394	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.: 460-44765-1 Analy Batch No.: 129427

SDG No.: _____

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

Calibration Start Date: 09/26/2012 01:38 Calibration End Date: 09/26/2012 03:37 Calibration ID: 17752

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	46878	209940	562291	835912	1358645	5.00	20.0	50.0	80.0	120
Benzo[b]fluoranthene	PRY	Ave	3376	139297	317387	482304	766929	0.500	20.0	50.0	80.0	120
Benzo[k]fluoranthene	PRY	Ave	4374	144392	314006	494559	742626	0.500	20.0	50.0	80.0	120
Benzo[a]pyrene	PRY	Ave	2538	108090	257498	386220	611438	0.500	20.0	50.0	80.0	120
Indeno[1,2,3-cd]pyrene	PRY	Ave	1564	85193	241982	364165	597478	0.500	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Ave	1744	92523	234134	360411	581932	0.500	20.0	50.0	80.0	120
Benzo[g,h,i]perylene	PRY	Ave	21654	92480	234972	369595	602213	5.00	20.0	50.0	80.0	120
2-Fluorophenol (Surr)	DCB	Ave	97497	358968	782023	1314209	1979779	5.00	20.0	50.0	80.0	120
Phenol-d5 (Surr)	DCB	Ave	126411	455716	960997	1616185	2419801	5.00	20.0	50.0	80.0	120
Nitrobenzene-d5 (Surr)	NPT	Ave	108647	406701	897632	1472142	2186591	5.00	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	162342	558880	1155756	1948779	2894281	5.00	20.0	50.0	80.0	120
2,4,6-Tribromophenol (Surr)	ANT	Ave	13268	46379	91391	151028	220883	5.00	20.0	50.0	80.0	120
Terphenyl-d14 (Surr)	CRY	Ave	69877	220298	428156	672544	1023320	5.00	20.0	50.0	80.0	120

Curve Type Legend:

Ave = Average ISTD

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12848.d
 Report Date: 26-Sep-2012 13:40

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12848.d
 Lab Smp Id: ICIS-1687742
 Inj Date : 26-SEP-2012 01:38
 Operator : BNAMS 4
 Smp Info : ICIS-1687742
 Misc Info : 50 ppm bna4690
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/8270Cdel_08.m
 Meth Date : 26-Sep-2012 13:40 croccom Quant Type: ISTD
 Cal Date : 26-SEP-2012 01:38 Cal File: z12848.d
 Als bottle: 2 Calibration Sample, Level: 3
 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	1.325	1.325 (0.341)		399690	50.0000	53
19 N-Nitrosodimethylamine		74	1.549	1.549 (0.398)		570306	50.0000	52
71 Pyridine		79	1.566	1.566 (0.403)		968662	50.0000	51
\$ 16 2-Fluorophenol (SUR)		112	2.625	2.625 (0.675)		782023	50.0000	50
110 Benzaldehyde		77	3.443	3.443 (0.885)		397029	50.0000	54
\$ 17 Phenol-d5 (SUR)		99	3.554	3.554 (0.914)		960997	50.0000	49
73 Aniline		93	3.560	3.560 (0.915)		1090015	50.0000	49
1 Phenol		94	3.572	3.572 (0.918)		1055701	50.0000	47
20 bis(2-Chloroethyl)ether		93	3.637	3.637 (0.935)		851964	50.0000	45
2 2-Chlorophenol		128	3.690	3.690 (0.949)		810189	50.0000	49
113 n-decane		43	3.743	3.743 (0.962)		906572	50.0000	48
21 1,3-Dichlorobenzene		146	3.831	3.831 (0.985)		855004	50.0000	49
* 79 1,4-Dichlorobenzene-d4		152	3.890	3.890 (1.000)		411325	40.0000	
22 1,4-Dichlorobenzene		146	3.907	3.907 (1.005)		849686	50.0000	49
74 Benzyl Alcohol		108	4.048	4.048 (1.041)		511199	50.0000	50

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	4.060	4.060	(1.044)	795512	50.0000	49
3 2-Methylphenol	108	4.178	4.178	(1.074)	695406	50.0000	49
24 bis (2-chloroisopropyl) ether	45	4.178	4.178	(1.074)	1043537	50.0000	47
104 Acetophenone	105	4.313	4.313	(1.109)	1003106	50.0000	49
4 4-Methylphenol	108	4.337	4.337	(1.115)	690987	50.0000	49
121 3 & 4 Methylphenol	108	4.337	4.337	(1.115)	690987	50.0000	49
25 N-Nitroso-di-n-propylamine	70	4.325	4.325	(1.112)	580734	50.0000	50(MH)
26 Hexachloroethane	117	4.395	4.395	(1.130)	358341	50.0000	51
\$ 76 Nitrobenzene-d5 (SUR)	82	4.460	4.460	(0.861)	897632	50.0000	51
27 Nitrobenzene	77	4.484	4.484	(0.866)	1158771	50.0000	50
107 N,N-Dimethylaniline	120	4.490	4.490	(1.154)	1125217	50.0000	50
28 Isophorone	82	4.731	4.731	(0.914)	1385589	50.0000	50
5 2-Nitrophenol	139	4.801	4.801	(0.927)	395692	50.0000	50
6 2,4-Dimethylphenol	122	4.872	4.872	(0.941)	646442	50.0000	49
29 bis(2-Chloroethoxy)methane	93	4.954	4.954	(0.957)	872333	50.0000	50
7 2,4-Dichlorophenol	162	5.054	5.054	(0.976)	510169	50.0000	49
30 1,2,4-Trichlorobenzene	180	5.125	5.125	(0.990)	554290	50.0000	48
* 80 Naphthalene-d8	136	5.178	5.178	(1.000)	1535657	40.0000	
31 Naphthalene	128	5.201	5.201	(1.005)	2161549	50.0000	49
32 4-Chloroaniline	127	5.272	5.272	(1.018)	740113	50.0000	50
33 Hexachlorobutadiene	225	5.337	5.337	(1.031)	290193	50.0000	50
111 Caprolactam	113	5.660	5.660	(1.093)	130916	50.0000	48
8 4-Chloro-3-methylphenol	107	5.784	5.784	(1.117)	558679	50.0000	50
34 2-Methylnaphthalene	142	5.895	5.895	(1.139)	1218234	50.0000	49
120 1-Methylnaphthalene	142	5.995	5.995	(1.158)	1260155	50.0000	49
35 Hexachlorocyclopentadiene	237	6.066	6.066	(0.875)	260083	50.0000	51
9 2,4,6-Trichlorophenol	196	6.189	6.189	(0.893)	293651	50.0000	48
10 2,4,5-Trichlorophenol	196	6.231	6.231	(0.899)	292600	50.0000	48
\$ 77 2-Fluorobiphenyl (SUR)	172	6.272	6.272	(0.905)	1155756	50.0000	48
102 Diphenyl	154	6.372	6.372	(0.919)	1339579	50.0000	49
36 2-Chloronaphthalene	162	6.384	6.384	(0.921)	986673	50.0000	49
103 Diphenyl Ether	170	6.472	6.472	(0.934)	711813	50.0000	49
37 2-Nitroaniline	65	6.495	6.495	(0.937)	366335	50.0000	52
38 Dimethylphthalate	163	6.684	6.684	(0.964)	932005	50.0000	49
114 Coumarin	146	6.695	6.695	(1.293)	311770	50.0000	49
40 2,6-Dinitrotoluene	165	6.742	6.742	(0.973)	221465	50.0000	50
39 Acenaphthylene	152	6.789	6.789	(0.980)	1563571	50.0000	49
41 3-Nitroaniline	138	6.907	6.907	(0.997)	204285	50.0000	48
* 82 Acenaphthene-d10	164	6.931	6.931	(1.000)	663285	40.0000	
42 Acenaphthene	154	6.960	6.960	(1.004)	925180	50.0000	50
11 2,4-Dinitrophenol	184	7.007	7.007	(1.011)	79403	50.0000	52
12 4-Nitrophenol	65	7.095	7.095	(1.024)	151536	50.0000	52
43 Dibenzofuran	168	7.131	7.131	(1.029)	1260789	50.0000	49
44 2,4-Dinitrotoluene	165	7.131	7.131	(1.029)	246621	50.0000	48
45 Diethylphthalate	149	7.378	7.378	(1.064)	875786	50.0000	48
47 Fluorene	166	7.466	7.466	(1.077)	978096	50.0000	49
46 4-Chlorophenyl-phenylether	204	7.472	7.472	(1.078)	417067	50.0000	48

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12848.d
 Report Date: 26-Sep-2012 13:40

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	7.507	7.507	(1.083)	139743	50.0000	44
13 4,6-Dinitro-2-methylphenol	198	7.536	7.536	(0.899)	106735	50.0000	52
49 N-Nitrosodiphenylamine	169	7.595	7.595	(0.906)	592217	50.0000	49
75 1,2-Diphenylhydrazine	77	7.631	7.631	(0.910)	1376402	50.0000	52
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.707	7.707	(1.112)	91391	50.0000	48
50 4-Bromophenyl-phenylether	248	7.948	7.948	(0.948)	199240	50.0000	48
51 Hexachlorobenzene	284	8.007	8.007	(0.955)	192224	50.0000	48
112 Atrazine	200	8.131	8.131	(0.970)	173089	50.0000	50
14 Pentachlorophenol	266	8.207	8.207	(0.979)	105852	50.0000	50
* 83 Phenanthrene-d10	188	8.383	8.383	(1.000)	709275	40.0000	
52 Phenanthrene	178	8.407	8.407	(1.003)	1032159	50.0000	50
53 Anthracene	178	8.454	8.454	(1.008)	1041750	50.0000	50
54 Carbazole	167	8.619	8.619	(1.028)	809366	50.0000	49
55 Di-n-butylphthalate	149	8.978	8.978	(1.071)	1067873	50.0000	50
56 Fluoranthene	202	9.566	9.566	(1.141)	754267	50.0000	49
58 Benzidine	184	9.713	9.713	(1.159)	73310	50.0000	51
57 Pyrene	202	9.783	9.783	(0.886)	721302	50.0000	49
\$ 78 Terphenyl-d14	244	9.948	9.948	(0.900)	428156	50.0000	48
59 Butylbenzylphthalate	149	10.454	10.454	(0.946)	308699	50.0000	52
109 2,3,7,8-TCDD (Screen)	320	10.536	10.536	(0.954)	804	0.50000	0.50
60 3,3'-Dichlorobenzidine	252	11.019	11.019	(0.997)	118981	50.0000	52
61 Benzo(a)anthracene	228	11.036	11.036	(0.999)	415579	50.0000	49
* 81 Chrysene-d12	240	11.048	11.048	(1.000)	278371	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	11.101	11.101	(1.005)	402308	50.0000	53
62 Chrysene	228	11.077	11.077	(1.003)	387304	50.0000	49
64 Di-n-octylphthalate	149	11.895	11.895	(0.927)	562291	50.0000	55
65 Benzo(b)fluoranthene	252	12.342	12.342	(0.962)	317387	50.0000	51
66 Benzo(k)fluoranthene	252	12.377	12.377	(0.965)	314006	50.0000	48
67 Benzo(a)pyrene	252	12.760	12.760	(0.994)	257498	50.0000	52
* 84 Perylene-d12	264	12.830	12.830	(1.000)	206897	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.218	14.218	(1.108)	241982	50.0000	57
69 Dibenzo(a,h)anthracene	278	14.248	14.248	(1.110)	234134	50.0000	54
70 Benzo(g,h,i)perylene	276	14.571	14.571	(1.136)	234972	50.0000	52

QC Flag Legend

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

Data File: z12848.d

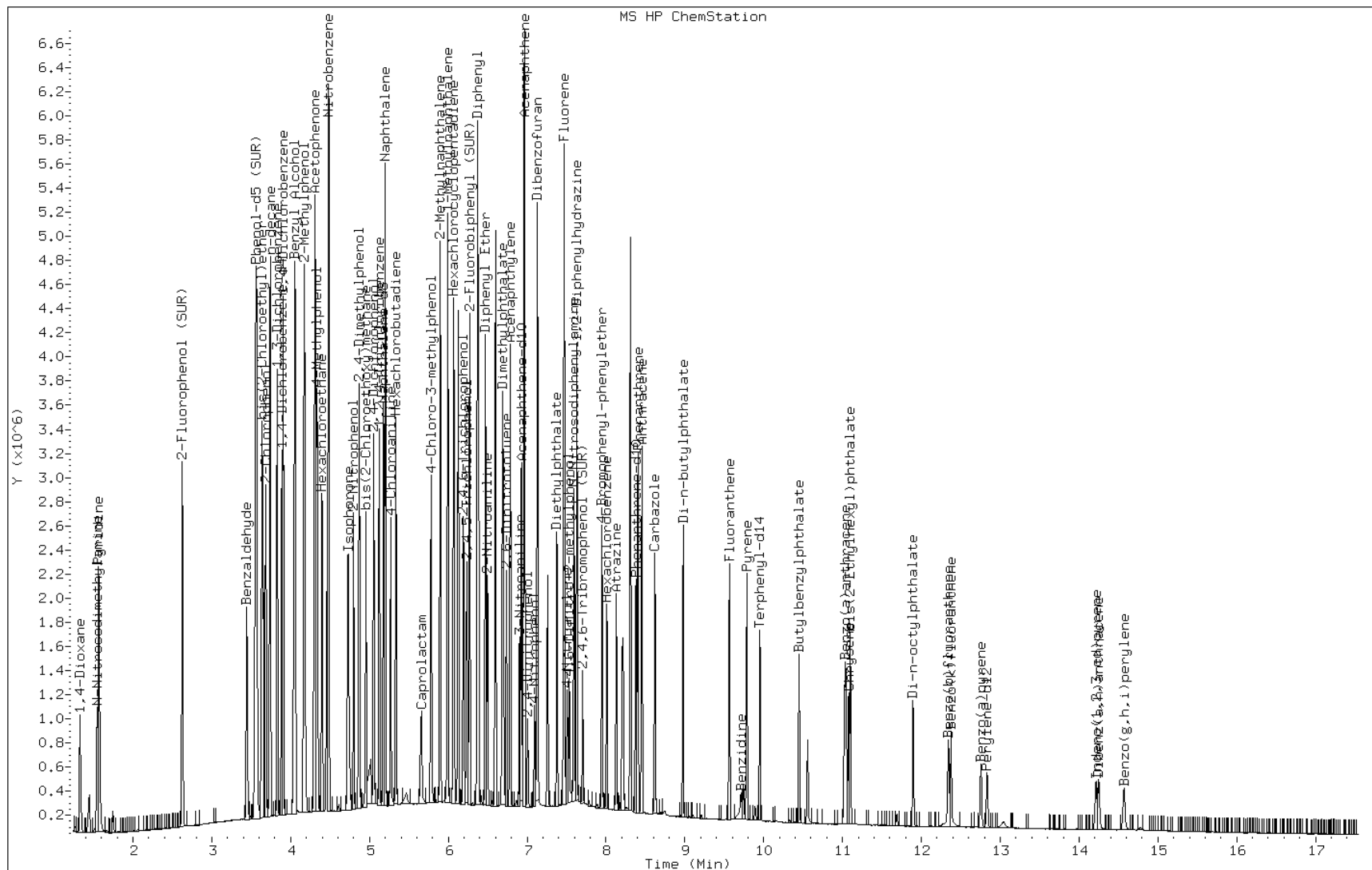
Date: 26-SEP-2012 01:38

Client ID:

Instrument: BNAMS11.i

Sample Info: ICIS-1687742

Operator: BNAMS 4

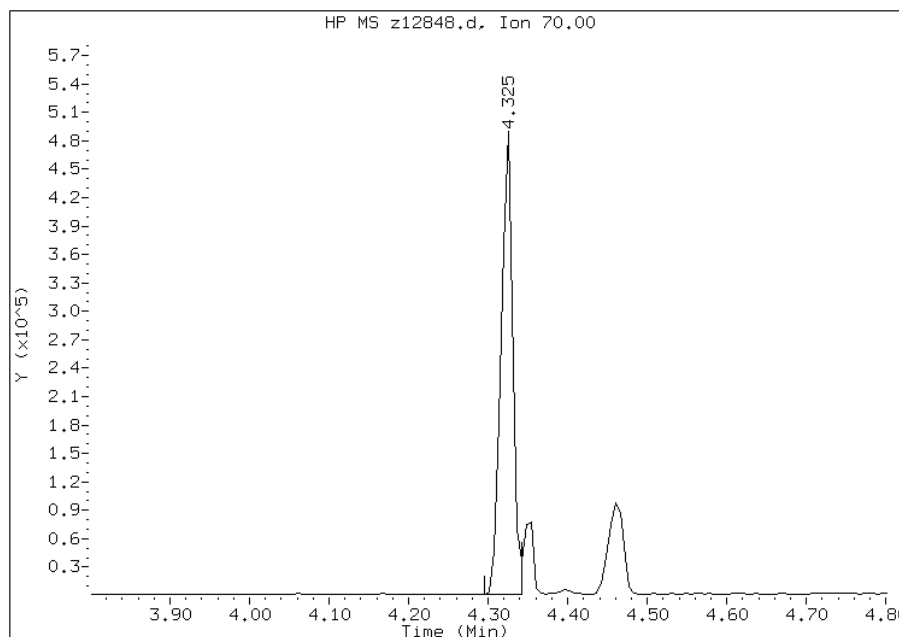


Manual Integration Report

Data File: z12848.d
Inj. Date and Time: 26-SEP-2012 01:38
Instrument ID: BNAMS11.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/26/2012

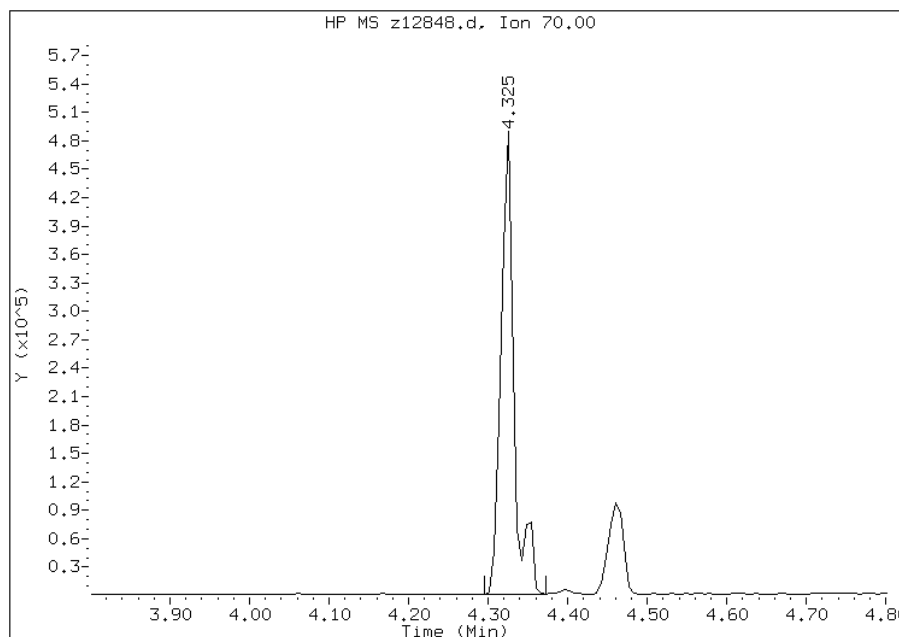
Processing Integration Results

RT: 4.32
Response: 526164
Amount: 46
Conc: 46



Manual Integration Results

RT: 4.32
Response: 580734
Amount: 50
Conc: 50



Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12849.d
 Report Date: 26-Sep-2012 13:40

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12849.d
 Lab Smp Id: IC-1687749
 Inj Date : 26-SEP-2012 02:02
 Operator : BNAMS 4
 Smp Info : IC-1687749
 Misc Info : 120 ppm bna4690
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/8270Cdel_08.m
 Meth Date : 26-Sep-2012 13:40 croccom Quant Type: ISTD
 Cal Date : 26-SEP-2012 01:38 Cal File: z12848.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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane		88	1.448	1.448	(0.371)	975487	120.000	120(AM)
19 N-Nitrosodimethylamine		74	1.696	1.696	(0.434)	1442337	120.000	120(AM)
71 Pyridine		79	1.719	1.719	(0.440)	2473578	120.000	120(AM)
\$ 16 2-Fluorophenol (SUR)		112	2.695	2.695	(0.690)	1979779	120.000	120
110 Benzaldehyde		77	3.472	3.472	(0.889)	348566	120.000	45
\$ 17 Phenol-d5 (SUR)		99	3.595	3.595	(0.920)	2419801	120.000	120
73 Aniline		93	3.590	3.590	(0.919)	2329407	120.000	99
1 Phenol		94	3.607	3.607	(0.923)	2722786	120.000	110
20 bis(2-Chloroethyl)ether		93	3.678	3.678	(0.941)	2933050	120.000	150(A)
2 2-Chlorophenol		128	3.731	3.731	(0.955)	1891827	120.000	110
113 n-decane		43	3.754	3.754	(0.961)	2272912	120.000	110
21 1,3-Dichlorobenzene		146	3.854	3.854	(0.986)	2270286	120.000	120(A)
* 79 1,4-Dichlorobenzene-d4		152	3.907	3.907	(1.000)	438243	40.0000	
22 1,4-Dichlorobenzene		146	3.925	3.925	(1.004)	2251154	120.000	120(A)
74 Benzyl Alcohol		108	4.072	4.072	(1.042)	1301149	120.000	120

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12849.d
 Report Date: 26-Sep-2012 13:40

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ug/ml)	ON -COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	4.078	4.078	(1.044)	2073330	120.000	120(A)
3 2-Methylphenol	108	4.195	4.195	(1.074)	1672233	120.000	110
24 bis (2-chloroisopropyl) ether	45	4.195	4.195	(1.074)	2705527	120.000	120
104 Acetophenone	105	4.342	4.342	(1.111)	2550319	120.000	120
4 4-Methylphenol	108	4.372	4.372	(1.119)	1647901	120.000	110
121 3 & 4 Methylphenol	108	4.372	4.372	(1.119)	1647901	120.000	110
25 N-Nitroso-di-n-propylamine	70	4.389	4.389	(1.123)	1466700	120.000	120(M)
26 Hexachloroethane	117	4.407	4.407	(1.128)	892615	120.000	120
\$ 76 Nitrobenzene-d5 (SUR)	82	4.489	4.489	(0.865)	2186591	120.000	120
27 Nitrobenzene	77	4.513	4.513	(0.870)	2762771	120.000	110
107 N,N-Dimethylaniline	120	4.513	4.513	(1.155)	2830185	120.000	120
28 Isophorone	82	4.760	4.760	(0.917)	3586697	120.000	120(A)
5 2-Nitrophenol	139	4.813	4.813	(0.927)	985846	120.000	120
6 2,4-Dimethylphenol	122	4.889	4.889	(0.942)	1548005	120.000	110
29 bis(2-Chloroethoxy)methane	93	4.972	4.972	(0.958)	2249327	120.000	120(A)
7 2,4-Dichlorophenol	162	5.072	5.072	(0.977)	1199042	120.000	110
30 1,2,4-Trichlorobenzene	180	5.136	5.136	(0.990)	1480969	120.000	120(A)
* 80 Naphthalene-d8	136	5.189	5.189	(1.000)	1619648	40.0000	
31 Naphthalene	128	5.213	5.213	(1.005)	5508791	120.000	120
32 4-Chloroaniline	127	5.284	5.284	(1.018)	1763912	120.000	110
33 Hexachlorobutadiene	225	5.342	5.342	(1.029)	723192	120.000	120
111 Caprolactam	113	5.725	5.725	(1.103)	350648	120.000	120(AH)
8 4-Chloro-3-methylphenol	107	5.807	5.807	(1.119)	1265392	120.000	110
34 2-Methylnaphthalene	142	5.907	5.907	(1.138)	3090684	120.000	120
120 1-Methylnaphthalene	142	6.007	6.007	(1.158)	3134699	120.000	120
35 Hexachlorocyclopentadiene	237	6.072	6.072	(0.876)	674378	120.000	130(A)
9 2,4,6-Trichlorophenol	196	6.207	6.207	(0.896)	702020	120.000	120
10 2,4,5-Trichlorophenol	196	6.254	6.254	(0.902)	692846	120.000	110
\$ 77 2-Fluorobiphenyl (SUR)	172	6.283	6.283	(0.907)	2894281	120.000	120
102 Diphenyl	154	6.378	6.378	(0.920)	3254473	120.000	120
36 2-Chloronaphthalene	162	6.395	6.395	(0.923)	2405387	120.000	120
103 Diphenyl Ether	170	6.483	6.483	(0.935)	1765120	120.000	120(A)
37 2-Nitroaniline	65	6.513	6.513	(0.940)	794459	120.000	110(H)
38 Dimethylphthalate	163	6.701	6.701	(0.967)	2264761	120.000	120
114 Coumarin	146	6.713	6.713	(1.294)	760889	120.000	110
40 2,6-Dinitrotoluene	165	6.754	6.754	(0.975)	541591	120.000	120(A)
39 Acenaphthylene	152	6.801	6.801	(0.981)	3772680	120.000	120
41 3-Nitroaniline	138	6.919	6.919	(0.998)	481701	120.000	110
* 82 Acenaphthene-d10	164	6.930	6.930	(1.000)	666409	40.0000	
42 Acenaphthene	154	6.972	6.972	(1.006)	2127152	120.000	110
11 2,4-Dinitrophenol	184	7.019	7.019	(1.013)	224886	120.000	150(A)
12 4-Nitrophenol	65	7.113	7.113	(1.026)	415558	120.000	140(A)
43 Dibenzofuran	168	7.142	7.142	(1.031)	3004521	120.000	120
44 2,4-Dinitrotoluene	165	7.148	7.148	(1.031)	601744	120.000	120
45 Diethylphthalate	149	7.389	7.389	(1.066)	2164644	120.000	120
47 Fluorene	166	7.477	7.477	(1.079)	2307402	120.000	110
46 4-Chlorophenyl-phenylether	204	7.483	7.483	(1.080)	981131	120.000	110

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12849.d
Report Date: 26-Sep-2012 13:40

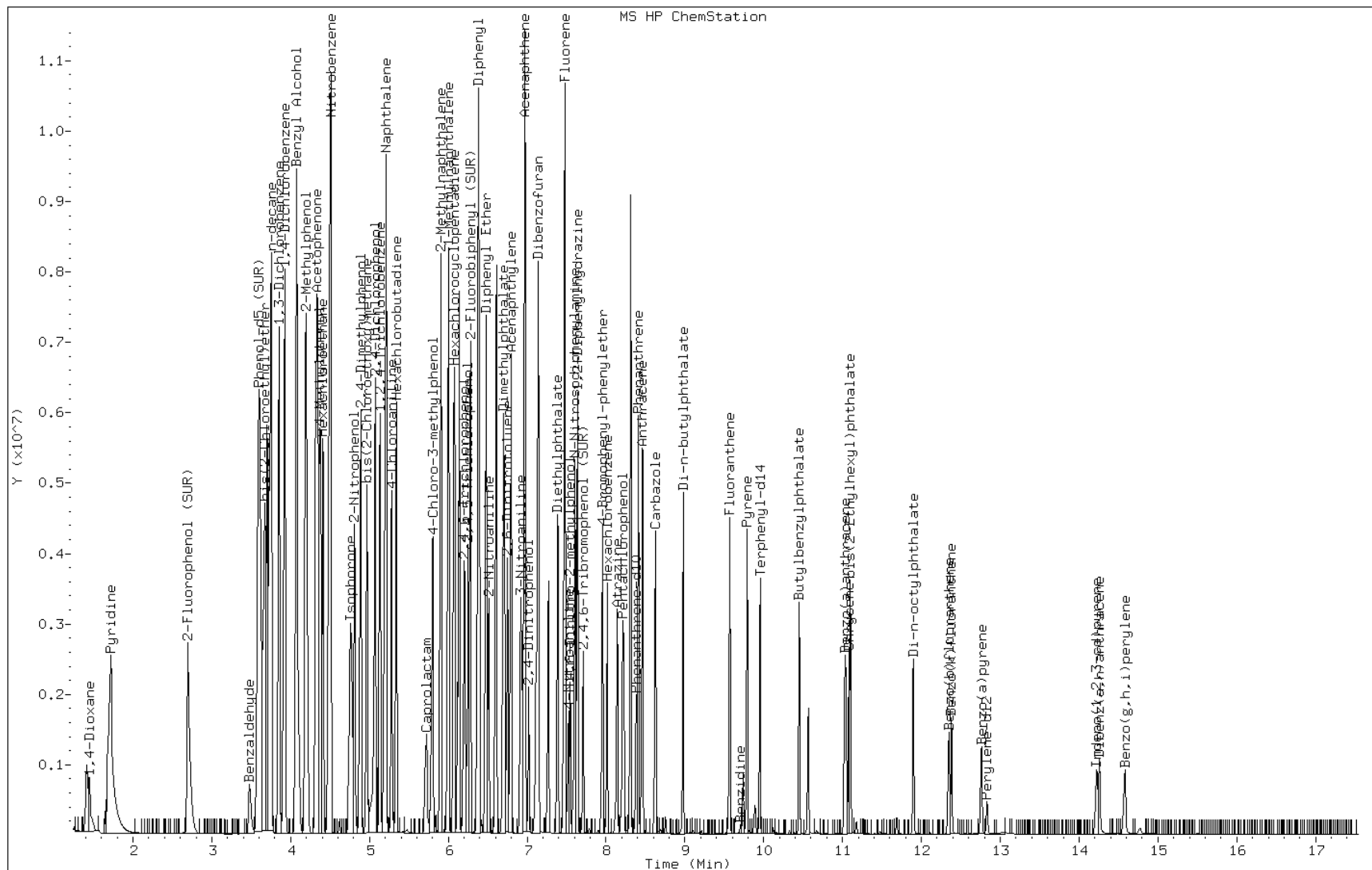
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	7.530	7.530	(1.087)	358824	120.000	110
13 4,6-Dinitro-2-methylphenol	198	7.548	7.548	(0.900)	257595	120.000	130(A)
49 N-Nitrosodiphenylamine	169	7.607	7.607	(0.907)	1385788	120.000	120
75 1,2-Diphenylhydrazine	77	7.636	7.636	(0.911)	3490850	120.000	130(A)
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.713	7.713	(1.113)	220883	120.000	110
50 4-Bromophenyl-phenylether	248	7.960	7.960	(0.949)	487841	120.000	120(A)
51 Hexachlorobenzene	284	8.019	8.019	(0.956)	475874	120.000	120(A)
112 Atrazine	200	8.142	8.142	(0.971)	406557	120.000	120(A)
14 Pentachlorophenol	266	8.213	8.213	(0.980)	266495	120.000	130(A)
* 83 Phenanthrene-d10	188	8.383	8.383	(1.000)	698311	40.0000	
52 Phenanthrene	178	8.413	8.413	(1.004)	2410509	120.000	120
53 Anthracene	178	8.466	8.466	(1.010)	2446617	120.000	120
54 Carbazole	167	8.624	8.624	(1.029)	1895356	120.000	120
55 Di-n-butylphthalate	149	8.977	8.977	(1.071)	2649306	120.000	130(A)
56 Fluoranthene	202	9.571	9.571	(1.142)	1787073	120.000	120
58 Benzidine	184	9.713	9.713	(1.159)	43490	120.000	31(M)
57 Pyrene	202	9.789	9.789	(0.886)	1711552	120.000	120(A)
\$ 78 Terphenyl-d14	244	9.954	9.954	(0.901)	1023320	120.000	120(A)
59 Butylbenzylphthalate	149	10.454	10.454	(0.946)	767752	120.000	130(A)
60 3,3'-Dichlorobenzidine	252	11.024	11.024	(0.998)	238132	120.000	110(A)
61 Benzo(a)anthracene	228	11.036	11.036	(0.999)	978301	120.000	120
* 81 Chrysene-d12	240	11.048	11.048	(1.000)	267869	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	11.101	11.101	(1.005)	982394	120.000	140(A)
62 Chrysene	228	11.083	11.083	(1.003)	895438	120.000	120
64 Di-n-octylphthalate	149	11.901	11.901	(0.928)	1358645	120.000	140(A)
65 Benzo(b)fluoranthene	252	12.348	12.348	(0.962)	766929	120.000	130(A)
66 Benzo(k)fluoranthene	252	12.383	12.383	(0.965)	742626	120.000	120
67 Benzo(a)pyrene	252	12.765	12.765	(0.995)	611438	120.000	130(A)
* 84 Perylene-d12	264	12.830	12.830	(1.000)	198752	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.224	14.224	(1.109)	597478	120.000	150(A)
69 Dibenz(a,h)anthracene	278	14.259	14.259	(1.111)	581932	120.000	140(A)
70 Benzo(g,h,i)perylene	276	14.583	14.583	(1.137)	602213	120.000	140(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.

Instrument: BNAMS11.i

Operator: BNAMS 4

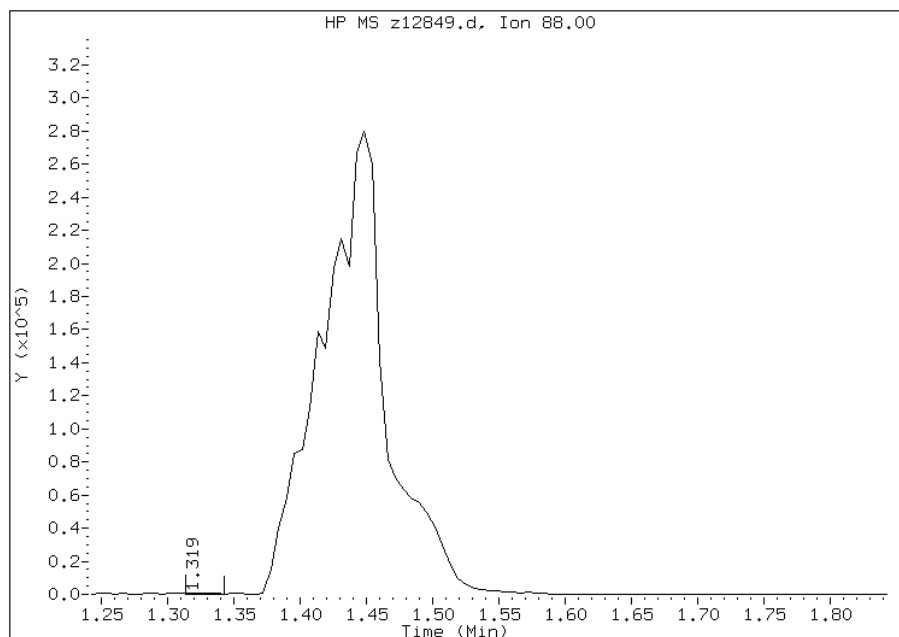


Manual Integration Report

Data File: z12849.d
Inj. Date and Time: 26-SEP-2012 02:02
Instrument ID: BNAMS11.i
Client ID:
Compound: 106 1,4-Dioxane
CAS #: 123-91-1
Report Date: 09/26/2012

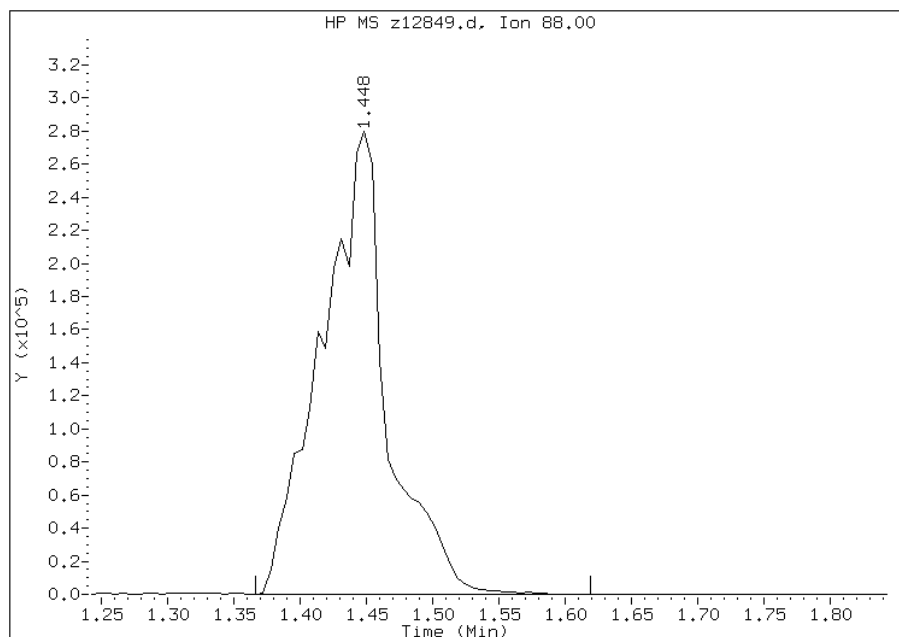
Processing Integration Results

RT: 1.32
Response: 136
Amount: 0
Conc: 0



Manual Integration Results

RT: 1.45
Response: 975487
Amount: 121
Conc: 121



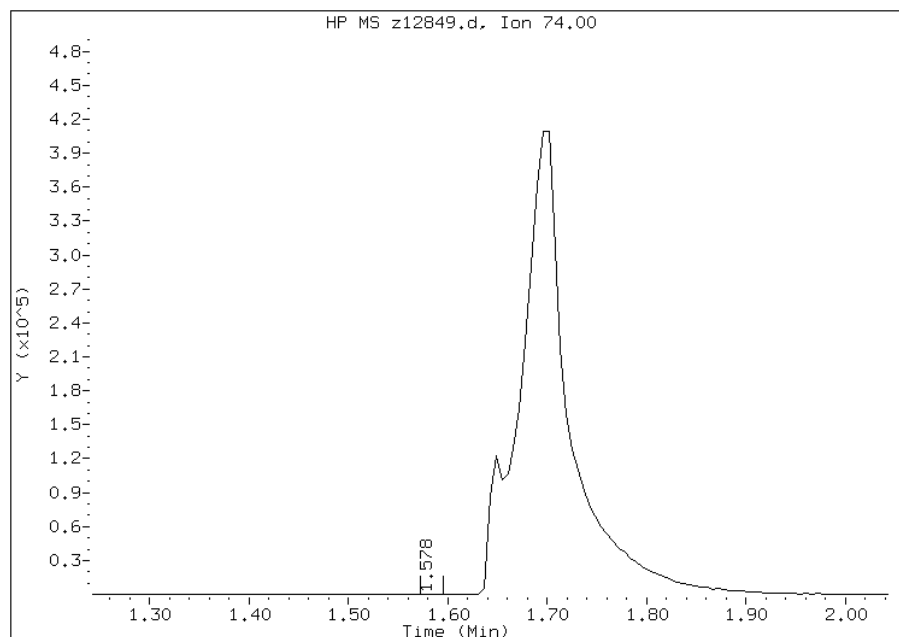
Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: z12849.d
Inj. Date and Time: 26-SEP-2012 02:02
Instrument ID: BNAMS11.i
Client ID:
Compound: 19 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 09/26/2012

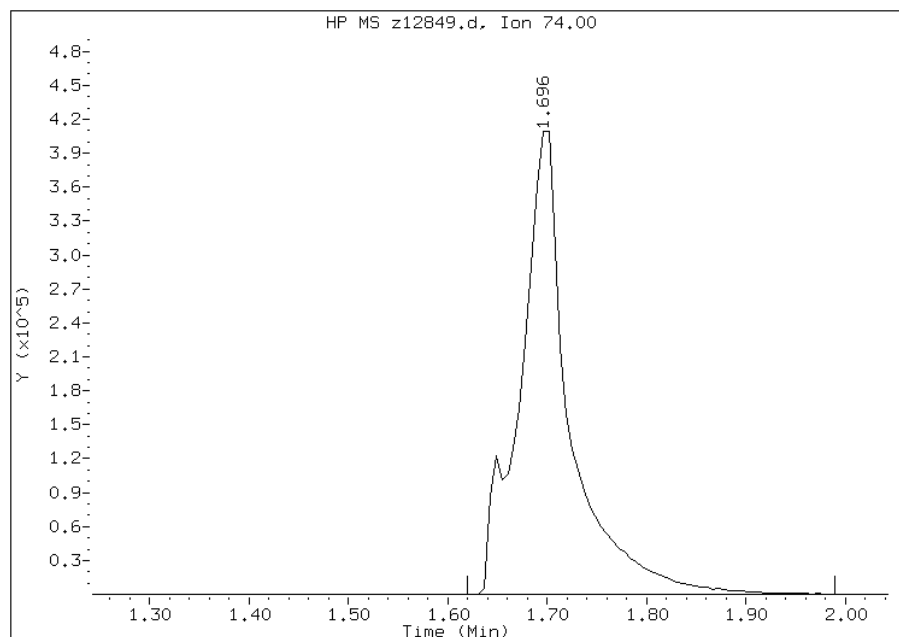
Processing Integration Results

RT: 1.58
Response: 80
Amount: 0
Conc: 0



Manual Integration Results

RT: 1.70
Response: 1442337
Amount: 123
Conc: 123



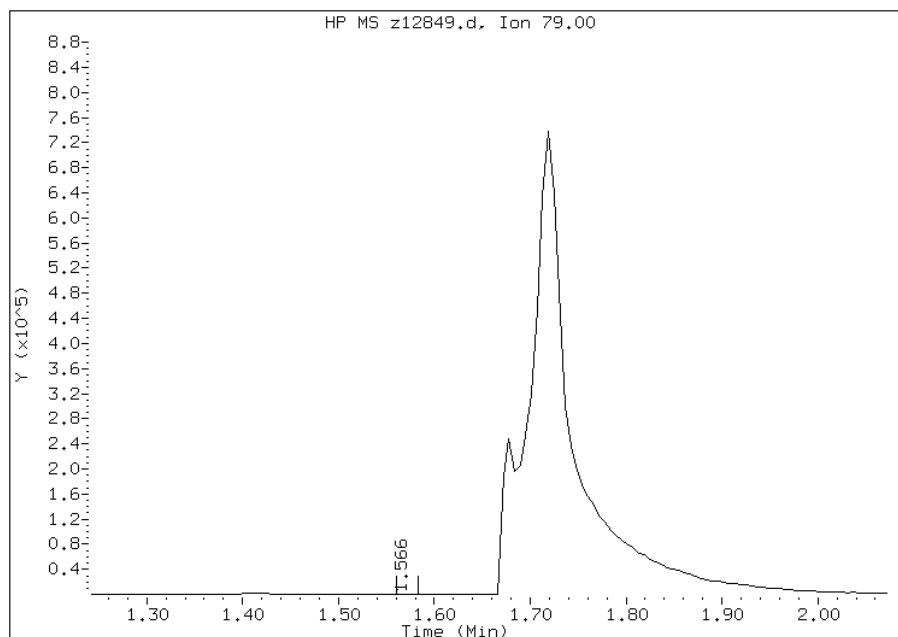
Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: z12849.d
Inj. Date and Time: 26-SEP-2012 02:02
Instrument ID: BNAMS11.i
Client ID:
Compound: 71 Pyridine
CAS #: 110-86-1
Report Date: 09/26/2012

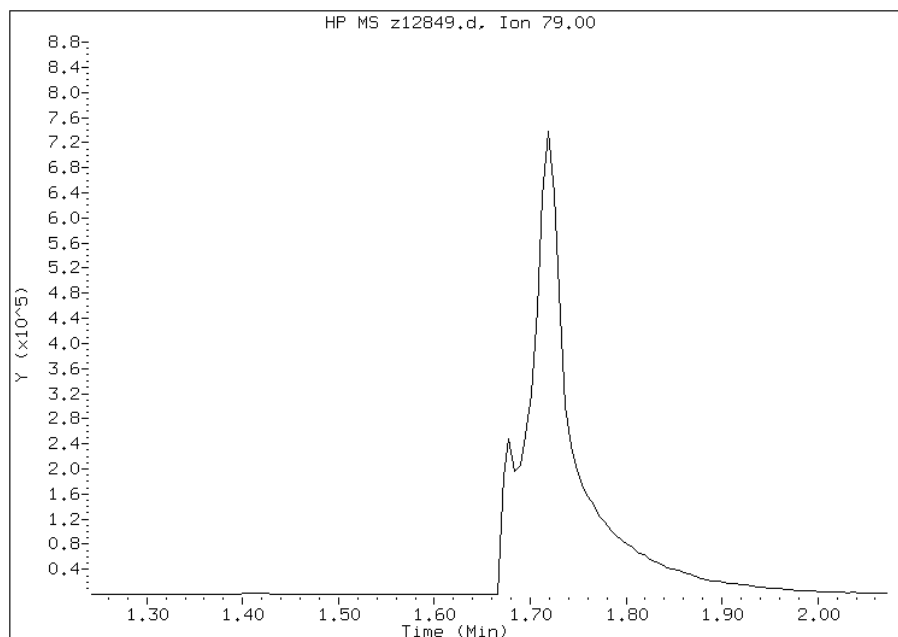
Processing Integration Results

RT: 1.57
Response: 149
Amount: 0
Conc: 0



Manual Integration Results

RT: 1.72
Response: 2473578
Amount: 122
Conc: 122



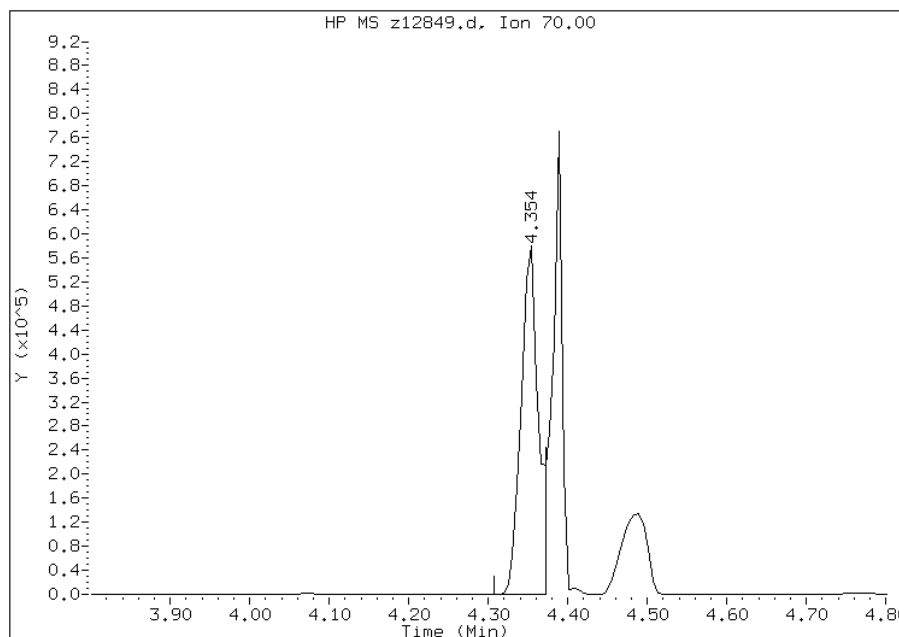
Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: z12849.d
Inj. Date and Time: 26-SEP-2012 02:02
Instrument ID: BNAMS11.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/26/2012

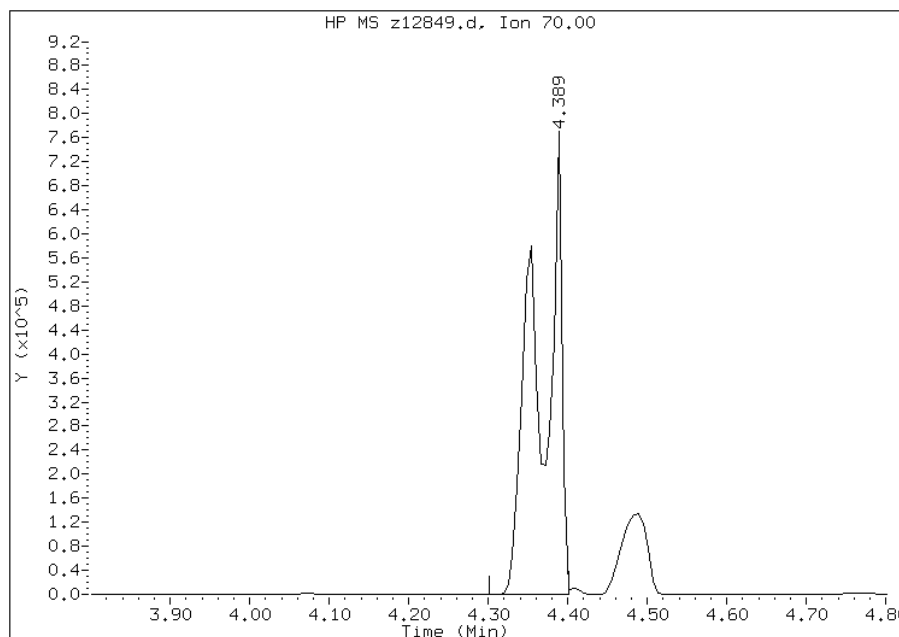
Processing Integration Results

RT: 4.35
Response: 876278
Amount: 88
Conc: 88



Manual Integration Results

RT: 4.39
Response: 1466700
Amount: 119
Conc: 119



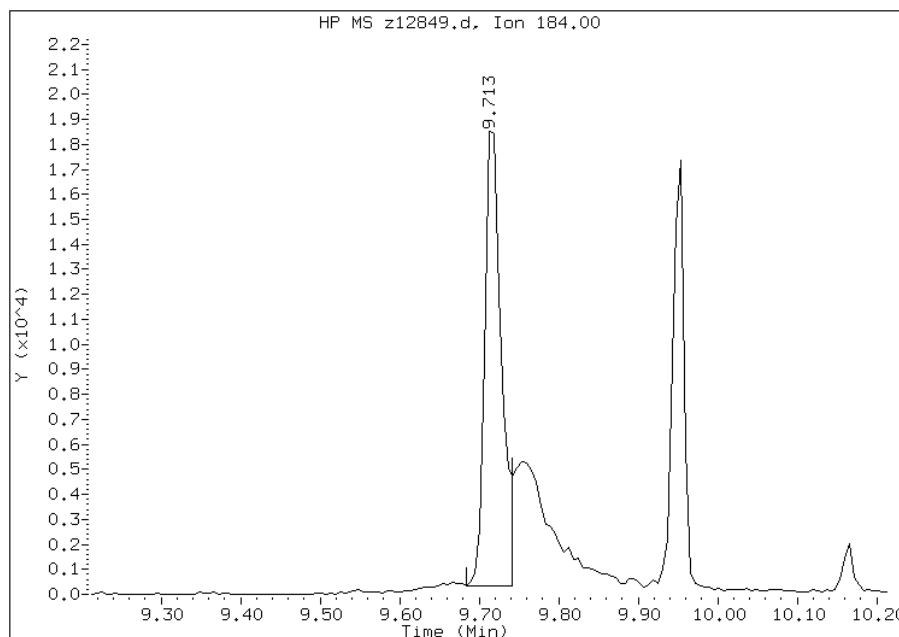
Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: z12849.d
Inj. Date and Time: 26-SEP-2012 02:02
Instrument ID: BNAMS11.i
Client ID:
Compound: 58 Benzidine
CAS #: 92-87-5
Report Date: 09/26/2012

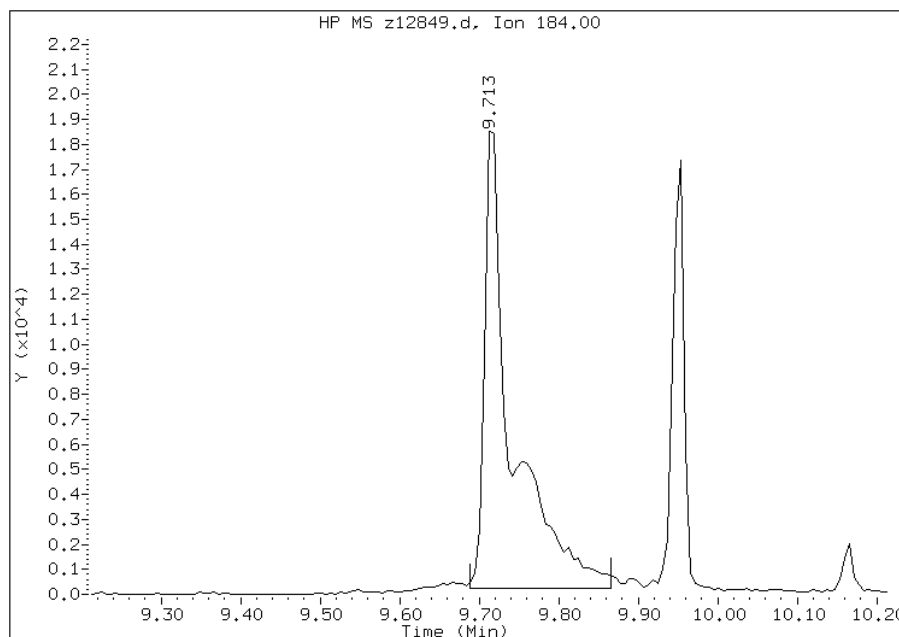
Processing Integration Results

RT: 9.71
Response: 26968
Amount: 32
Conc: 32



Manual Integration Results

RT: 9.71
Response: 43490
Amount: 31
Conc: 31



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12850.d
 Report Date: 26-Sep-2012 13:40

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12850.d
 Lab Smp Id: IC-1687743
 Inj Date : 26-SEP-2012 02:26
 Operator : BNAMS 4
 Smp Info : IC-1687743
 Misc Info : 80 ppm bna4690
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/8270Cdel_08.m
 Meth Date : 26-Sep-2012 13:40 croccom Quant Type: ISTD
 Cal Date : 26-SEP-2012 01:38 Cal File: z12848.d
 Als bottle: 4 Calibration Sample, Level: 4
 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	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	==	=====	=====	=====	=====	=====	
106 1,4-Dioxane	88	1.378	1.378	(0.354)	610255	80.0000	74(H)	
19 N-Nitrosodimethylamine	74	1.625	1.625	(0.417)	909521	80.0000	76(M)	
71 Pyridine	79	1.649	1.649	(0.423)	1557763	80.0000	75(M)	
\$ 16 2-Fluorophenol (SUR)	112	2.666	2.666	(0.684)	1314209	80.0000	76	
110 Benzaldehyde	77	3.460	3.460	(0.888)	372954	80.0000	47	
\$ 17 Phenol-d5 (SUR)	99	3.578	3.578	(0.918)	1616185	80.0000	75	
73 Aniline	93	3.578	3.578	(0.918)	1806061	80.0000	75	
1 Phenol	94	3.596	3.596	(0.923)	1820907	80.0000	74	
20 bis(2-Chloroethyl)ether	93	3.654	3.654	(0.938)	1524493	80.0000	74	
2 2-Chlorophenol	128	3.701	3.701	(0.950)	1359113	80.0000	76	
113 n-decane	43	3.748	3.748	(0.962)	1513486	80.0000	73	
21 1,3-Dichlorobenzene	146	3.843	3.843	(0.986)	1453021	80.0000	76	
* 79 1,4-Dichlorobenzene-d4	152	3.896	3.896	(1.000)	447946	40.0000		
22 1,4-Dichlorobenzene	146	3.919	3.919	(1.006)	1455123	80.0000	77	
74 Benzyl Alcohol	108	4.060	4.060	(1.042)	849748	80.0000	76	

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12850.d
Report Date: 26-Sep-2012 13:40

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	4.066	4.066	(1.044)	1324239	80.0000	75
3 2-Methylphenol	108	4.190	4.190	(1.075)	1178116	80.0000	76
24 bis (2-chloroisopropyl) ether	45	4.190	4.190	(1.075)	1725012	80.0000	72
104 Acetophenone	105	4.325	4.325	(1.110)	1679225	80.0000	76
4 4-Methylphenol	108	4.354	4.354	(1.118)	1180709	80.0000	77
121 3 & 4 Methylphenol	108	4.354	4.354	(1.118)	1180709	80.0000	77
25 N-Nitroso-di-n-propylamine	70	4.337	4.337	(1.113)	975766	80.0000	77(M)
26 Hexachloroethane	117	4.407	4.407	(1.131)	582536	80.0000	76
\$ 76 Nitrobenzene-d5 (SUR)	82	4.478	4.478	(0.864)	1472142	80.0000	76
27 Nitrobenzene	77	4.501	4.501	(0.868)	1857120	80.0000	73
107 N,N-Dimethylaniline	120	4.501	4.501	(1.156)	1850123	80.0000	76
28 Isophorone	82	4.742	4.742	(0.915)	2340645	80.0000	78
5 2-Nitrophenol	139	4.807	4.807	(0.927)	672469	80.0000	78
6 2,4-Dimethylphenol	122	4.884	4.884	(0.942)	1095494	80.0000	76
29 bis(2-Chloroethoxy)methane	93	4.966	4.966	(0.958)	1477460	80.0000	77
7 2,4-Dichlorophenol	162	5.066	5.066	(0.977)	865368	80.0000	76
30 1,2,4-Trichlorobenzene	180	5.131	5.131	(0.990)	947819	80.0000	75
* 80 Naphthalene-d8	136	5.184	5.184	(1.000)	1673411	40.0000	
31 Naphthalene	128	5.207	5.207	(1.005)	3618970	80.0000	76
32 4-Chloroaniline	127	5.278	5.278	(1.018)	1193320	80.0000	74
33 Hexachlorobutadiene	225	5.342	5.342	(1.031)	479279	80.0000	75
111 Caprolactam	113	5.695	5.695	(1.099)	223850	80.0000	76(H)
8 4-Chloro-3-methylphenol	107	5.795	5.795	(1.118)	921459	80.0000	76
34 2-Methylnaphthalene	142	5.901	5.901	(1.138)	2064668	80.0000	76
120 1-Methylnaphthalene	142	6.001	6.001	(1.158)	2114684	80.0000	76
35 Hexachlorocyclopentadiene	237	6.066	6.066	(0.875)	429834	80.0000	80
9 2,4,6-Trichlorophenol	196	6.195	6.195	(0.894)	501969	80.0000	78
10 2,4,5-Trichlorophenol	196	6.242	6.242	(0.901)	488744	80.0000	75
\$ 77 2-Fluorobiphenyl (SUR)	172	6.278	6.278	(0.906)	1948779	80.0000	76
102 Diphenyl	154	6.378	6.378	(0.920)	2230194	80.0000	77
36 2-Chloronaphthalene	162	6.389	6.389	(0.922)	1621639	80.0000	75
103 Diphenyl Ether	170	6.478	6.478	(0.935)	1198628	80.0000	77
37 2-Nitroaniline	65	6.507	6.507	(0.939)	573082	80.0000	77(H)
38 Dimethylphthalate	163	6.695	6.695	(0.966)	1531238	80.0000	76
114 Coumarin	146	6.707	6.707	(1.294)	512691	80.0000	74
40 2,6-Dinitrotoluene	165	6.748	6.748	(0.974)	364555	80.0000	77
39 Acenaphthylene	152	6.795	6.795	(0.980)	2548544	80.0000	75
41 3-Nitroaniline	138	6.913	6.913	(0.997)	333782	80.0000	74
* 82 Acenaphthene-d10	164	6.931	6.931	(1.000)	706682	40.0000	
42 Acenaphthene	154	6.966	6.966	(1.005)	1456855	80.0000	74
11 2,4-Dinitrophenol	184	7.013	7.013	(1.012)	144147	80.0000	88
12 4-Nitrophenol	65	7.101	7.101	(1.025)	257252	80.0000	84
43 Dibenzofuran	168	7.136	7.136	(1.030)	2072590	80.0000	76
44 2,4-Dinitrotoluene	165	7.136	7.136	(1.030)	396826	80.0000	73
45 Diethylphthalate	149	7.384	7.384	(1.065)	1437563	80.0000	75
47 Fluorene	166	7.472	7.472	(1.078)	1599286	80.0000	75
46 4-Chlorophenyl-phenylether	204	7.478	7.478	(1.079)	693501	80.0000	75

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12850.d
 Report Date: 26-Sep-2012 13:40

Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====	=====
48 4-Nitroaniline	138		7.519	7.519	(1.085)	231829	80.0000	69
13 4,6-Dinitro-2-methylphenol	198		7.542	7.542	(0.900)	184745	80.0000	86
49 N-Nitrosodiphenylamine	169		7.601	7.601	(0.907)	988678	80.0000	79
75 1,2-Diphenylhydrazine	77		7.636	7.636	(0.911)	2229536	80.0000	80
\$ 18 2,4,6-Tribromophenol (SUR)	330		7.713	7.713	(1.113)	151028	80.0000	74
50 4-Bromophenyl-phenylether	248		7.954	7.954	(0.949)	335606	80.0000	78
51 Hexachlorobenzene	284		8.013	8.013	(0.956)	323649	80.0000	78
112 Atrazine	200		8.136	8.136	(0.971)	278531	80.0000	78
14 Pentachlorophenol	266		8.213	8.213	(0.980)	183453	80.0000	83
* 83 Phenanthrene-d10	188		8.383	8.383	(1.000)	739421	40.0000	
52 Phenanthrene	178		8.407	8.407	(1.003)	1618784	80.0000	75
53 Anthracene	178		8.460	8.460	(1.009)	1645536	80.0000	75
54 Carbazole	167		8.625	8.625	(1.029)	1287200	80.0000	75
55 Di-n-butylphthalate	149		8.978	8.978	(1.071)	1685978	80.0000	76
56 Fluoranthene	202		9.566	9.566	(1.141)	1189746	80.0000	74
58 Benzidine	184		9.713	9.713	(1.159)	39684	80.0000	26(M)
57 Pyrene	202		9.783	9.783	(0.886)	1136192	80.0000	77
\$ 78 Terphenyl-d14	244		9.948	9.948	(0.900)	672544	80.0000	76
59 Butylbenzylphthalate	149		10.454	10.454	(0.946)	481095	80.0000	81
60 3,3'-Dichlorobenzidine	252		11.019	11.019	(0.997)	171124	80.0000	74
61 Benzo(a)anthracene	228		11.036	11.036	(0.999)	633925	80.0000	74
* 81 Chrysene-d12	240		11.048	11.048	(1.000)	279283	40.0000	
63 bis(2-Ethylhexyl)phthalate	149		11.101	11.101	(1.005)	614331	80.0000	81
62 Chrysene	228		11.077	11.077	(1.003)	610565	80.0000	77
64 Di-n-octylphthalate	149		11.895	11.895	(0.927)	835912	80.0000	85
65 Benzo(b)fluoranthene	252		12.342	12.342	(0.962)	482304	80.0000	80
66 Benzo(k)fluoranthene	252		12.377	12.377	(0.965)	494559	80.0000	78
67 Benzo(a)pyrene	252		12.760	12.760	(0.994)	386220	80.0000	82
* 84 Perylene-d12	264		12.830	12.830	(1.000)	199325	40.0000	
68 Indeno(1,2,3-cd)pyrene	276		14.218	14.218	(1.108)	364165	80.0000	89
69 Dibenz(a,h)anthracene	278		14.254	14.254	(1.111)	360411	80.0000	87
70 Benzo(g,h,i)perylene	276		14.571	14.571	(1.136)	369595	80.0000	85

QC Flag Legend

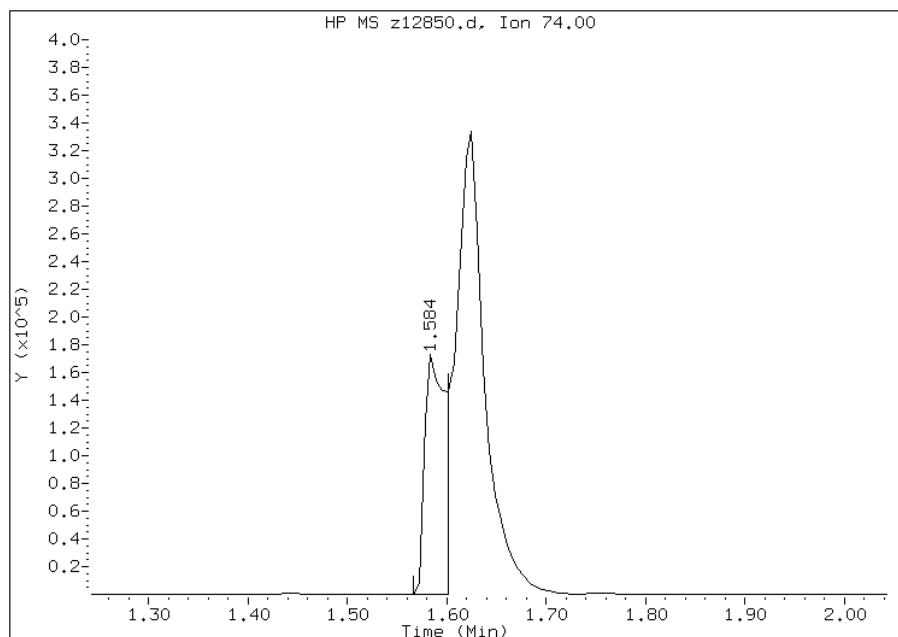
M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.

Manual Integration Report

Data File: z12850.d
Inj. Date and Time: 26-SEP-2012 02:26
Instrument ID: BNAMS11.i
Client ID:
Compound: 19 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 09/26/2012

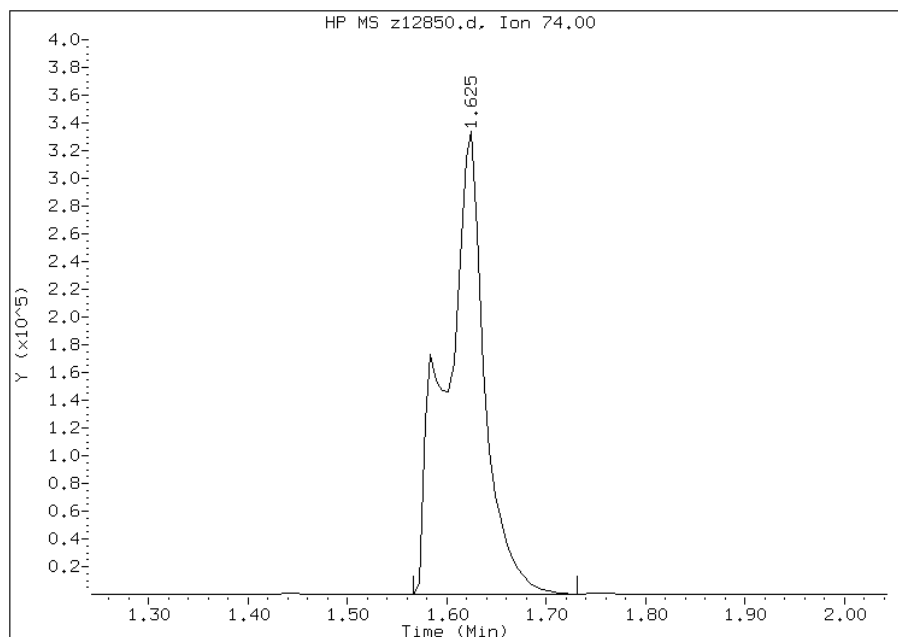
Processing Integration Results

RT: 1.58
Response: 265360
Amount: 38
Conc: 38



Manual Integration Results

RT: 1.63
Response: 909521
Amount: 76
Conc: 76



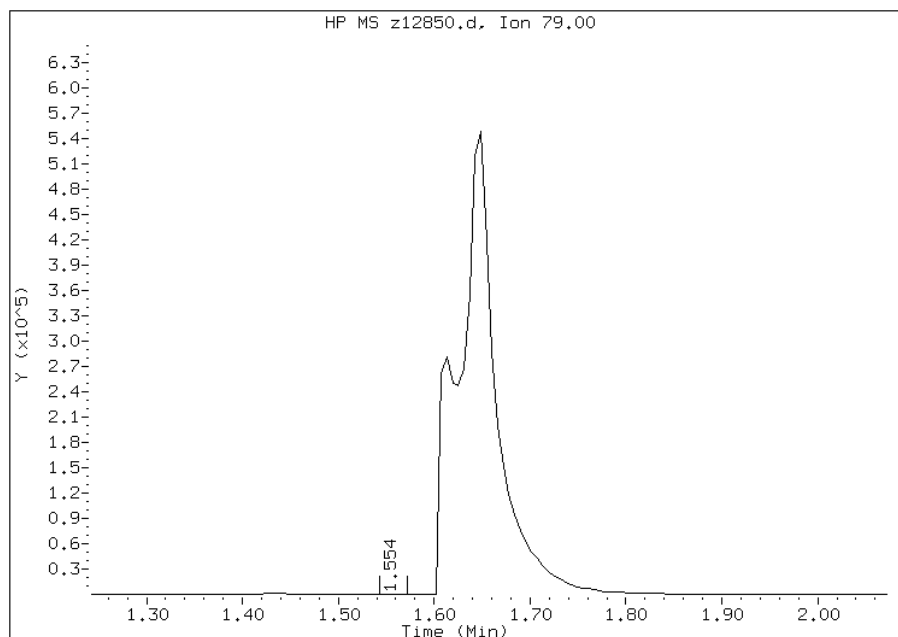
Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: z12850.d
Inj. Date and Time: 26-SEP-2012 02:26
Instrument ID: BNAMS11.i
Client ID:
Compound: 71 Pyridine
CAS #: 110-86-1
Report Date: 09/26/2012

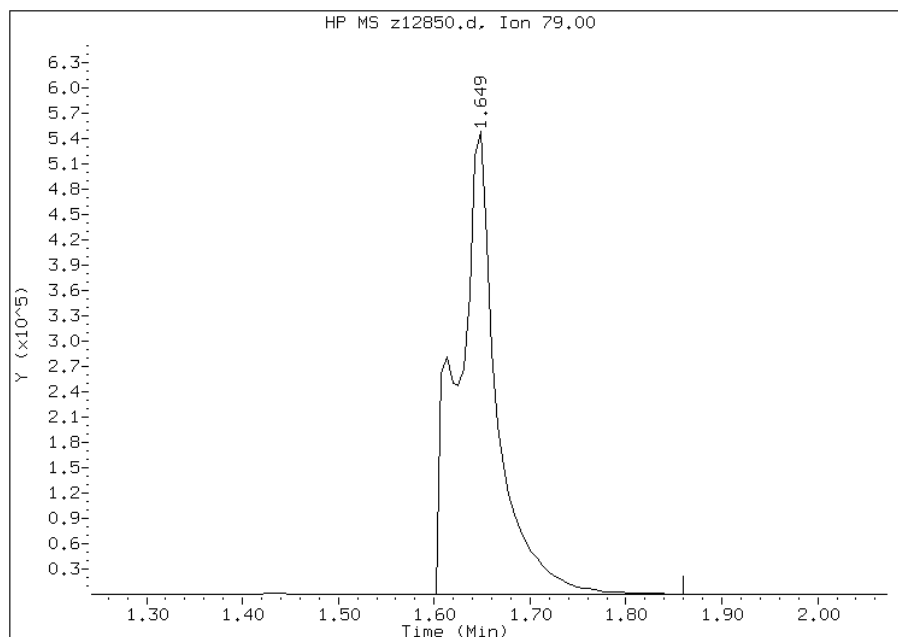
Processing Integration Results

RT: 1.55
Response: 63
Amount: 0
Conc: 0



Manual Integration Results

RT: 1.65
Response: 1557763
Amount: 75
Conc: 75



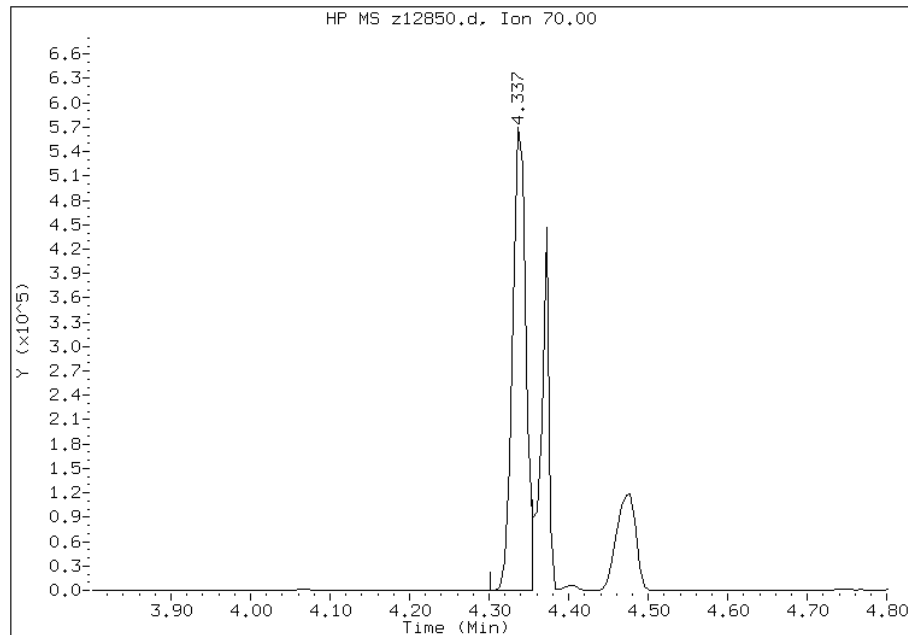
Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: z12850.d
Inj. Date and Time: 26-SEP-2012 02:26
Instrument ID: BNAMS11.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/26/2012

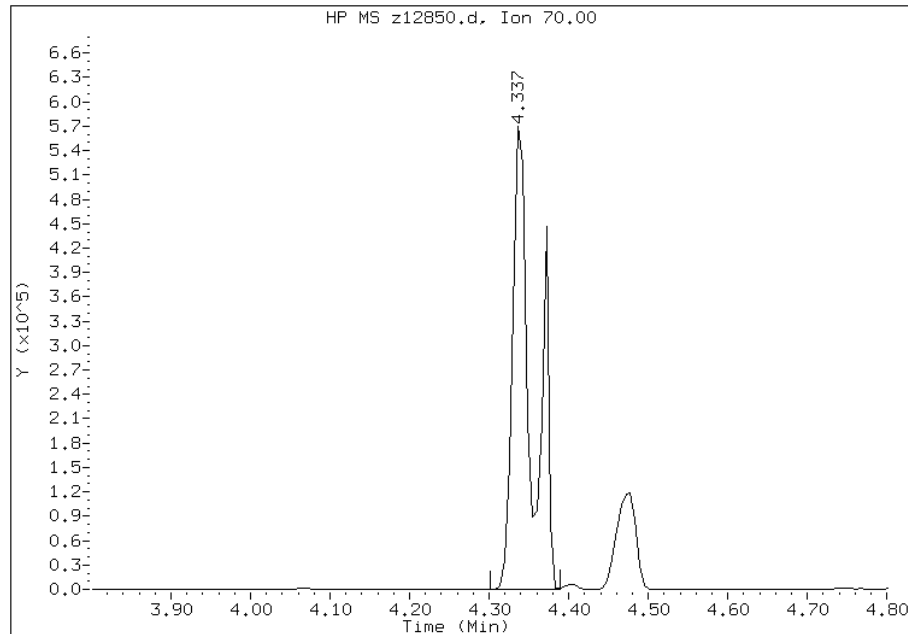
Processing Integration Results

RT: 4.34
Response: 681942
Amount: 60
Conc: 60



Manual Integration Results

RT: 4.34
Response: 975766
Amount: 77
Conc: 77



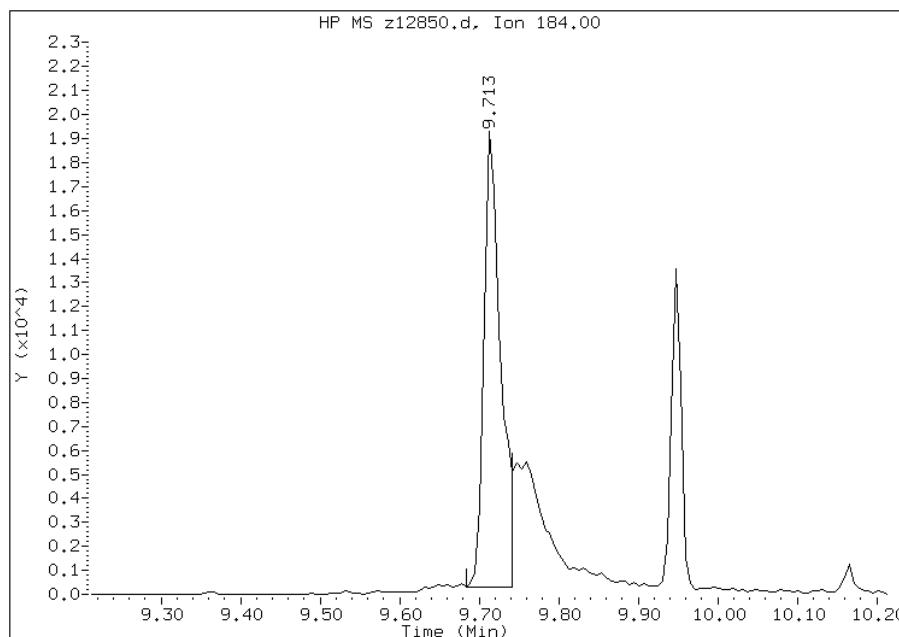
Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: z12850.d
Inj. Date and Time: 26-SEP-2012 02:26
Instrument ID: BNAMS11.i
Client ID:
Compound: 58 Benzidine
CAS #: 92-87-5
Report Date: 09/26/2012

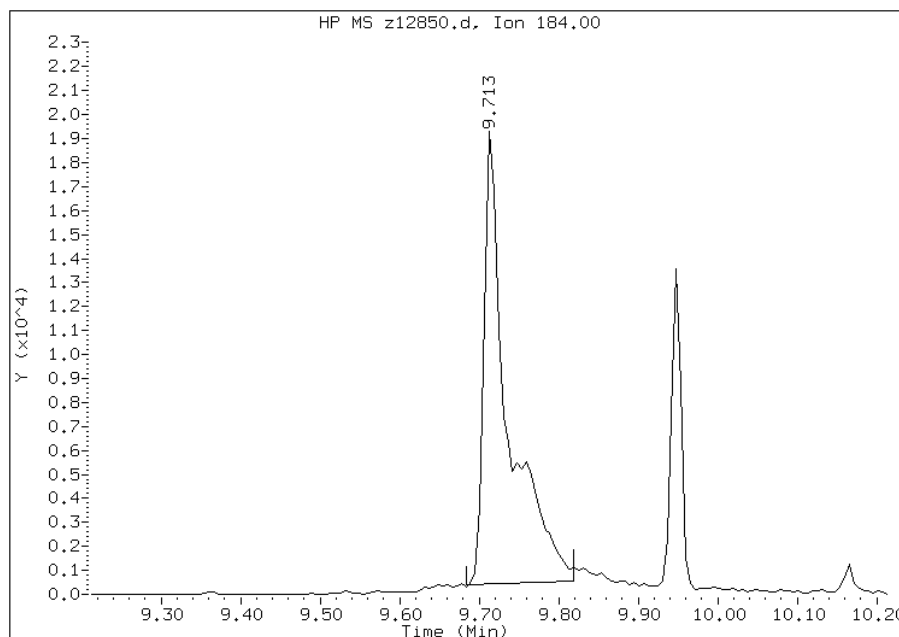
Processing Integration Results

RT: 9.71
Response: 28157
Amount: 40
Conc: 40



Manual Integration Results

RT: 9.71
Response: 39684
Amount: 26
Conc: 26



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12851.d
 Report Date: 26-Sep-2012 13:40

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12851.d
 Lab Smp Id: IC-1687751
 Inj Date : 26-SEP-2012 02:50
 Operator : BNAMS 4
 Smp Info : IC-1687751
 Misc Info : 20 ppm bna4690
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/8270Cdel_08.m
 Meth Date : 26-Sep-2012 13:40 croccom Quant Type: ISTD
 Cal Date : 26-SEP-2012 01:38 Cal File: z12848.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	1.325	1.325 (0.341)		164166	20.0000	20
19 N-Nitrosodimethylamine		74	1.537	1.537 (0.395)		236968	20.0000	20(H)
71 Pyridine		79	1.560	1.560 (0.401)		426432	20.0000	20
\$ 16 2-Fluorophenol (SUR)		112	2.619	2.619 (0.673)		358968	20.0000	21
110 Benzaldehyde		77	3.442	3.442 (0.885)		213685	20.0000	27
\$ 17 Phenol-d5 (SUR)		99	3.542	3.542 (0.911)		455716	20.0000	21
73 Aniline		93	3.554	3.554 (0.914)		512466	20.0000	21
1 Phenol		94	3.554	3.554 (0.914)		493928	20.0000	20(H)
20 bis(2-Chloroethyl)ether		93	3.625	3.625 (0.932)		385370	20.0000	19
2 2-Chlorophenol		128	3.678	3.678 (0.946)		369277	20.0000	20
113 n-decane		43	3.737	3.737 (0.961)		453681	20.0000	22
21 1,3-Dichlorobenzene		146	3.831	3.831 (0.985)		382575	20.0000	20
* 79 1,4-Dichlorobenzene-d4		152	3.890	3.890 (1.000)		448130	40.0000	
22 1,4-Dichlorobenzene		146	3.901	3.901 (1.003)		382250	20.0000	20
74 Benzyl Alcohol		108	4.037	4.037 (1.038)		227918	20.0000	20

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12851.d
 Report Date: 26-Sep-2012 13:40

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ug/ml)	ON -COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	4.054	4.054	(1.042)	357874	20.0000	20
3 2-Methylphenol	108	4.166	4.166	(1.071)	312844	20.0000	20
24 bis (2-chloroisopropyl) ether	45	4.178	4.178	(1.074)	514935	20.0000	21
104 Acetophenone	105	4.307	4.307	(1.107)	457988	20.0000	21
4 4-Methylphenol	108	4.325	4.325	(1.112)	307472	20.0000	20
121 3 & 4 Methylphenol	108	4.325	4.325	(1.112)	307472	20.0000	20
25 N-Nitroso-di-n-propylamine	70	4.313	4.313	(1.109)	261456	20.0000	21
26 Hexachloroethane	117	4.395	4.395	(1.130)	157243	20.0000	20
\$ 76 Nitrobenzene-d5 (SUR)	82	4.454	4.454	(0.860)	406701	20.0000	21
27 Nitrobenzene	77	4.472	4.472	(0.864)	530865	20.0000	21
107 N,N-Dimethylaniline	120	4.478	4.478	(1.151)	513024	20.0000	21
28 Isophorone	82	4.719	4.719	(0.911)	607573	20.0000	20
5 2-Nitrophenol	139	4.795	4.795	(0.926)	174926	20.0000	20
6 2,4-Dimethylphenol	122	4.860	4.860	(0.939)	292870	20.0000	20
29 bis(2-Chloroethoxy)methane	93	4.948	4.948	(0.956)	392788	20.0000	20
7 2,4-Dichlorophenol	162	5.048	5.048	(0.975)	235912	20.0000	20
30 1,2,4-Trichlorobenzene	180	5.125	5.125	(0.990)	253597	20.0000	20
* 80 Naphthalene-d8	136	5.178	5.178	(1.000)	1685367	40.0000	
31 Naphthalene	128	5.195	5.195	(1.003)	977424	20.0000	20
32 4-Chloroaniline	127	5.266	5.266	(1.017)	337094	20.0000	21
33 Hexachlorobutadiene	225	5.336	5.336	(1.031)	130896	20.0000	20
111 Caprolactam	113	5.625	5.625	(1.086)	62958	20.0000	21
8 4-Chloro-3-methylphenol	107	5.778	5.778	(1.116)	249586	20.0000	20
34 2-Methylnaphthalene	142	5.895	5.895	(1.139)	564845	20.0000	21
120 1-Methylnaphthalene	142	5.989	5.989	(1.157)	585668	20.0000	21
35 Hexachlorocyclopentadiene	237	6.060	6.060	(0.875)	107234	20.0000	19
9 2,4,6-Trichlorophenol	196	6.189	6.189	(0.894)	135288	20.0000	20
10 2,4,5-Trichlorophenol	196	6.225	6.225	(0.899)	137179	20.0000	20
\$ 77 2-Fluorobiphenyl (SUR)	172	6.266	6.266	(0.905)	558880	20.0000	21
102 Diphenyl	154	6.366	6.366	(0.919)	625963	20.0000	20
36 2-Chloronaphthalene	162	6.378	6.378	(0.921)	455715	20.0000	20
103 Diphenyl Ether	170	6.472	6.472	(0.935)	328156	20.0000	20
37 2-Nitroaniline	65	6.489	6.489	(0.937)	158374	20.0000	20(H)
38 Dimethylphthalate	163	6.678	6.678	(0.964)	434849	20.0000	20
114 Coumarin	146	6.689	6.689	(1.292)	146735	20.0000	21
40 2,6-Dinitrotoluene	165	6.731	6.731	(0.972)	102739	20.0000	21
39 Acenaphthylene	152	6.783	6.783	(0.980)	725742	20.0000	20
41 3-Nitroaniline	138	6.895	6.895	(0.996)	98475	20.0000	21
* 82 Acenaphthene-d10	164	6.925	6.925	(1.000)	740604	40.0000	
42 Acenaphthene	154	6.954	6.954	(1.004)	429253	20.0000	21
11 2,4-Dinitrophenol	184	7.001	7.001	(1.011)	49530	30.0000	29
12 4-Nitrophenol	65	7.089	7.089	(1.024)	82699	30.0000	26
43 Dibenzofuran	168	7.125	7.125	(1.029)	587871	20.0000	20
44 2,4-Dinitrotoluene	165	7.125	7.125	(1.029)	115244	20.0000	20
45 Diethylphthalate	149	7.372	7.372	(1.065)	412821	20.0000	20
47 Fluorene	166	7.460	7.460	(1.077)	460183	20.0000	20
46 4-Chlorophenyl-phenylether	204	7.472	7.472	(1.079)	201139	20.0000	21

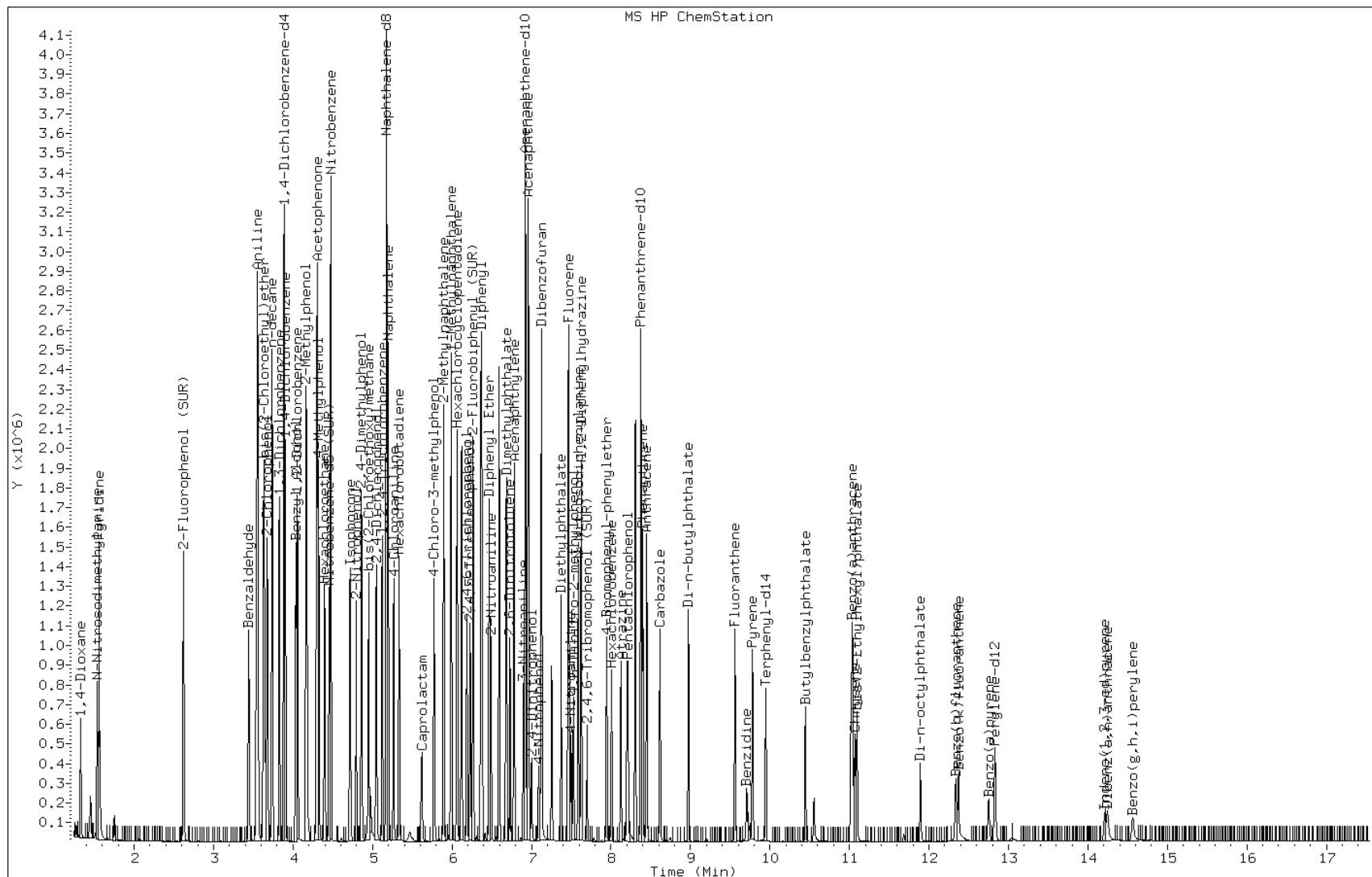
Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12851.d
 Report Date: 26-Sep-2012 13:40

Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====	=====
48 4-Nitroaniline	138		7.495	7.495	(1.082)	77050	20.0000	22
13 4,6-Dinitro-2-methylphenol	198		7.525	7.525	(0.898)	72976	30.0000	30
49 N-Nitrosodiphenylamine	169		7.589	7.589	(0.906)	293059	20.0000	21
75 1,2-Diphenylhydrazine	77		7.625	7.625	(0.910)	641991	20.0000	20
\$ 18 2,4,6-Tribromophenol (SUR)	330		7.701	7.701	(1.112)	46379	20.0000	22
50 4-Bromophenyl-phenylether	248		7.948	7.948	(0.949)	100608	20.0000	21
51 Hexachlorobenzene	284		8.007	8.007	(0.956)	96915	20.0000	21
112 Atrazine	200		8.125	8.125	(0.970)	81423	20.0000	20
14 Pentachlorophenol	266		8.207	8.207	(0.980)	75353	30.0000	30
* 83 Phenanthrene-d10	188		8.377	8.377	(1.000)	835579	40.0000	
52 Phenanthrene	178		8.401	8.401	(1.003)	503516	20.0000	21
53 Anthracene	178		8.448	8.448	(1.008)	504391	20.0000	20
54 Carbazole	167		8.613	8.613	(1.028)	394188	20.0000	20
55 Di-n-butylphthalate	149		8.972	8.972	(1.071)	501988	20.0000	20
56 Fluoranthene	202		9.560	9.560	(1.141)	374023	20.0000	20
58 Benzidine	184		9.707	9.707	(1.159)	106463	30.0000	63
57 Pyrene	202		9.777	9.777	(0.885)	355735	20.0000	20
\$ 78 Terphenyl-d14	244		9.948	9.948	(0.901)	220298	20.0000	21
59 Butylbenzylphthalate	149		10.448	10.448	(0.946)	135755	20.0000	19
60 3,3'-Dichlorobenzidine	252		11.018	11.018	(0.998)	88263	30.0000	33
61 Benzo(a)anthracene	228		11.030	11.030	(0.999)	193397	20.0000	19
* 81 Chrysene-d12	240		11.042	11.042	(1.000)	326712	40.0000	
63 bis(2-Ethylhexyl)phthalate	149		11.095	11.095	(1.005)	171206	20.0000	19
62 Chrysene	228		11.066	11.066	(1.002)	190460	20.0000	21
64 Di-n-octylphthalate	149		11.895	11.895	(0.927)	209940	20.0000	19
65 Benzo(b)fluoranthene	252		12.336	12.336	(0.961)	139297	20.0000	21
66 Benzo(k)fluoranthene	252		12.371	12.371	(0.964)	144392	20.0000	21
67 Benzo(a)pyrene	252		12.754	12.754	(0.994)	108090	20.0000	21
* 84 Perylene-d12	264		12.830	12.830	(1.000)	219345	40.0000	
68 Indeno(1,2,3-cd)pyrene	276		14.212	14.212	(1.108)	85193	20.0000	19(M)
69 Dibenz(a,h)anthracene	278		14.248	14.248	(1.110)	92523	20.0000	20
70 Benzo(g,h,i)perylene	276		14.565	14.565	(1.135)	92480	20.0000	19

QC Flag Legend

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

Operator: BNAMS 4

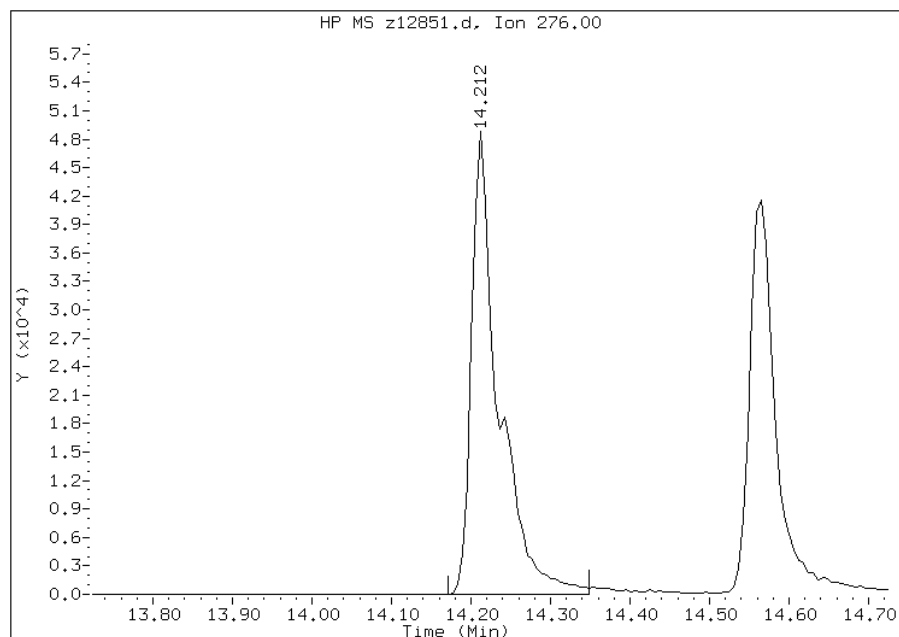


Manual Integration Report

Data File: z12851.d
Inj. Date and Time: 26-SEP-2012 02:50
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/26/2012

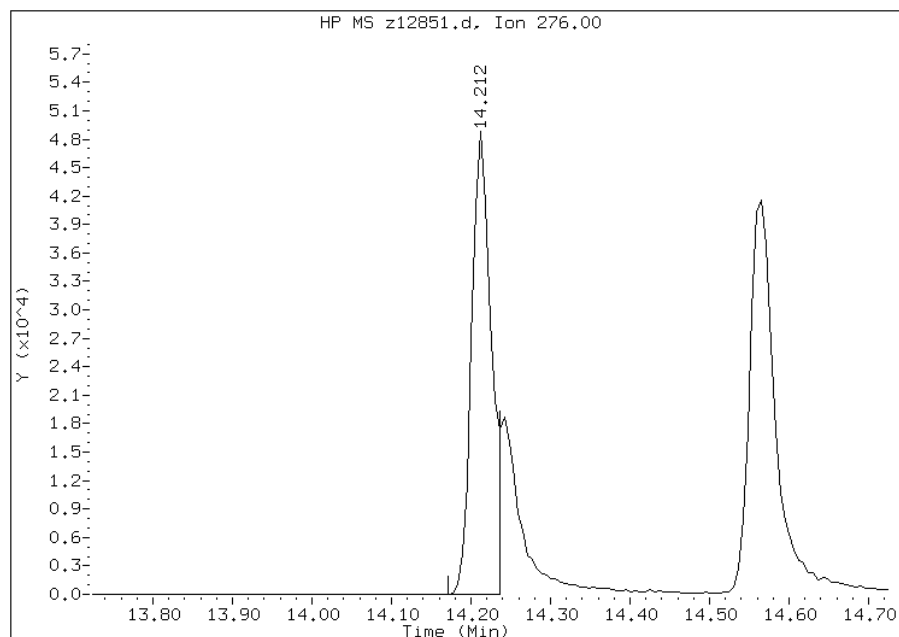
Processing Integration Results

RT: 14.21
Response: 116235
Amount: 22
Conc: 22



Manual Integration Results

RT: 14.21
Response: 85193
Amount: 19
Conc: 19



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

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12853.d
 Report Date: 26-Sep-2012 13:40

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12853.d
 Lab Smp Id: IC-1687753
 Inj Date : 26-SEP-2012 03:37
 Operator : BNAMS 4
 Smp Info : IC-1687753
 Misc Info : 5 ppm bna4690
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/8270Cdel_08.m
 Meth Date : 26-Sep-2012 13:40 croccom Quant Type: ISTD
 Cal Date : 26-SEP-2012 01:38 Cal File: z12848.d
 Als bottle: 7 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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane		88	1.343	1.343	(0.346)	47156	5.00000	5.1
19 N-Nitrosodimethylamine		74	1.543	1.543	(0.397)	65699	5.00000	5.0
71 Pyridine		79	1.572	1.572	(0.405)	116801	5.00000	5.1(H)
\$ 16 2-Fluorophenol (SUR)		112	2.625	2.625	(0.676)	97497	5.00000	5.1
110 Benzaldehyde		77	3.443	3.443	(0.886)	70609	5.00000	8.0
\$ 17 Phenol-d5 (SUR)		99	3.531	3.531	(0.909)	126411	5.00000	5.3
73 Aniline		93	3.554	3.554	(0.915)	158628	5.00000	5.9
1 Phenol		94	3.549	3.549	(0.914)	158459	5.00000	5.8
20 bis(2-Chloroethyl)ether		93	3.619	3.619	(0.932)	11435	0.50000	0.50
2 2-Chlorophenol		128	3.672	3.672	(0.945)	113568	5.00000	5.7
113 n-decane		43	3.737	3.737	(0.962)	125541	5.00000	5.5
21 1,3-Dichlorobenzene		146	3.825	3.825	(0.985)	109204	5.00000	5.2
* 79 1,4-Dichlorobenzene-d4		152	3.884	3.884	(1.000)	496217	40.0000	
22 1,4-Dichlorobenzene		146	3.901	3.901	(1.005)	110352	5.00000	5.2
74 Benzyl Alcohol		108	4.031	4.031	(1.038)	63137	5.00000	5.1

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12853.d
Report Date: 26-Sep-2012 13:40

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	4.054	4.054	(1.044)	102751	5.00000	5.3
3 2-Methylphenol	108	4.160	4.160	(1.071)	98223	5.00000	5.7
24 bis (2-chloroisopropyl) ether	45	4.172	4.172	(1.074)	150415	5.00000	5.6
104 Acetophenone	105	4.296	4.296	(1.106)	128112	5.00000	5.2
4 4-Methylphenol	108	4.319	4.319	(1.112)	96424	5.00000	5.7
121 3 & 4 Methylphenol	108	4.319	4.319	(1.112)	96424	5.00000	5.7
25 N-Nitroso-di-n-propylamine	70	4.301	4.301	(1.108)	7084	0.50000	0.50
26 Hexachloroethane	117	4.396	4.396	(1.132)	4373	0.50000	0.51
\$ 76 Nitrobenzene-d5 (SUR)	82	4.449	4.449	(0.860)	108647	5.00000	5.0
27 Nitrobenzene	77	4.466	4.466	(0.864)	15548	0.50000	0.55
107 N,N-Dimethylaniline	120	4.472	4.472	(1.151)	13886	0.50000	0.51
28 Isophorone	82	4.713	4.713	(0.911)	170653	5.00000	5.0
5 2-Nitrophenol	139	4.796	4.796	(0.927)	51231	5.00000	5.3
6 2,4-Dimethylphenol	122	4.860	4.860	(0.940)	91342	5.00000	5.7
29 bis(2-Chloroethoxy)methane	93	4.948	4.948	(0.957)	109730	5.00000	5.1
7 2,4-Dichlorophenol	162	5.043	5.043	(0.975)	72985	5.00000	5.7
30 1,2,4-Trichlorobenzene	180	5.119	5.119	(0.990)	7828	0.50000	0.55
* 80 Naphthalene-d8	136	5.172	5.172	(1.000)	1872938	40.0000	
31 Naphthalene	128	5.196	5.196	(1.005)	280939	5.00000	5.3
32 4-Chloroaniline	127	5.260	5.260	(1.017)	99147	5.00000	5.5
33 Hexachlorobutadiene	225	5.331	5.331	(1.031)	7613	1.00000	1.1
111 Caprolactam	113	5.590	5.590	(1.081)	16238	5.00000	4.9(a)
8 4-Chloro-3-methylphenol	107	5.772	5.772	(1.116)	76173	5.00000	5.6
34 2-Methylnaphthalene	142	5.890	5.890	(1.139)	159681	5.00000	5.3
120 1-Methylnaphthalene	142	5.990	5.990	(1.158)	167322	5.00000	5.3(a)
35 Hexachlorocyclopentadiene	237	6.060	6.060	(0.875)	29845	5.00000	4.6(a)
9 2,4,6-Trichlorophenol	196	6.184	6.184	(0.893)	42388	5.00000	5.5
10 2,4,5-Trichlorophenol	196	6.219	6.219	(0.898)	45008	5.00000	5.8
\$ 77 2-Fluorobiphenyl (SUR)	172	6.266	6.266	(0.905)	162342	5.00000	5.3
102 Diphenyl	154	6.360	6.360	(0.918)	180134	5.00000	5.2
36 2-Chloronaphthalene	162	6.372	6.372	(0.920)	140389	5.00000	5.4
103 Diphenyl Ether	170	6.466	6.466	(0.934)	97652	5.00000	5.2
37 2-Nitroaniline	65	6.484	6.484	(0.936)	94097	10.0000	10
38 Dimethylphthalate	163	6.672	6.672	(0.963)	128424	5.00000	5.3
114 Coumarin	146	6.684	6.684	(1.292)	43179	5.00000	5.6
40 2,6-Dinitrotoluene	165	6.725	6.725	(0.971)	5642	1.00000	0.99(a)
39 Acenaphthylene	152	6.778	6.778	(0.979)	221166	5.00000	5.4
41 3-Nitroaniline	138	6.895	6.895	(0.996)	62362	10.0000	11
* 82 Acenaphthene-d10	164	6.925	6.925	(1.000)	848512	40.0000	
42 Acenaphthene	154	6.954	6.954	(1.004)	129360	5.00000	5.4
11 2,4-Dinitrophenol	184	6.995	6.995	(1.010)	19907	15.0000	10(a)
12 4-Nitrophenol	65	7.107	7.107	(1.026)	47178	15.0000	13(aM)
43 Dibenzofuran	168	7.125	7.125	(1.029)	176391	5.00000	5.4
44 2,4-Dinitrotoluene	165	7.119	7.119	(1.028)	7319	1.00000	1.1
45 Diethylphthalate	149	7.372	7.372	(1.065)	123860	5.00000	5.4
47 Fluorene	166	7.460	7.460	(1.077)	142104	5.00000	5.5
46 4-Chlorophenyl-phenylether	204	7.466	7.466	(1.078)	61911	5.00000	5.6

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12853.d
Report Date: 26-Sep-2012 13:40

Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====	=====
48 4-Nitroaniline	138		7.495	7.495	(1.082)	48549	10.0000	12
13 4,6-Dinitro-2-methylphenol	198		7.519	7.519	(0.897)	37068	15.0000	12(a)
49 N-Nitrosodiphenylamine	169		7.584	7.584	(0.905)	88705	5.00000	5.1
75 1,2-Diphenylhydrazine	77		7.619	7.619	(0.909)	160525	5.00000	4.2(a)
\$ 18 2,4,6-Tribromophenol (SUR)	330		7.695	7.695	(1.111)	13268	5.00000	5.4
50 4-Bromophenyl-phenylether	248		7.942	7.942	(0.948)	30536	5.00000	5.1
51 Hexachlorobenzene	284		8.001	8.001	(0.955)	2951	0.50000	0.51
112 Atrazine	200		8.119	8.119	(0.969)	24872	5.00000	5.0
14 Pentachlorophenol	266		8.201	8.201	(0.979)	39965	15.0000	13(a)
* 83 Phenanthrene-d10	188		8.378	8.378	(1.000)	1028059	40.0000	
52 Phenanthrene	178		8.395	8.395	(1.002)	158747	5.00000	5.3
53 Anthracene	178		8.448	8.448	(1.008)	160144	5.00000	5.3
54 Carbazole	167		8.613	8.613	(1.028)	127588	5.00000	5.4
55 Di-n-butylphthalate	149		8.972	8.972	(1.071)	148624	5.00000	4.8(a)
56 Fluoranthene	202		9.560	9.560	(1.141)	123282	5.00000	5.5
58 Benzidine	184		9.713	9.713	(1.159)	27231	10.0000	13
57 Pyrene	202		9.778	9.778	(0.885)	117939	5.00000	5.2
\$ 78 Terphenyl-d14	244		9.948	9.948	(0.901)	69877	5.00000	5.1
59 Butylbenzylphthalate	149		10.448	10.448	(0.946)	39301	5.00000	4.3(a)
60 3,3'-Dichlorobenzidine	252		11.025	11.025	(0.998)	36713	10.0000	10
61 Benzo(a)anthracene	228		11.030	11.030	(0.999)	7329	0.50000	0.56
* 81 Chrysene-d12	240		11.042	11.042	(1.000)	428530	40.0000	
63 bis(2-Ethylhexyl)phthalate	149		11.095	11.095	(1.005)	47623	5.00000	4.1(a)
62 Chrysene	228		11.066	11.066	(1.002)	62086	5.00000	5.1
64 Di-n-octylphthalate	149		11.895	11.895	(0.927)	46878	5.00000	3.6(a)
65 Benzo(b)fluoranthene	252		12.336	12.336	(0.961)	3376	0.50000	0.42(a)
66 Benzo(k)fluoranthene	252		12.372	12.372	(0.964)	4374	0.50000	0.52(M)
67 Benzo(a)pyrene	252		12.754	12.754	(0.994)	2538	0.50000	0.40(a)
* 84 Perylene-d12	264		12.830	12.830	(1.000)	263574	40.0000	
68 Indeno(1,2,3-cd)pyrene	276		14.224	14.224	(1.109)	1564	0.50000	0.29(a)
69 Dibenz(a,h)anthracene	278		14.260	14.260	(1.111)	1744	0.50000	0.32(a)
70 Benzo(g,h,i)perylene	276		14.566	14.566	(1.135)	21654	5.00000	3.8(a)

QC Flag Legend

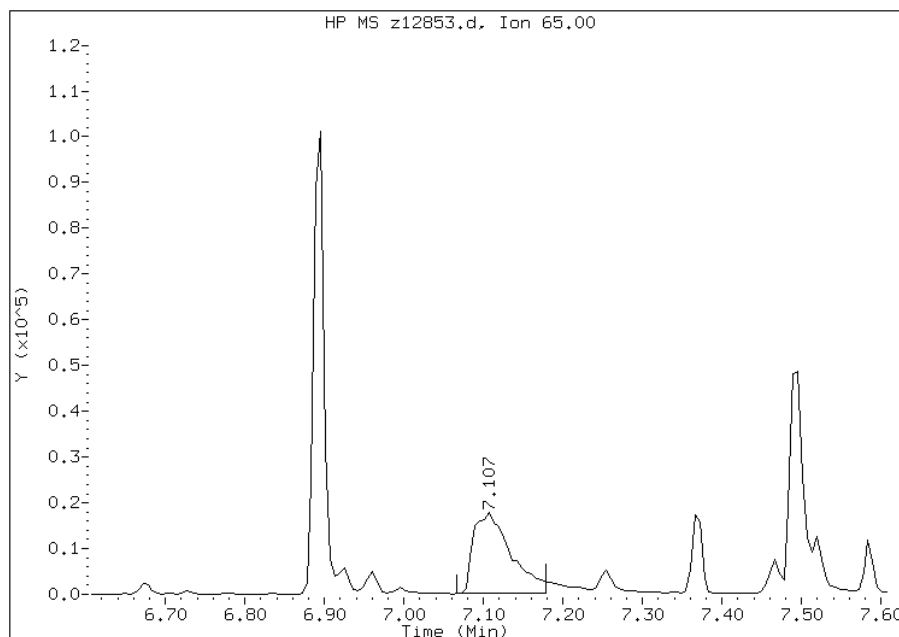
- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Manual Integration Report

Data File: z12853.d
Inj. Date and Time: 26-SEP-2012 03:37
Instrument ID: BNAMS11.i
Client ID:
Compound: 12 4-Nitrophenol
CAS #: 100-02-7
Report Date: 09/26/2012

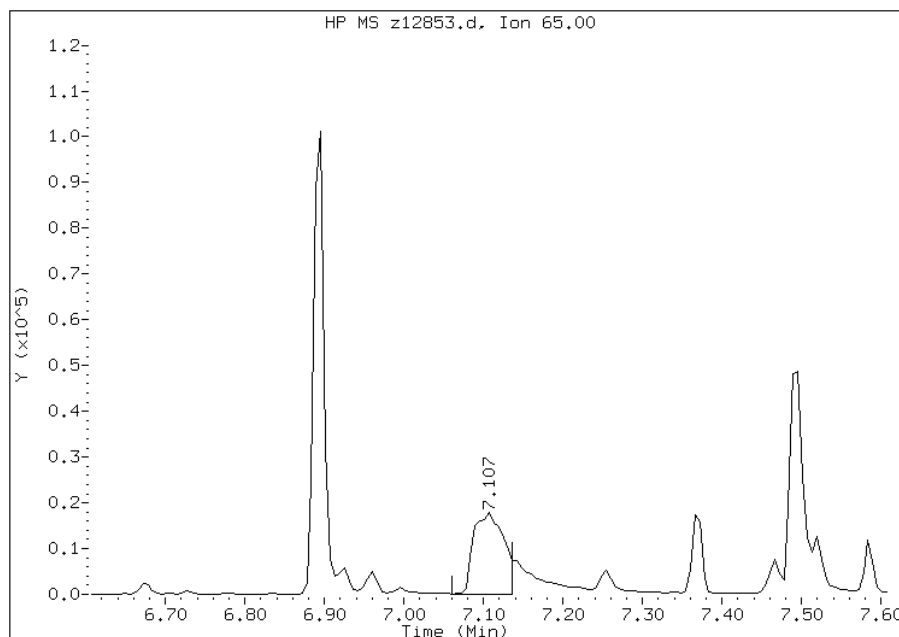
Processing Integration Results

RT: 7.11
Response: 57865
Amount: 15
Conc: 15



Manual Integration Results

RT: 7.11
Response: 47178
Amount: 13
Conc: 13



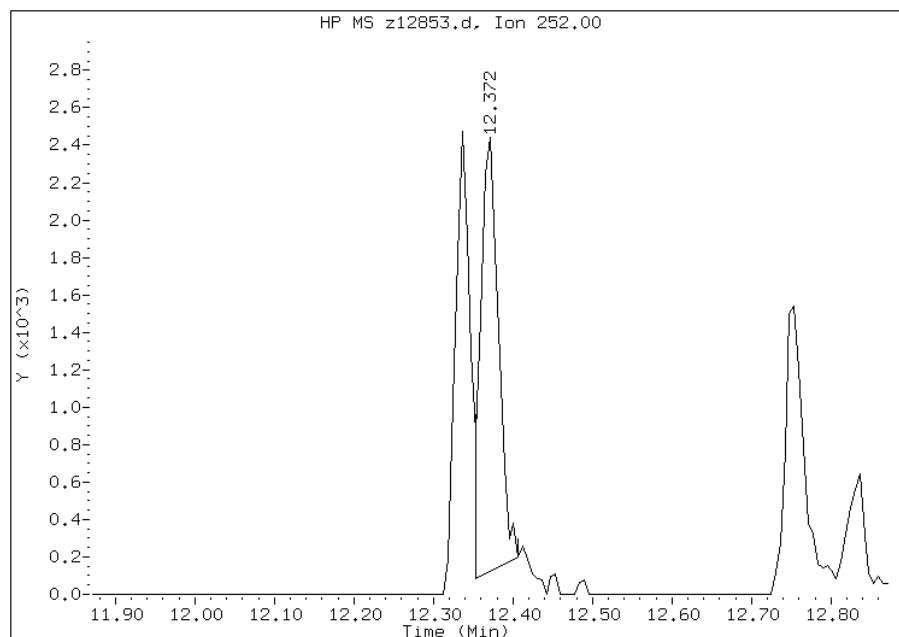
Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: z12853.d
Inj. Date and Time: 26-SEP-2012 03:37
Instrument ID: BNAMS11.i
Client ID:
Compound: 66 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 09/26/2012

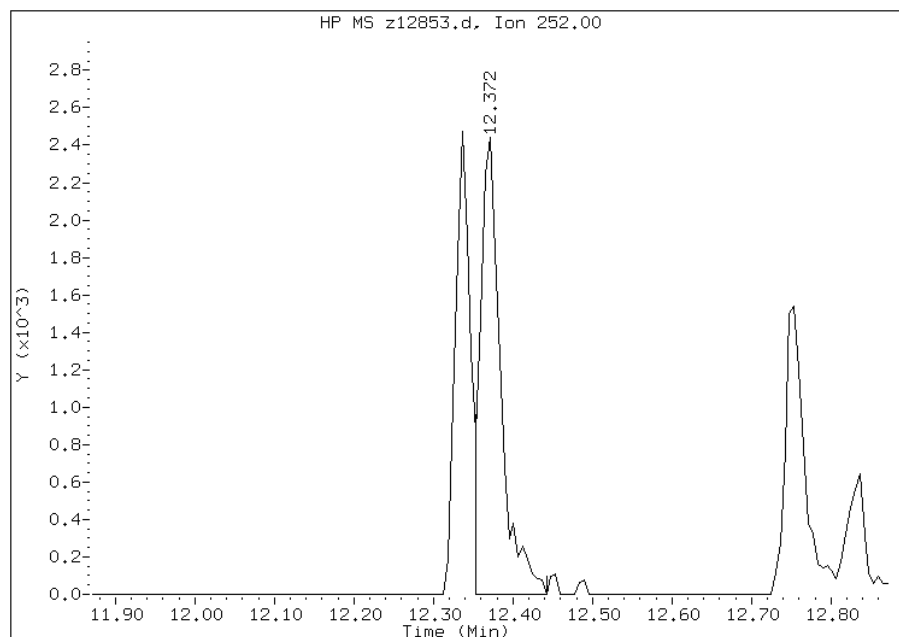
Processing Integration Results

RT: 12.37
Response: 3623
Amount: 0
Conc: 0



Manual Integration Results

RT: 12.37
Response: 4374
Amount: 1
Conc: 1



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.: 460-44765-1

SDG No.: _____

Lab Sample ID: CCV 460-129428/1 Calibration Date: 09/26/2012 09:22

Instrument ID: BNAMS11 Calib Start Date: 09/26/2012 01:38

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 09/26/2012 03:37

Lab File ID: z12865.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7387	0.6962	0.0500	47100	50000	-5.8	25.0
N-Nitrosodimethylamine	Ave	1.068	1.021	0.0500	47800	50000	-4.4	25.0
Pyridine	Ave	1.858	1.737	0.0500	46700	50000	-6.5	25.0
Benzaldehyde	Ave	0.7091	0.8015	0.0500	56500	50000	13.0	25.0
Aniline	Ave	2.150	2.184	0.0500	50800	50000	1.5	25.0
Phenol	Ave	2.183	1.988	0.0500	45500	50000	-8.9	25.0
Bis(2-chloroethyl)ether	Ave	1.831	1.631	0.0500	44600	50000	-10.9	25.0
2-Chlorophenol	Ave	1.602	1.536	0.0500	47900	50000	-4.1	25.0
n-Decane	Ave	1.846	1.688	0.0500	45700	50000	-8.6	25.0
1,3-Dichlorobenzene	Ave	1.696	1.669	0.0500	49200	50000	-1.6	25.0
1,4-Dichlorobenzene	Ave	1.695	1.642	0.0500	48400	50000	-3.1	25.0
Benzyl alcohol	Ave	0.9935	0.9380	0.0500	47200	50000	-5.6	25.0
1,2-Dichlorobenzene	Ave	1.571	1.505	0.0500	47900	50000	-4.2	25.0
2-Methylphenol	Ave	1.384	1.286	0.0500	46500	50000	-7.0	25.0
2,2'-oxybis[1-chloropropane]	Ave	2.147	1.927	0.0500	44900	50000	-10.2	25.0
Acetophenone	Ave	1.975	1.870	0.0500	47400	50000	-5.3	25.0
N-Nitrosodi-n-propylamine	Ave	1.129	1.069	0.0500	47400	50000	-5.3	25.0
3 & 4 Methylphenol	Ave	1.368	1.295	0.0500	47300	50000	-5.4	25.0
4-Methylphenol	Ave	1.368	1.295	0.0500	47300	50000	-5.4	25.0
Hexachloroethane	Ave	0.6866	0.6621	0.0500	48200	50000	-3.6	25.0
n,n'-Dimethylaniline	Ave	2.187	2.082	0.0500	47600	50000	-4.8	25.0
Nitrobenzene	Ave	0.6042	0.5700	0.0500	47200	50000	-5.7	25.0
Isophorone	Ave	0.7219	0.7176	0.0500	49700	50000	-0.6	25.0
2-Nitrophenol	Ave	0.2073	0.2075	0.0500	50100	50000	0.1	25.0
2,4-Dimethylphenol	Ave	0.3441	0.3357	0.0500	48800	50000	-2.4	25.0
Bis(2-chloroethoxy)methane	Ave	0.4587	0.4588	0.0500	50000	50000	0.0	25.0
2,4-Dichlorophenol	Ave	0.2726	0.2723	0.0500	50000	50000	-0.0	25.0
1,2,4-Trichlorobenzene	Ave	0.3024	0.2972	0.0500	49100	50000	-1.7	25.0
Naphthalene	Ave	1.140	1.115	0.0500	48900	50000	-2.2	25.0
4-Chloroaniline	Ave	0.3857	0.4039	0.0500	52300	50000	4.7	25.0
Hexachlorobutadiene	Ave	0.1522	0.1528	0.0500	50200	50000	0.4	25.0
Caprolactam	Ave	0.0703	0.0786	0.0500	55900	50000	11.9	25.0
4-Chloro-3-methylphenol	Ave	0.2897	0.2848	0.0500	49200	50000	-1.7	25.0
2-Methylnaphthalene	Ave	0.6480	0.6418	0.0500	49500	50000	-1.0	25.0
1-Methylnaphthalene	Ave	0.6686	0.6569	0.0500	49100	50000	-1.8	25.0
Hexachlorocyclopentadiene	Ave	0.3052	0.2683	0.0500	44000	50000	-12.1	25.0
2,4,6-Trichlorophenol	Ave	0.3651	0.3598	0.0500	49300	50000	-1.4	25.0
2,4,5-Trichlorophenol	Ave	0.3680	0.3639	0.0500	49400	50000	-1.1	25.0
1,1'-Biphenyl	Ave	1.642	1.611	0.0500	49100	50000	-1.9	25.0
2-Chloronaphthalene	Ave	1.219	1.181	0.0500	48400	50000	-3.1	25.0
Phenyl ether	Ave	0.8793	0.8713	0.0500	49500	50000	-0.9	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Lab Sample ID: CCV 460-129428/1 Calibration Date: 09/26/2012 09:22

Instrument ID: BNAMS11 Calib Start Date: 09/26/2012 01:38

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 09/26/2012 03:37

Lab File ID: z12865.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Nitroaniline	Ave	0.4232	0.3940	0.0500	46500	50000	-6.9	25.0
Dimethyl phthalate	Ave	1.145	1.124	0.0500	49100	50000	-1.9	25.0
Coumarin	Ave	0.1662	0.1610	0.0500	48400	50000	-3.1	25.0
2,6-Dinitrotoluene	Ave	0.2679	0.2681	0.0500	50000	50000	0.0	25.0
Acenaphthylene	Ave	1.924	1.854	0.0500	48200	50000	-3.6	25.0
3-Nitroaniline	Ave	0.2567	0.2455	0.0500	47800	50000	-4.4	25.0
Acenaphthene	Ave	1.118	1.070	0.0500	47800	50000	-4.3	25.0
2,4-Dinitrophenol	Ave	0.0924	0.1100	0.0500	59500	50000	19.1	25.0
4-Nitrophenol	Ave	0.1740	0.1652	0.0500	47500	50000	-5.0	25.0
2,4-Dinitrotoluene	Ave	0.3071	0.2880	0.0500	46900	50000	-6.2	25.0
Dibenzofuran	Ave	1.548	1.492	0.0500	48200	50000	-3.6	25.0
Diethyl phthalate	Ave	1.088	1.044	0.0500	48000	50000	-4.0	25.0
Fluorene	Ave	1.210	1.146	0.0500	47400	50000	-5.3	25.0
4-Chlorophenyl phenyl ether	Ave	0.5223	0.4949	0.0500	47400	50000	-5.2	25.0
4-Nitroaniline	Ave	0.1898	0.1724	0.0500	45400	50000	-9.2	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1162	0.1342	0.0500	57800	50000	15.5	25.0
N-Nitrosodiphenylamine	Ave	0.6779	0.6834	0.0500	50400	50000	0.8	25.0
1,2-Diphenylhydrazine	Ave	1.502	1.487	0.0500	49500	50000	-1.0	25.0
4-Bromophenyl phenyl ether	Ave	0.2326	0.2319	0.0500	49800	50000	-0.3	25.0
Hexachlorobenzene	Ave	0.2249	0.2292	0.0500	51000	50000	1.9	25.0
Atrazine	Ave	0.1932	0.1943	0.0500	50300	50000	0.5	25.0
Pentachlorophenol	Ave	0.1189	0.1258	0.0500	52900	50000	5.8	25.0
Phenanthrene	Ave	1.170	1.140	0.0500	48700	50000	-2.5	25.0
Anthracene	Ave	1.182	1.145	0.0500	48400	50000	-3.1	25.0
Carbazole	Ave	0.9249	0.8925	0.0500	48200	50000	-3.5	25.0
Di-n-butyl phthalate	Ave	1.193	1.186	0.0500	49700	50000	-0.6	25.0
Fluoranthene	Ave	0.8726	0.8531	0.0500	48900	50000	-2.2	25.0
Benzidine	Ave	0.0812	0.0638	0.0500	39300	50000	-21.4	25.0
Pyrene	Ave	2.123	2.047	0.0500	48200	50000	-3.6	25.0
Butyl benzyl phthalate	Ave	0.8537	0.8382	0.0500	49100	50000	-1.8	25.0
2,3,7,8-TCDD	Ave	0.2311	0.1338	0.0500	290	500	-42.1*	25.0
3,3'-Dichlorobenzidine	Ave	0.3295	0.3226	0.0500	49000	50000	-2.1	25.0
Benzo[a]anthracene	Ave	1.220	1.164	0.0500	47700	50000	-4.6	25.0
Chrysene	Ave	1.129	1.162	0.0500	51400	50000	2.9	25.0
Bis(2-ethylhexyl) phthalate	Ave	1.083	1.083	0.0500	50000	50000	-0.0	25.0
Di-n-octyl phthalate	Ave	1.977	1.969	0.0500	49800	50000	-0.4	25.0
Benzo[b]fluoranthene	Ave	1.204	1.199	0.0500	49800	50000	-0.4	25.0
Benzo[k]fluoranthene	Ave	1.269	1.301	0.0500	51300	50000	2.6	25.0
Benzo[a]pyrene	Ave	0.9492	0.9658	0.0500	50900	50000	1.8	25.0
Indeno[1,2,3-cd]pyrene	Ave	0.8205	0.8226	0.0500	50100	50000	0.3	25.0
Dibenz(a,h)anthracene	Ave	0.8317	0.8822	0.0500	53000	50000	6.1	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-44765-1
SDG No.: _____
Lab Sample ID: CCV 460-129428/1 Calibration Date: 09/26/2012 09:22
Instrument ID: BNAMS11 Calib Start Date: 09/26/2012 01:38
GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 09/26/2012 03:37
Lab File ID: z12865.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	0.8692	0.9231	0.0500	53100	50000	6.2	25.0
2-Fluorophenol (Surr)	Ave	1.534	1.474	0.0500	48100	50000	-3.9	25.0
Phenol-d5 (Surr)	Ave	1.917	1.805	0.0500	47100	50000	-5.8	25.0
Nitrobenzene-d5 (Surr)	Ave	0.4608	0.4556	0.0500	49400	50000	-1.1	25.0
2-Fluorobiphenyl	Ave	1.452	1.412	0.0500	48600	50000	-2.7	25.0
2,4,6-Tribromophenol (Surr)	Ave	0.1156	0.1115	0.0500	48200	50000	-3.5	25.0
Terphenyl-d14 (Surr)	Ave	1.272	1.247	0.0500	49000	50000	-2.0	25.0

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12br.b/z12865.d
 Report Date: 26-Sep-2012 13:51

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-12del/26sep12br.b/z12865.d
 Lab Smp Id: CCV-1687742
 Inj Date : 26-SEP-2012 09:22
 Operator : BNAMS 4
 Smp Info : CCV-1687742
 Misc Info : 50 ppm bna 4690
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-12del/26sep12br.b/8270Cdel_08.m
 Meth Date : 26-Sep-2012 13:51 croccom Quant Type: ISTD
 Cal Date : 26-SEP-2012 09:22 Cal File: z12865.d
 Als bottle: 19 Continuing Calibration Sample
 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	1.337	1.337	(0.344)	443817	50.0000	47
19 N-Nitrosodimethylamine		74	1.554	1.554	(0.400)	650936	50.0000	48
71 Pyridine		79	1.578	1.578	(0.406)	1107152	50.0000	47
\$ 16 2-Fluorophenol (SUR)		112	2.631	2.631	(0.676)	939611	50.0000	48
110 Benzaldehyde		77	3.448	3.448	(0.887)	510934	50.0000	56
\$ 17 Phenol-d5 (SUR)		99	3.560	3.560	(0.915)	1150702	50.0000	47
73 Aniline		93	3.566	3.566	(0.917)	1391971	50.0000	51
1 Phenol		94	3.578	3.578	(0.920)	1267443	50.0000	46
20 bis(2-Chloroethyl)ether		93	3.642	3.642	(0.936)	1039900	50.0000	44
2 2-Chlorophenol		128	3.690	3.690	(0.949)	979339	50.0000	48
113 n-decane		43	3.742	3.742	(0.962)	1075844	50.0000	46
21 1,3-Dichlorobenzene		146	3.837	3.837	(0.986)	1063872	50.0000	49
* 79 1,4-Dichlorobenzene-d4		152	3.890	3.890	(1.000)	509988	40.0000	
22 1,4-Dichlorobenzene		146	3.907	3.907	(1.005)	1046630	50.0000	48
74 Benzyl Alcohol		108	4.054	4.054	(1.042)	597957	50.0000	47

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12br.b/z12865.d
Report Date: 26-Sep-2012 13:51

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	4.060	4.060	(1.044)	959439	50.0000	48
3 2-Methylphenol	108	4.178	4.178	(1.074)	820090	50.0000	46
24 bis (2-chloroisopropyl) ether	45	4.184	4.184	(1.076)	1228632	50.0000	45
104 Acetophenone	105	4.319	4.319	(1.110)	1192262	50.0000	47
4 4-Methylphenol	108	4.342	4.342	(1.116)	825658	50.0000	47
121 3 & 4 Methylphenol	108	4.342	4.342	(1.116)	825658	50.0000	47
25 N-Nitroso-di-n-propylamine	70	4.331	4.331	(1.113)	681510	50.0000	47(MH)
26 Hexachloroethane	117	4.401	4.401	(1.132)	422070	50.0000	48
\$ 76 Nitrobenzene-d5 (SUR)	82	4.466	4.466	(0.862)	1063369	50.0000	49
27 Nitrobenzene	77	4.489	4.489	(0.866)	1330414	50.0000	47
107 N,N-Dimethylaniline	120	4.489	4.489	(1.154)	1327110	50.0000	48
28 Isophorone	82	4.731	4.731	(0.913)	1675069	50.0000	50
5 2-Nitrophenol	139	4.801	4.801	(0.926)	484402	50.0000	50
6 2,4-Dimethylphenol	122	4.872	4.872	(0.940)	783615	50.0000	49
29 bis(2-Chloroethoxy)methane	93	4.960	4.960	(0.957)	1070868	50.0000	50
7 2,4-Dichlorophenol	162	5.054	5.054	(0.975)	635656	50.0000	50
30 1,2,4-Trichlorobenzene	180	5.131	5.131	(0.990)	693799	50.0000	49
* 80 Naphthalene-d8	136	5.184	5.184	(1.000)	1867350	40.0000	
31 Naphthalene	128	5.201	5.201	(1.003)	2601920	50.0000	49
32 4-Chloroaniline	127	5.272	5.272	(1.017)	942675	50.0000	52
33 Hexachlorobutadiene	225	5.336	5.336	(1.030)	356699	50.0000	50
111 Caprolactam	113	5.672	5.672	(1.094)	183488	50.0000	56
8 4-Chloro-3-methylphenol	107	5.789	5.789	(1.117)	664838	50.0000	49
34 2-Methylnaphthalene	142	5.895	5.895	(1.137)	1497956	50.0000	50
120 1-Methylnaphthalene	142	5.995	5.995	(1.157)	1533362	50.0000	49
35 Hexachlorocyclopentadiene	237	6.066	6.066	(0.875)	269430	50.0000	44
9 2,4,6-Trichlorophenol	196	6.195	6.195	(0.894)	361338	50.0000	49
10 2,4,5-Trichlorophenol	196	6.236	6.236	(0.900)	365438	50.0000	49
\$ 77 2-Fluorobiphenyl (SUR)	172	6.272	6.272	(0.905)	1418334	50.0000	49
102 Diphenyl	154	6.372	6.372	(0.919)	1617923	50.0000	49
36 2-Chloronaphthalene	162	6.383	6.383	(0.921)	1185819	50.0000	48
103 Diphenyl Ether	170	6.472	6.472	(0.934)	874938	50.0000	50
37 2-Nitroaniline	65	6.501	6.501	(0.938)	395614	50.0000	46
38 Dimethylphthalate	163	6.689	6.689	(0.965)	1128395	50.0000	49
114 Coumarin	146	6.695	6.695	(1.292)	375773	50.0000	48
40 2,6-Dinitrotoluene	165	6.742	6.742	(0.973)	269204	50.0000	50
39 Acenaphthylene	152	6.789	6.789	(0.980)	1861893	50.0000	48
41 3-Nitroaniline	138	6.907	6.907	(0.997)	246518	50.0000	48
* 82 Acenaphthene-d10	164	6.931	6.931	(1.000)	803332	40.0000	
42 Acenaphthene	154	6.960	6.960	(1.004)	1074276	50.0000	48
11 2,4-Dinitrophenol	184	7.007	7.007	(1.011)	110461	50.0000	60
12 4-Nitrophenol	65	7.095	7.095	(1.024)	165904	50.0000	47(H)
43 Dibenzofuran	168	7.130	7.130	(1.029)	1498160	50.0000	48
44 2,4-Dinitrotoluene	165	7.130	7.130	(1.029)	289220	50.0000	47
45 Diethylphthalate	149	7.378	7.378	(1.064)	1048427	50.0000	48
47 Fluorene	166	7.466	7.466	(1.077)	1150439	50.0000	47
46 4-Chlorophenyl-phenylether	204	7.472	7.472	(1.078)	496997	50.0000	47

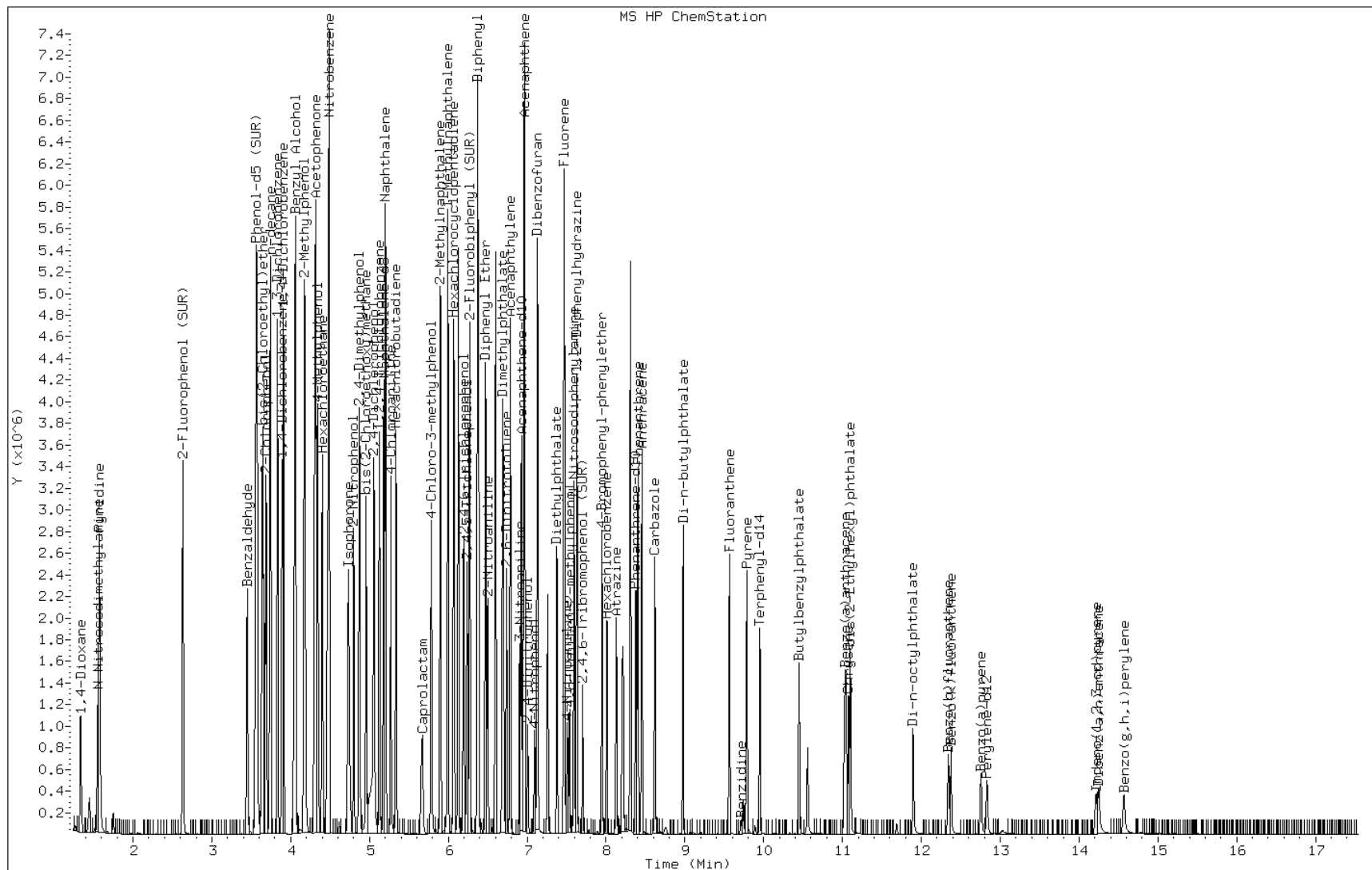
Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12br.b/z12865.d
Report Date: 26-Sep-2012 13:51

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	7.507	7.507	(1.083)	173130	50.0000	45
13 4,6-Dinitro-2-methylphenol	198	7.536	7.536	(0.899)	143002	50.0000	58
49 N-Nitrosodiphenylamine	169	7.595	7.595	(0.906)	728028	50.0000	50
75 1,2-Diphenylhydrazine	77	7.630	7.630	(0.910)	1583965	50.0000	49
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.707	7.707	(1.112)	111967	50.0000	48
50 4-Bromophenyl-phenylether	248	7.948	7.948	(0.948)	247039	50.0000	50
51 Hexachlorobenzene	284	8.013	8.013	(0.956)	244206	50.0000	51
112 Atrazine	200	8.130	8.130	(0.970)	206976	50.0000	50
14 Pentachlorophenol	266	8.207	8.207	(0.979)	134041	50.0000	53
* 83 Phenanthrene-d10	188	8.383	8.383	(1.000)	852304	40.0000	
52 Phenanthrene	178	8.407	8.407	(1.003)	1215049	50.0000	49
53 Anthracene	178	8.454	8.454	(1.008)	1219789	50.0000	48
54 Carbazole	167	8.619	8.619	(1.028)	950828	50.0000	48
55 Di-n-butylphthalate	149	8.977	8.977	(1.071)	1263558	50.0000	50
56 Fluoranthene	202	9.566	9.566	(1.141)	908896	50.0000	49
58 Benzidine	184	9.713	9.713	(1.159)	67986	50.0000	39
57 Pyrene	202	9.783	9.783	(0.886)	865798	50.0000	48
\$ 78 Terphenyl-d14	244	9.948	9.948	(0.900)	527472	50.0000	49
59 Butylbenzylphthalate	149	10.454	10.454	(0.946)	354615	50.0000	49
109 2,3,7,8-TCDD (Screen)	320	10.536	10.536	(0.954)	566	0.50000	0.29(a)
60 3,3'-Dichlorobenzidine	252	11.018	11.018	(0.997)	136472	50.0000	49
61 Benzo(a)anthracene	228	11.030	11.030	(0.998)	492270	50.0000	48
* 81 Chrysene-d12	240	11.048	11.048	(1.000)	338443	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	11.101	11.101	(1.005)	458029	50.0000	50
62 Chrysene	228	11.077	11.077	(1.003)	491443	50.0000	51
64 Di-n-octylphthalate	149	11.895	11.895	(0.927)	599870	50.0000	50
65 Benzo(b)fluoranthene	252	12.342	12.342	(0.962)	365261	50.0000	50
66 Benzo(k)fluoranthene	252	12.377	12.377	(0.965)	396465	50.0000	51
67 Benzo(a)pyrene	252	12.760	12.760	(0.994)	294240	50.0000	51
* 84 Perylene-d12	264	12.830	12.830	(1.000)	243730	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.218	14.218	(1.108)	250626	50.0000	50(M)
69 Dibenz(a,h)anthracene	278	14.248	14.248	(1.110)	268784	50.0000	53
70 Benzo(g,h,i)perylene	276	14.571	14.571	(1.136)	281232	50.0000	53

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.

Operator: BNAMS 4

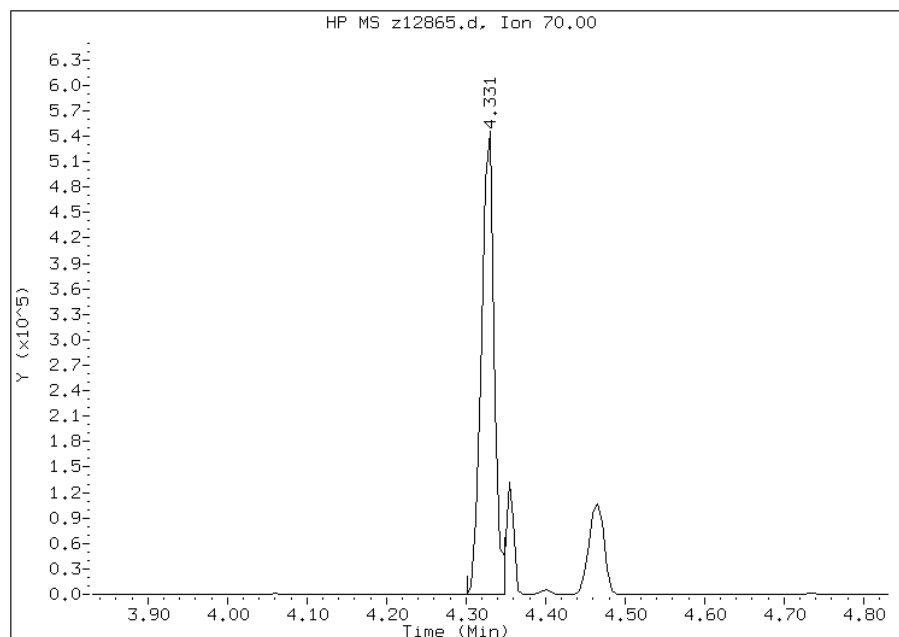


Manual Integration Report

Data File: z12865.d
Inj. Date and Time: 26-SEP-2012 09:22
Instrument ID: BNAMS11.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/26/2012

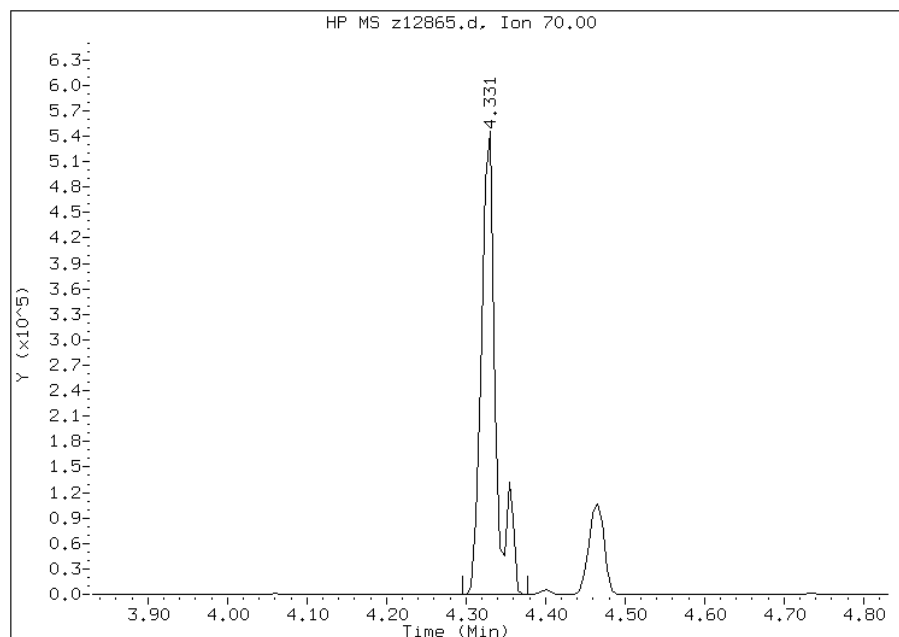
Processing Integration Results

RT: 4.33
Response: 601498
Amount: 42
Conc: 42



Manual Integration Results

RT: 4.33
Response: 681510
Amount: 47
Conc: 47



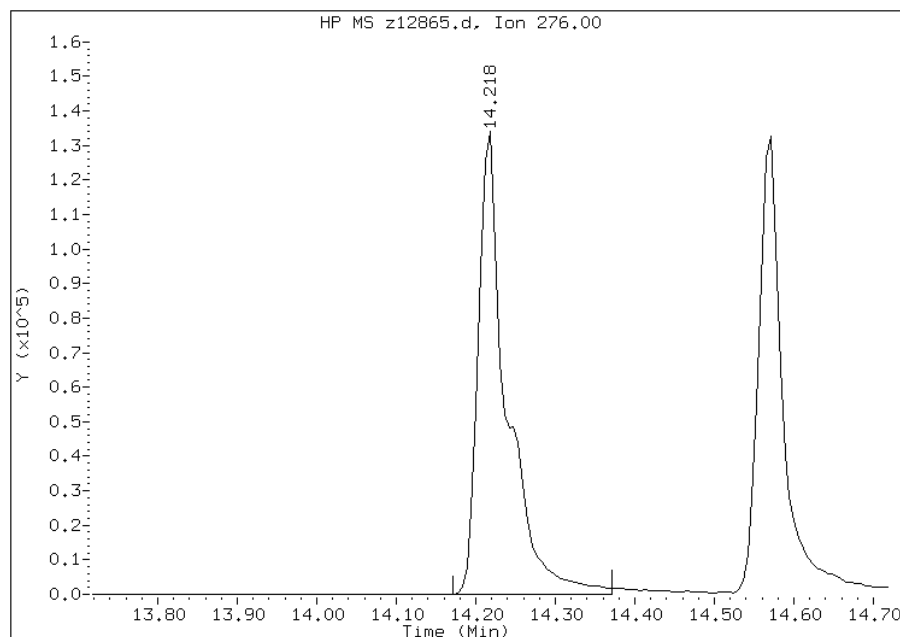
Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: z12865.d
Inj. Date and Time: 26-SEP-2012 09:22
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/26/2012

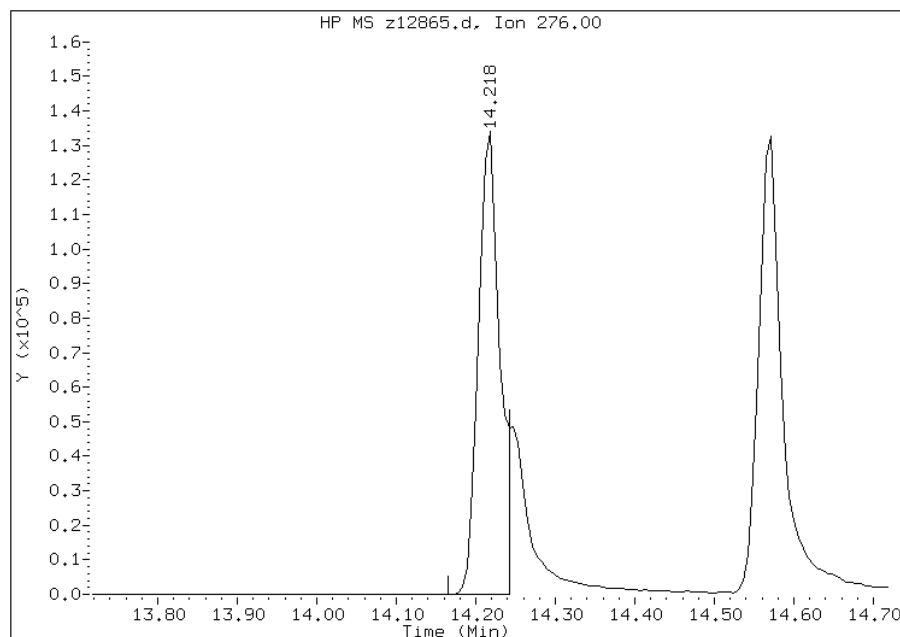
Processing Integration Results

RT: 14.22
Response: 332454
Amount: 66
Conc: 66



Manual Integration Results

RT: 14.22
Response: 250626
Amount: 50
Conc: 50



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

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12847.d
 Report Date: 26-Sep-2012 03:29

TestAmerica

Data file : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12847.d
 Lab Smp Id: DFTPP-1653831
 Inj Date : 26-SEP-2012 00:14
 Operator : BNAMS3
 Smp Info : DFTPP-1653831
 Misc Info : 25 ppm bna 4687
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/BNADFTPP.m
 Meth Date : 19-Sep-2012 01:02 asfawa
 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 #:				
5.628	5.700	-0.072	198	8152			0.00- 100.00	100.00	
5.628	5.700	-0.072	51	4180			30.00- 60.00	51.28	
5.628	5.700	-0.072	68	77			0.00- 2.00	1.79	
5.628	5.700	-0.072	69	4292			0.00- 0.00	52.65	
5.628	5.700	-0.072	70	0			0.00- 2.00	0.00	
5.628	5.700	-0.072	127	4637			40.00- 60.00	56.88	
5.628	5.700	-0.072	197	0			0.00- 1.00	0.00	
5.628	5.700	-0.072	199	647			5.00- 9.00	7.94	
5.628	5.700	-0.072	275	2013			10.00- 30.00	24.69	
5.628	5.700	-0.072	365	244			1.00- 0.00	2.99	
5.628	5.700	-0.072	441	770			0.01- 100.00	65.14	
5.628	5.700	-0.072	442	5770			40.00- 110.00	70.78	
5.628	5.700	-0.072	443	1182			17.00- 23.00	20.49	

Data File: z12847.d

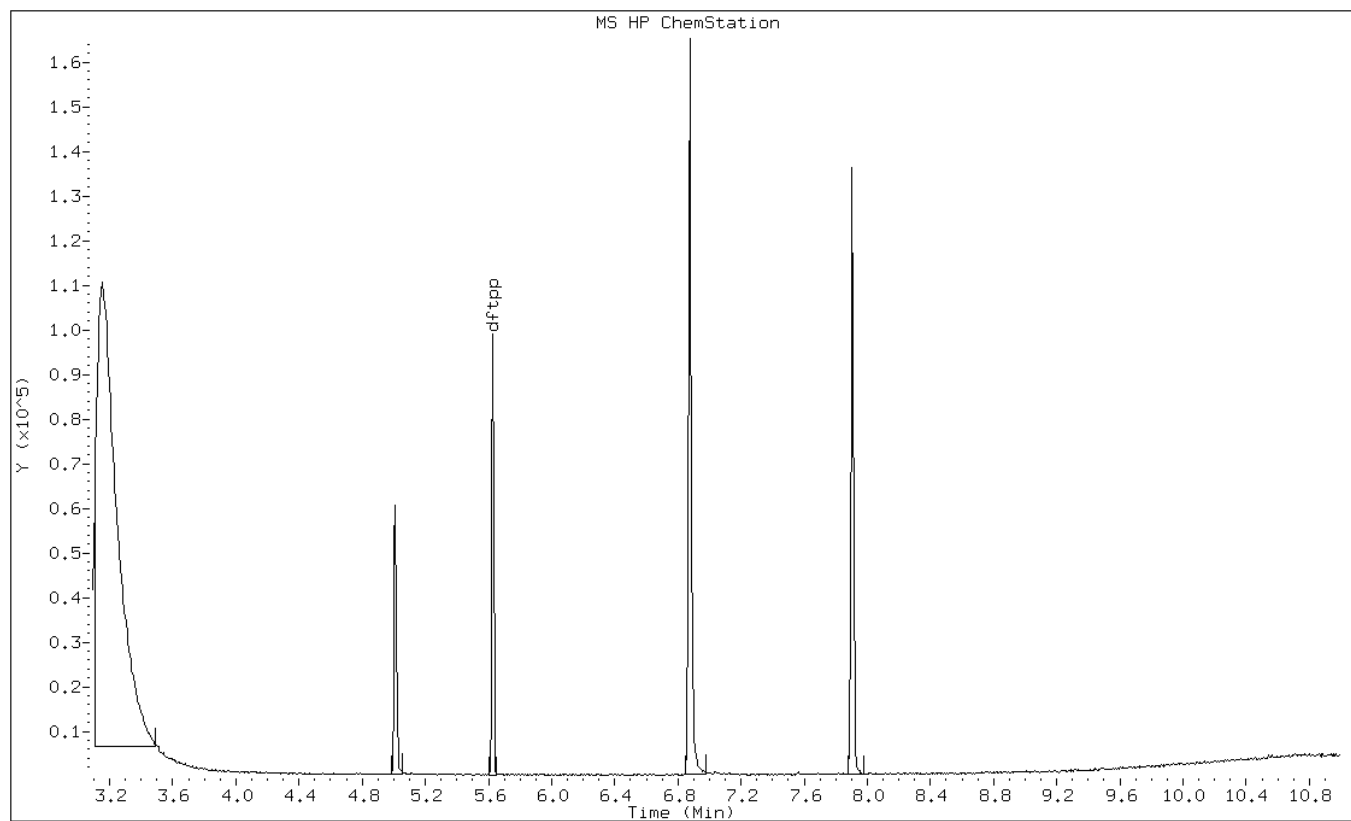
Date: 26-SEP-2012 00:14

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1653831

Operator: BNAMS3



Data File: z12847.d

Date: 26-SEP-2012 00:14

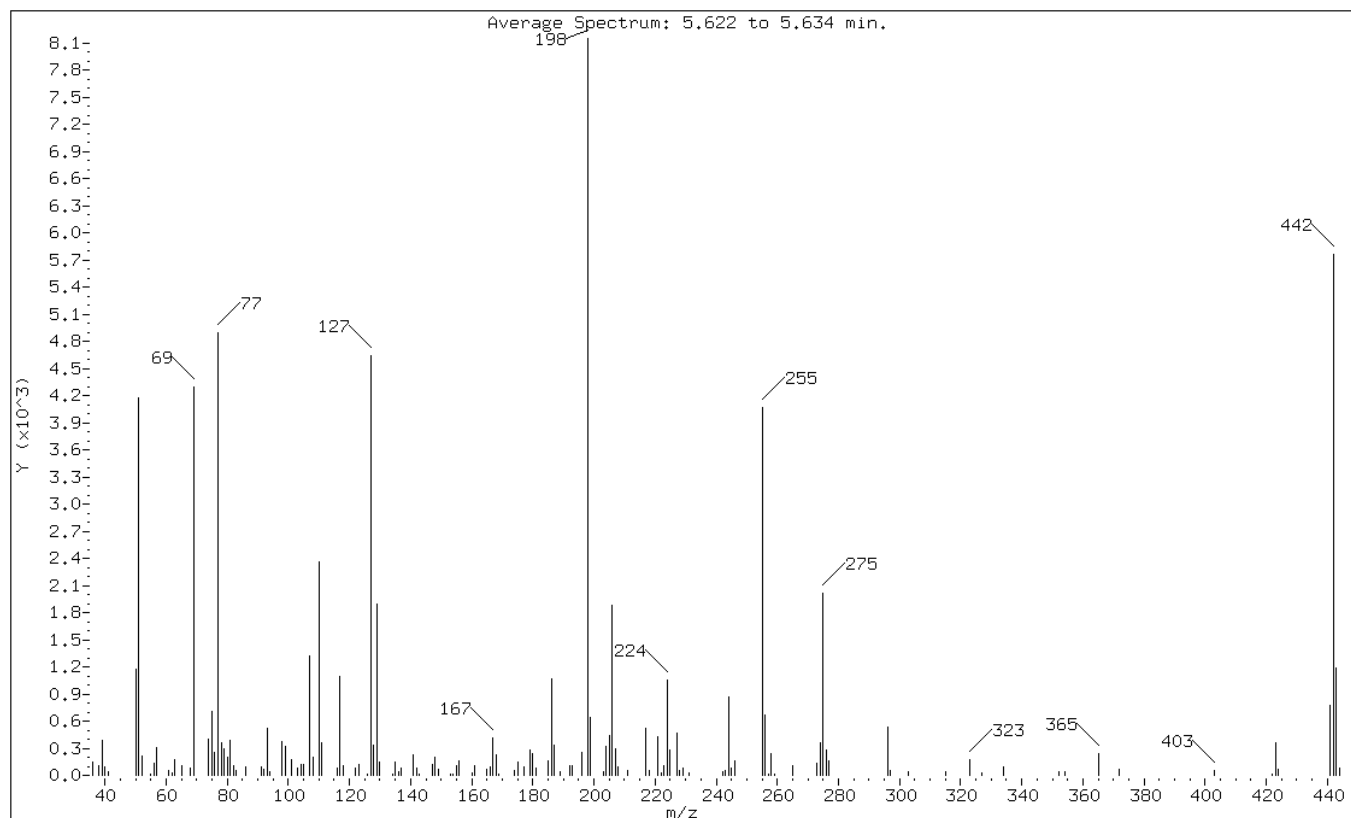
Client ID:

Instrument: BNAMS11.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	51.28
68	Less than 2.00% of mass 69	0.94 (1.79)
69	Mass 69 relative abundance	52.65
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	56.88
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.94
275	10.00 - 30.00% of mass 198	24.69
365	Greater than 1.00% of mass 198	2.99
441	0.01 - 100.00% of mass 443	9.45 (65.14)
442	40.00 - 110.00% of mass 198	70.78
443	17.00 - 23.00% of mass 442	14.50 (20.49)

Data File: z12847.d

Date: 26-SEP-2012 00:14

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1653831

Operator: BNAMS3

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12847.d
Spectrum: Average Spectrum: 5.622 to 5.634 min.
Location of Maximum: 198.00
Number of points: 141

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	142	104.00	123	169.00	18	244.00	872
38.00	113	105.00	114	174.00	51	245.00	80
39.00	389	107.00	1323	175.00	153	246.00	156
40.00	97	108.00	199	177.00	94	255.00	4069
41.00	40	110.00	2358	179.00	274	256.00	671
50.00	1180	111.00	356	180.00	235	257.00	17
51.00	4180	116.00	82	181.00	86	258.00	237
52.00	208	117.00	1098	185.00	160	259.00	17
55.00	18	118.00	101	186.00	1063	265.00	112
56.00	138	122.00	80	187.00	327	273.00	138
57.00	310	123.00	115	189.00	39	274.00	362
61.00	54	126.00	18	192.00	101	275.00	2013
62.00	29	127.00	4637	193.00	104	276.00	274
63.00	179	128.00	333	196.00	248	277.00	165
65.00	109	129.00	1900	198.00	8152	296.00	537
68.00	77	130.00	149	199.00	647	297.00	56
69.00	4292	134.00	17	203.00	42	303.00	46
74.00	402	135.00	141	204.00	322	315.00	41
75.00	709	136.00	38	205.00	446	323.00	174
76.00	248	137.00	78	206.00	1885	327.00	33
77.00	4900	141.00	225	207.00	291	334.00	93
78.00	362	142.00	86	208.00	90	352.00	42
79.00	300	143.00	17	211.00	53	354.00	46
80.00	194	147.00	120	217.00	524	365.00	244
81.00	385	148.00	200	218.00	53	372.00	68
82.00	109	149.00	69	221.00	422	403.00	53
83.00	59	153.00	19	222.00	33	422.00	17
86.00	92	154.00	19	223.00	104	423.00	363
91.00	94	155.00	113	224.00	1060	424.00	61
92.00	66	156.00	159	225.00	280	441.00	770
93.00	527	160.00	22	227.00	470	442.00	5770
94.00	45	161.00	107	228.00	53	443.00	1182
98.00	380	165.00	62	229.00	83	444.00	80
99.00	321	166.00	92	231.00	22		
101.00	170	167.00	415	242.00	42		
103.00	80	168.00	232	243.00	48		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-128629/1-A

Matrix: Water Lab File ID: z12857.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 09/20/2012 11:57

Sample wt/vol: 1000 (mL) Date Analyzed: 09/26/2012 05:23

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.: 129427 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.: 460-44765-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-128629/1-A

Matrix: Water Lab File ID: z12857.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 09/20/2012 11:57

Sample wt/vol: 1000(mL) Date Analyzed: 09/26/2012 05:23

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.: 129427 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.: 460-44765-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-128629/1-A
Matrix: Water Lab File ID: z12857.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3510C Date Extracted: 09/20/2012 11:57
Sample wt/vol: 1000 (mL) Date Analyzed: 09/26/2012 05:23
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.: 129427 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	100		46-122
321-60-8	2-Fluorobiphenyl	92		53-108
367-12-4	2-Fluorophenol (Surr)	44		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	91		56-112
4165-62-2	Phenol-d5 (Surr)	29		10-48
1718-51-0	Terphenyl-d14 (Surr)	97		50-122

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

Lab Name: TestAmerica Edison Job No.: 460-44765-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-128629/1-A
Matrix: Water Lab File ID: z12857.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3510C Date Extracted: 09/20/2012 11:57
Sample wt/vol: 1000(mL) Date Analyzed: 09/26/2012 05:23
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.: 129427 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/8270/09-26-12del/26sep12.b/z12857.d
 Report Date: 26-Sep-2012 13:57

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12857.d
 Lab Smp Id: MB 460-128629/1-A
 Inj Date : 26-SEP-2012 05:23
 Operator : BNAMS 4
 Smp Info : MB 460-128629/1-A
 Misc Info : MB 460-128629/1-A
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/8270Cdel_08.m
 Meth Date : 26-Sep-2012 13:40 croccom Quant Type: ISTD
 Cal Date : 26-SEP-2012 01:38 Cal File: z12848.d
 Als bottle: 11 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1
 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)
71 Pyridine		79	1.613	1.572 (0.415)		2882	0.11556	0.23(a)
\$ 16 2-Fluorophenol (SUR)		112	2.625	2.625 (0.676)		446835	22.1937	44
\$ 17 Phenol-d5 (SUR)		99	3.531	3.531 (0.909)		353600	14.2920	28
* 79 1,4-Dichlorobenzene-d4		152	3.884	3.884 (1.000)		529485	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)		82	4.454	4.449 (0.861)		1090805	45.3559	91
* 80 Naphthalene-d8		136	5.172	5.172 (1.000)		2057211	40.0000	
31 Naphthalene		128	5.190	5.196 (1.003)		12374	0.21366	0.43(a)
34 2-Methylnaphthalene		142	5.890	5.890 (1.139)		3429	0.10506	0.21(a)
\$ 77 2-Fluorobiphenyl (SUR)		172	6.272	6.266 (0.906)		1573131	46.1092	92
* 82 Acenaphthene-d10		164	6.925	6.925 (1.000)		978997	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)		330	7.701	7.695 (1.112)		135388	50.1840	100
* 83 Phenanthrene-d10		188	8.378	8.378 (1.000)		1220020	40.0000	
\$ 78 Terphenyl-d14		244	9.954	9.948 (0.901)		717684	48.3601	97
* 81 Chrysene-d12		240	11.042	11.042 (1.000)		482434	40.0000	
* 84 Perylene-d12		264	12.830	12.830 (1.000)		288250	40.0000	

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12857.d
Report Date: 26-Sep-2012 13:57

QC Flag Legend

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

Data File: z12857.d

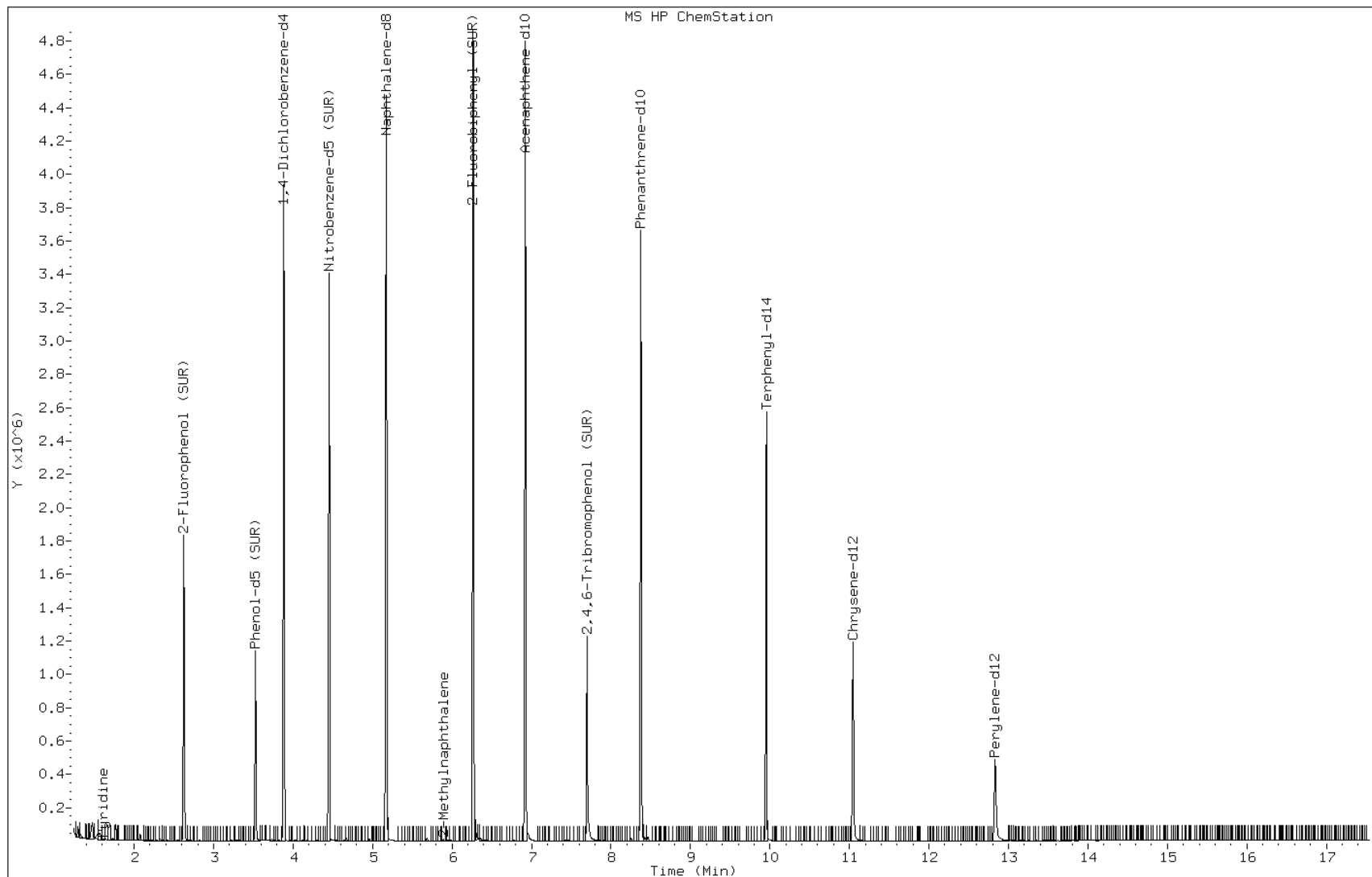
Date: 26-SEP-2012 05:23

Client ID:

Instrument: BNAMS11.i

Sample Info: MB 460-128629/1-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-128629/2-A

Matrix: Water Lab File ID: z12858.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 09/20/2012 11:57

Sample wt/vol: 1000 (mL) Date Analyzed: 09/26/2012 06:35

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.: 129427 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	82.5		10	2.8
108-95-2	Phenol	30.5		10	0.81
88-06-2	2,4,6-Trichlorophenol	84.5		10	2.4
111-44-4	Bis(2-chloroethyl) ether	80.5		1.0	0.28
120-83-2	2,4-Dichlorophenol	83.5		10	2.6
95-57-8	2-Chlorophenol	77.5		10	2.2
121-14-2	2,4-Dinitrotoluene	80.2		2.0	0.47
108-60-1	2,2'-oxybis[1-chloropropane]	83.1		10	2.0
98-86-2	Acetophenone	80.7		10	2.7
91-57-6	2-Methylnaphthalene	81.5		10	3.0
106-44-5	4-Methylphenol	58.5		10	1.6
95-48-7	2-Methylphenol	64.9		10	1.8
88-74-4	2-Nitroaniline	78.0		20	4.9
67-72-1	Hexachloroethane	77.5		1.0	0.25
98-95-3	Nitrobenzene	77.9		1.0	0.30
59-50-7	4-Chloro-3-methylphenol	78.1		10	2.5
78-59-1	Isophorone	76.5		10	2.7
88-75-5	2-Nitrophenol	80.7		10	2.4
7005-72-3	4-Chlorophenyl phenyl ether	83.4		10	2.5
105-67-9	2,4-Dimethylphenol	76.9		10	3.4
100-01-6	4-Nitroaniline	99.7		20	5.8
100-02-7	4-Nitrophenol	17.9	J	30	6.7
111-91-1	Bis(2-chloroethoxy)methane	82.2		10	2.6
1912-24-9	Atrazine	66.0		10	3.0
91-20-3	Naphthalene	80.4		10	2.7
100-52-7	Benzaldehyde	120		10	2.0
106-47-8	4-Chloroaniline	86.7		10	2.0
50-32-8	Benzo[a]pyrene	77.4		1.0	0.14
87-68-3	Hexachlorobutadiene	79.7		2.0	0.57
207-08-9	Benzo[k]fluoranthene	84.2		1.0	0.26
105-60-2	Caprolactam	20.3		10	2.5
86-74-8	Carbazole	81.5		10	3.2
77-47-4	Hexachlorocyclopentadiene	69.4		10	1.7
53-70-3	Dibenz(a,h)anthracene	78.6		1.0	0.090

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-128629/2-A

Matrix: Water Lab File ID: z12858.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 09/20/2012 11:57

Sample wt/vol: 1000(mL) Date Analyzed: 09/26/2012 06:35

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.: 129427 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	85.7		10	2.6
131-11-3	Dimethyl phthalate	84.4		10	2.8
91-58-7	2-Chloronaphthalene	82.6		10	2.7
206-44-0	Fluoranthene	83.1		10	3.2
86-73-7	Fluorene	80.6		10	2.8
606-20-2	2,6-Dinitrotoluene	83.1		2.0	0.61
208-96-8	Acenaphthylene	81.0		10	2.7
99-09-2	3-Nitroaniline	93.2		20	5.0
621-64-7	N-Nitrosodi-n-propylamine	77.1		1.0	0.25
83-32-9	Acenaphthene	81.5		10	2.7
51-28-5	2,4-Dinitrophenol	85.2		30	5.4
132-64-9	Dibenzofuran	81.2		10	2.8
84-66-2	Diethyl phthalate	83.4		10	2.9
534-52-1	4,6-Dinitro-2-methylphenol	85.7		30	4.7
86-30-6	N-Nitrosodiphenylamine	85.1		10	2.9
101-55-3	4-Bromophenyl phenyl ether	85.1		10	2.5
118-74-1	Hexachlorobenzene	85.6		1.0	0.29
87-86-5	Pentachlorophenol	81.6		30	5.3
85-01-8	Phenanthrene	81.4		10	3.1
120-12-7	Anthracene	80.5		10	2.8
84-74-2	Di-n-butyl phthalate	80.8		10	2.9
129-00-0	Pyrene	79.9		10	2.9
85-68-7	Butyl benzyl phthalate	76.5		10	2.5
91-94-1	3,3'-Dichlorobenzidine	88.4		20	4.9
56-55-3	Benzo[a]anthracene	80.1		1.0	0.27
218-01-9	Chrysene	86.1		10	3.1
117-81-7	Bis(2-ethylhexyl) phthalate	73.8		10	2.0
117-84-0	Di-n-octyl phthalate	69.0		10	1.5
205-99-2	Benzo[b]fluoranthene	76.2		1.0	0.26
193-39-5	Indeno[1,2,3-cd]pyrene	69.8		1.0	0.15
191-24-2	Benzo[g,h,i]perylene	80.2		10	2.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 460-128629/2-A
Matrix: Water Lab File ID: z12858.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3510C Date Extracted: 09/20/2012 11:57
Sample wt/vol: 1000(mL) Date Analyzed: 09/26/2012 06:35
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.: 129427 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	84		46-122
321-60-8	2-Fluorobiphenyl	81		53-108
367-12-4	2-Fluorophenol (Surr)	39		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	76		56-112
4165-62-2	Phenol-d5 (Surr)	25		10-48
1718-51-0	Terphenyl-d14 (Surr)	78		50-122

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12858.d
 Report Date: 26-Sep-2012 13:59

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12858.d
 Lab Smp Id: LCS 460-128629/2-A
 Inj Date : 26-SEP-2012 06:35
 Operator : BNAMS 4
 Smp Info : LCS 460-128629/2-A
 Misc Info : LCS 460-128629/2-A
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/8270Cdel_08.m
 Meth Date : 26-Sep-2012 13:40 croccom Quant Type: ISTD
 Cal Date : 26-SEP-2012 01:38 Cal File: z12848.d
 Als bottle: 12 QC Sample: BS
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1
 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	FINAL
	(ug/ml)	(ug/L)					
=====	=====	==	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.349	1.343	(0.347)	182144	18.7589	38
19 N-Nitrosodimethylamine	74	1.554	1.543	(0.400)	287415	20.7452	41
71 Pyridine	79	1.572	1.572	(0.404)	490019	20.8236	42
\$ 16 2-Fluorophenol (SUR)	112	2.625	2.625	(0.675)	371438	19.5516	39
110 Benzaldehyde	77	3.443	3.443	(0.885)	576994	59.8226	120
\$ 17 Phenol-d5 (SUR)	99	3.543	3.531	(0.911)	293139	12.5565	25
1 Phenol	94	3.554	3.549	(0.914)	391055	15.2480	30
73 Aniline	93	3.560	3.554	(0.915)	927208	35.0155	70
20 bis(2-Chloroethyl)ether	93	3.631	3.619	(0.933)	832838	40.2398	80
2 2-Chlorophenol	128	3.684	3.672	(0.947)	763039	38.7683	78
113 n-decane	43	3.743	3.737	(0.962)	816645	37.0806	74
21 1,3-Dichlorobenzene	146	3.831	3.825	(0.985)	825480	39.7424	79
* 79 1,4-Dichlorobenzene-d4	152	3.890	3.884	(1.000)	499619	40.0000	
22 1,4-Dichlorobenzene	146	3.907	3.901	(1.005)	831857	40.3001	81
74 Benzyl Alcohol	108	4.043	4.031	(1.039)	413544	33.3003	67

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12858.d
 Report Date: 26-Sep-2012 13:59

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	4.060	4.054	(1.044)	771621	39.9276	80
3 2-Methylphenol	108	4.172	4.160	(1.073)	548325	32.4576	65
24 bis (2-chloroisopropyl) ether	45	4.178	4.172	(1.074)	1052698	41.5252	83
4 4-Methylphenol	108	4.331	4.319	(1.113)	491331	29.2698	58
121 3 & 4 Methylphenol	108	4.331	4.319	(1.113)	491331	29.2698	58
104 Acetophenone	105	4.307	4.296	(1.107)	983139	40.3445	81
25 N-Nitroso-di-n-propylamine	70	4.319	4.301	(1.110)	543644	38.5348	77
26 Hexachloroethane	117	4.401	4.396	(1.132)	337522	38.7723	78
\$ 76 Nitrobenzene-d5 (SUR)	82	4.460	4.449	(0.861)	831950	37.9317	76
27 Nitrobenzene	77	4.484	4.466	(0.866)	1102956	38.9550	78
107 N,N-Dimethylaniline	120	4.484	4.472	(1.153)	1055183	38.6018	77
28 Isophorone	82	4.725	4.713	(0.913)	1295751	38.2728	76
5 2-Nitrophenol	139	4.801	4.796	(0.927)	389982	40.3358	81
6 2,4-Dimethylphenol	122	4.866	4.860	(0.940)	607494	38.4605	77
29 bis(2-Chloroethoxy)methane	93	4.954	4.948	(0.957)	875588	41.0791	82
7 2,4-Dichlorophenol	162	5.054	5.043	(0.976)	520201	41.7311	83
30 1,2,4-Trichlorobenzene	180	5.125	5.119	(0.990)	562651	41.5437	83
* 80 Naphthalene-d8	136	5.178	5.172	(1.000)	1876123	40.0000	
31 Naphthalene	128	5.201	5.196	(1.005)	2124282	40.2207	80
32 4-Chloroaniline	127	5.266	5.260	(1.017)	784140	43.3609	87
33 Hexachlorobutadiene	225	5.337	5.331	(1.031)	282581	39.8528	80
111 Caprolactam	113	5.631	5.590	(1.087)	32496	10.1587	20
8 4-Chloro-3-methylphenol	107	5.778	5.772	(1.116)	532848	39.0341	78
34 2-Methylnaphthalene	142	5.895	5.890	(1.139)	1212566	40.7359	81
120 1-Methylnaphthalene	142	5.995	5.990	(1.158)	1123834	36.4990	73
35 Hexachlorocyclopentadiene	237	6.066	6.060	(0.875)	220765	34.7003	69
9 2,4,6-Trichlorophenol	196	6.189	6.184	(0.893)	303339	42.2291	84
10 2,4,5-Trichlorophenol	196	6.225	6.219	(0.898)	306867	42.8737	86
\$ 77 2-Fluorobiphenyl (SUR)	172	6.272	6.266	(0.905)	1149201	40.6486	81
102 Diphenyl	154	6.366	6.360	(0.919)	1351108	41.2323	82
36 2-Chloronaphthalene	162	6.378	6.372	(0.920)	997275	41.3197	83
103 Diphenyl Ether	170	6.472	6.466	(0.934)	724785	41.6254	83
37 2-Nitroaniline	65	6.495	6.484	(0.937)	349541	39.0063	78
38 Dimethylphthalate	163	6.684	6.672	(0.964)	961981	42.1953	84
40 2,6-Dinitrotoluene	165	6.742	6.725	(0.973)	225208	41.5714	83
39 Acenaphthylene	152	6.784	6.778	(0.979)	1549974	40.5249	81
41 3-Nitroaniline	138	6.901	6.895	(0.996)	232847	46.5961	93
* 82 Acenaphthene-d10	164	6.931	6.925	(1.000)	811250	40.0000	
42 Acenaphthene	154	6.960	6.954	(1.004)	922267	40.7517	82
11 2,4-Dinitrophenol	184	7.001	6.995	(1.010)	82737	42.5969	85
12 4-Nitrophenol	65	7.095	7.107	(1.024)	33203	8.95730	18(a)
44 2,4-Dinitrotoluene	165	7.131	7.119	(1.029)	241800	40.0813	80
43 Dibenzofuran	168	7.131	7.125	(1.029)	1252412	40.6088	81
45 Diethylphthalate	149	7.378	7.372	(1.064)	893261	41.6961	83
46 4-Chlorophenyl-phenylether	204	7.472	7.466	(1.078)	425458	41.7029	83
47 Fluorene	166	7.466	7.460	(1.077)	963675	40.2777	80
48 4-Nitroaniline	138	7.507	7.495	(1.083)	170448	49.8629	100

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12858.d
 Report Date: 26-Sep-2012 13:59

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	7.531	7.519	(0.899)	113255	42.8711	86
49 N-Nitrosodiphenylamine	169	7.595	7.584	(0.907)	623926	42.5663	85
75 1,2-Diphenylhydrazine	77	7.631	7.619	(0.911)	1125074	33.0255	66
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.707	7.695	(1.112)	94132	42.1065	84
50 4-Bromophenyl-phenylether	248	7.948	7.942	(0.949)	209710	42.5262	85
51 Hexachlorobenzene	284	8.007	8.001	(0.956)	203719	42.8191	86
112 Atrazine	200	8.131	8.119	(0.970)	141425	33.0119	66
14 Pentachlorophenol	266	8.207	8.201	(0.980)	106869	40.7912	82
* 83 Phenanthrene-d10	188	8.378	8.378	(1.000)	877750	40.0000	
52 Phenanthrene	178	8.401	8.395	(1.003)	1039480	40.6896	81
53 Anthracene	178	8.454	8.448	(1.009)	1037310	40.2308	80
54 Carbazole	167	8.619	8.613	(1.029)	815883	40.7283	81
55 Di-n-butylphthalate	149	8.978	8.972	(1.072)	1067236	40.3789	81
56 Fluoranthene	202	9.566	9.560	(1.142)	775473	41.5389	83
58 Benzidine	184	9.707	9.713	(1.159)	76634	42.2350	84
57 Pyrene	202	9.783	9.778	(0.886)	751102	39.9629	80
\$ 78 Terphenyl-d14	244	9.948	9.948	(0.900)	432793	38.7930	78
59 Butylbenzylphthalate	149	10.448	10.448	(0.946)	307558	38.2355	76
60 3,3'-Dichlorobenzidine	252	11.019	11.025	(0.997)	137016	44.1946	88
61 Benzo(a)anthracene	228	11.030	11.030	(0.998)	433637	40.0450	80
* 81 Chrysene-d12	240	11.048	11.042	(1.000)	362676	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	11.101	11.095	(1.005)	386693	36.8878	74
62 Chrysene	228	11.077	11.066	(1.003)	434355	43.0396	86
64 Di-n-octylphthalate	149	11.895	11.895	(0.927)	516921	34.5004	69
65 Benzo(b)fluoranthene	252	12.342	12.336	(0.962)	322217	38.0996	76
66 Benzo(k)fluoranthene	252	12.377	12.372	(0.965)	352249	42.0991	84
67 Benzo(a)pyrene	252	12.754	12.754	(0.994)	265520	38.6977	77
* 84 Perylene-d12	264	12.830	12.830	(1.000)	275653	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.218	14.224	(1.108)	224991	34.8934	70
69 Dibenz(a,h)anthracene	278	14.248	14.260	(1.110)	245140	39.2926	78
70 Benzo(g,h,i)perylene	276	14.565	14.566	(1.135)	251087	40.1023	80

QC Flag Legend

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 460-128629/3-A

Matrix: Water Lab File ID: z12859.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 09/20/2012 11:57

Sample wt/vol: 1000 (mL) Date Analyzed: 09/26/2012 06:59

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.: 129427 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	86.3		10	2.8
108-95-2	Phenol	31.2		10	0.81
88-06-2	2,4,6-Trichlorophenol	90.4		10	2.4
111-44-4	Bis(2-chloroethyl) ether	84.7		1.0	0.28
120-83-2	2,4-Dichlorophenol	89.7		10	2.6
95-57-8	2-Chlorophenol	80.8		10	2.2
121-14-2	2,4-Dinitrotoluene	84.9		2.0	0.47
108-60-1	2,2'-oxybis[1-chloropropane]	85.1		10	2.0
98-86-2	Acetophenone	85.9		10	2.7
91-57-6	2-Methylnaphthalene	85.4		10	3.0
106-44-5	4-Methylphenol	60.4		10	1.6
95-48-7	2-Methylphenol	66.6		10	1.8
88-74-4	2-Nitroaniline	82.3		20	4.9
67-72-1	Hexachloroethane	78.2		1.0	0.25
98-95-3	Nitrobenzene	80.0		1.0	0.30
59-50-7	4-Chloro-3-methylphenol	81.0		10	2.5
78-59-1	Isophorone	77.2		10	2.7
88-75-5	2-Nitrophenol	87.0		10	2.4
7005-72-3	4-Chlorophenyl phenyl ether	86.7		10	2.5
105-67-9	2,4-Dimethylphenol	80.7		10	3.4
100-01-6	4-Nitroaniline	102		20	5.8
100-02-7	4-Nitrophenol	19.6	J	30	6.7
111-91-1	Bis(2-chloroethoxy)methane	86.9		10	2.6
1912-24-9	Atrazine	61.9		10	3.0
91-20-3	Naphthalene	83.5		10	2.7
100-52-7	Benzaldehyde	132		10	2.0
106-47-8	4-Chloroaniline	85.2		10	2.0
50-32-8	Benzo[a]pyrene	81.8		1.0	0.14
87-68-3	Hexachlorobutadiene	80.5		2.0	0.57
207-08-9	Benzo[k]fluoranthene	88.2		1.0	0.26
105-60-2	Caprolactam	21.7		10	2.5
86-74-8	Carbazole	85.2		10	3.2
77-47-4	Hexachlorocyclopentadiene	70.1		10	1.7
53-70-3	Dibenz(a,h)anthracene	82.1		1.0	0.090

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 460-128629/3-A

Matrix: Water Lab File ID: z12859.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 09/20/2012 11:57

Sample wt/vol: 1000 (mL) Date Analyzed: 09/26/2012 06:59

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.: 129427 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	90.1		10	2.6
131-11-3	Dimethyl phthalate	89.8		10	2.8
91-58-7	2-Chloronaphthalene	85.2		10	2.7
206-44-0	Fluoranthene	86.4		10	3.2
86-73-7	Fluorene	85.6		10	2.8
606-20-2	2,6-Dinitrotoluene	87.3		2.0	0.61
208-96-8	Acenaphthylene	85.1		10	2.7
99-09-2	3-Nitroaniline	97.3		20	5.0
621-64-7	N-Nitrosodi-n-propylamine	80.2		1.0	0.25
83-32-9	Acenaphthene	85.7		10	2.7
51-28-5	2,4-Dinitrophenol	94.8		30	5.4
132-64-9	Dibenzofuran	85.2		10	2.8
84-66-2	Diethyl phthalate	87.1		10	2.9
534-52-1	4,6-Dinitro-2-methylphenol	93.0		30	4.7
86-30-6	N-Nitrosodiphenylamine	92.2		10	2.9
101-55-3	4-Bromophenyl phenyl ether	87.6		10	2.5
118-74-1	Hexachlorobenzene	88.1		1.0	0.29
87-86-5	Pentachlorophenol	85.0		30	5.3
85-01-8	Phenanthrene	84.6		10	3.1
120-12-7	Anthracene	82.8		10	2.8
84-74-2	Di-n-butyl phthalate	84.2		10	2.9
129-00-0	Pyrene	83.4		10	2.9
85-68-7	Butyl benzyl phthalate	81.7		10	2.5
91-94-1	3,3'-Dichlorobenzidine	94.3		20	4.9
56-55-3	Benzo[a]anthracene	82.8		1.0	0.27
218-01-9	Chrysene	88.9		10	3.1
117-81-7	Bis(2-ethylhexyl) phthalate	77.7		10	2.0
117-84-0	Di-n-octyl phthalate	72.7		10	1.5
205-99-2	Benzo[b]fluoranthene	76.7		1.0	0.26
193-39-5	Indeno[1,2,3-cd]pyrene	74.1		1.0	0.15
191-24-2	Benzo[g,h,i]perylene	84.3		10	2.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCSD 460-128629/3-A
Matrix: Water Lab File ID: z12859.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3510C Date Extracted: 09/20/2012 11:57
Sample wt/vol: 1000 (mL) Date Analyzed: 09/26/2012 06:59
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.: 129427 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	85		53-108
367-12-4	2-Fluorophenol (Surr)	42		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	81		56-112
4165-62-2	Phenol-d5 (Surr)	26		10-48
1718-51-0	Terphenyl-d14 (Surr)	82		50-122

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12859.d
 Report Date: 26-Sep-2012 14:00

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12859.d
 Lab Smp Id: LCSD 460-128629/3-A
 Inj Date : 26-SEP-2012 06:59
 Operator : BNAMS 4 Inst ID: BNAMS11.i
 Smp Info : LCSD 460-128629/3-A
 Misc Info : LCSD 460-128629/3-A
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/8270Cdel_08.m
 Meth Date : 26-Sep-2012 13:40 croccom Quant Type: ISTD
 Cal Date : 26-SEP-2012 01:38 Cal File: z12848.d
 Als bottle: 13 QC Sample: BSD
 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	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	FINAL
							(ug/ml)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====	
106 1,4-Dioxane	88	1.349	1.343	(0.347)	213499	19.9760	40	
19 N-Nitrosodimethylamine	74	1.554	1.543	(0.400)	319741	20.9665	42	
71 Pyridine	79	1.578	1.572	(0.406)	541579	20.9086	42	
\$ 16 2-Fluorophenol (SUR)	112	2.625	2.625	(0.675)	436488	20.8731	42	
110 Benzaldehyde	77	3.448	3.443	(0.887)	700604	65.9911	130	
\$ 17 Phenol-d5 (SUR)	99	3.542	3.531	(0.911)	337513	13.1342	26	
1 Phenol	94	3.554	3.549	(0.914)	440469	15.6030	31	
73 Aniline	93	3.560	3.554	(0.915)	937407	32.1611	64	
20 bis(2-Chloroethyl)ether	93	3.631	3.619	(0.933)	964955	42.3566	85	
2 2-Chlorophenol	128	3.684	3.672	(0.947)	875184	40.3969	81	
113 n-decane	43	3.742	3.737	(0.962)	881604	36.3669	73	
21 1,3-Dichlorobenzene	146	3.831	3.825	(0.985)	941554	41.1824	82	
* 79 1,4-Dichlorobenzene-d4	152	3.890	3.884	(1.000)	549946	40.0000		
22 1,4-Dichlorobenzene	146	3.907	3.901	(1.005)	931385	40.9926	82	
74 Benzyl Alcohol	108	4.042	4.031	(1.039)	467928	34.2314	68	

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12859.d
 Report Date: 26-Sep-2012 14:00

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	4.060	4.054	(1.044)	880187	41.3774	83
3 2-Methylphenol	108	4.172	4.160	(1.073)	619345	33.3065	67
24 bis (2-chloroisopropyl) ether	45	4.178	4.172	(1.074)	1187729	42.5642	85
4 4-Methylphenol	108	4.337	4.319	(1.115)	557580	30.1767	60
121 3 & 4 Methylphenol	108	4.337	4.319	(1.115)	557580	30.1767	60
104 Acetophenone	105	4.313	4.296	(1.109)	1152058	42.9499	86
25 N-Nitroso-di-n-propylamine	70	4.325	4.301	(1.112)	622349	40.0767	80
26 Hexachloroethane	117	4.401	4.396	(1.132)	374716	39.1058	78
\$ 76 Nitrobenzene-d5 (SUR)	82	4.460	4.449	(0.860)	963224	40.3898	81
27 Nitrobenzene	77	4.484	4.466	(0.865)	1231141	39.9901	80
107 N,N-Dimethylaniline	120	4.489	4.472	(1.154)	1119174	37.1960	74
28 Isophorone	82	4.731	4.713	(0.913)	1420199	38.5795	77
5 2-Nitrophenol	139	4.801	4.796	(0.926)	457235	43.4935	87
6 2,4-Dimethylphenol	122	4.872	4.860	(0.940)	692611	40.3276	81
29 bis(2-Chloroethoxy)methane	93	4.960	4.948	(0.957)	1006834	43.4428	87
7 2,4-Dichlorophenol	162	5.054	5.043	(0.975)	607848	44.8460	90
30 1,2,4-Trichlorobenzene	180	5.131	5.119	(0.990)	638364	43.3485	87
* 80 Naphthalene-d8	136	5.184	5.172	(1.000)	2039961	40.0000	
31 Naphthalene	128	5.201	5.196	(1.003)	2396600	41.7323	83
32 4-Chloroaniline	127	5.272	5.260	(1.017)	837909	42.6129	85
33 Hexachlorobutadiene	225	5.336	5.331	(1.030)	310278	40.2445	80
111 Caprolactam	113	5.636	5.590	(1.087)	37821	10.8738	22
8 4-Chloro-3-methylphenol	107	5.778	5.772	(1.115)	600900	40.4839	81
34 2-Methylnaphthalene	142	5.895	5.890	(1.137)	1382634	42.7188	85
120 1-Methylnaphthalene	142	5.995	5.990	(1.157)	1263939	37.7524	76
35 Hexachlorocyclopentadiene	237	6.066	6.060	(0.875)	240603	35.0393	70
9 2,4,6-Trichlorophenol	196	6.189	6.184	(0.893)	350454	45.2028	90
10 2,4,5-Trichlorophenol	196	6.225	6.219	(0.898)	347982	45.0452	90
\$ 77 2-Fluorobiphenyl (SUR)	172	6.272	6.266	(0.905)	1294573	42.4254	85
102 Diphenyl	154	6.366	6.360	(0.919)	1525881	43.1438	86
36 2-Chloronaphthalene	162	6.383	6.372	(0.921)	1109996	42.6103	85
103 Diphenyl Ether	170	6.472	6.466	(0.934)	823027	43.7939	88
37 2-Nitroaniline	65	6.495	6.484	(0.937)	397907	41.1405	82
38 Dimethylphthalate	163	6.683	6.672	(0.964)	1104797	44.8983	90
40 2,6-Dinitrotoluene	165	6.742	6.725	(0.973)	255337	43.6691	87
39 Acenaphthylene	152	6.783	6.778	(0.979)	1756777	42.5564	85
41 3-Nitroaniline	138	6.907	6.895	(0.997)	262278	48.6285	97
* 82 Acenaphthene-d10	164	6.931	6.925	(1.000)	875597	40.0000	
42 Acenaphthene	154	6.960	6.954	(1.004)	1046078	42.8256	86
11 2,4-Dinitrophenol	184	7.001	6.995	(1.010)	99360	47.3959	95
12 4-Nitrophenol	65	7.095	7.107	(1.024)	39244	9.80897	20(a)
44 2,4-Dinitrotoluene	165	7.130	7.119	(1.029)	276413	42.4516	85
43 Dibenzofuran	168	7.130	7.125	(1.029)	1418210	42.6053	85
45 Diethylphthalate	149	7.378	7.372	(1.064)	1007288	43.5634	87
46 4-Chlorophenyl-phenylether	204	7.472	7.466	(1.078)	477175	43.3349	87
47 Fluorene	166	7.466	7.460	(1.077)	1105363	42.8045	86
48 4-Nitroaniline	138	7.507	7.495	(1.083)	187766	50.8924	100

Data File: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b/z12859.d
 Report Date: 26-Sep-2012 14:00

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	7.530	7.519	(0.899)	132698	46.5101	93
49 N-Nitrosodiphenylamine	169	7.595	7.584	(0.907)	729901	46.1076	92
75 1,2-Diphenylhydrazine	77	7.630	7.619	(0.911)	1260585	34.2623	68
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.707	7.695	(1.112)	106195	44.0115	88
50 4-Bromophenyl-phenylether	248	7.948	7.942	(0.949)	233346	43.8141	88
51 Hexachlorobenzene	284	8.007	8.001	(0.956)	226298	44.0416	88
112 Atrazine	200	8.130	8.119	(0.970)	143208	30.9519	62
14 Pentachlorophenol	266	8.207	8.201	(0.980)	120287	42.5118	85
* 83 Phenanthrene-d10	188	8.377	8.378	(1.000)	947971	40.0000	
52 Phenanthrene	178	8.407	8.395	(1.004)	1167209	42.3050	85
53 Anthracene	178	8.454	8.448	(1.009)	1153135	41.4101	83
54 Carbazole	167	8.619	8.613	(1.029)	921591	42.5974	85
55 Di-n-butylphthalate	149	8.977	8.972	(1.072)	1201949	42.1072	84
56 Fluoranthene	202	9.566	9.560	(1.142)	871048	43.2023	86
58 Benzidine	184	9.713	9.713	(1.159)	39008	19.9058	40
57 Pyrene	202	9.783	9.778	(0.886)	839110	41.6949	83
\$ 78 Terphenyl-d14	244	9.948	9.948	(0.900)	489488	40.9752	82
59 Butylbenzylphthalate	149	10.454	10.448	(0.946)	351889	40.8556	82
60 3,3'-Dichlorobenzidine	252	11.024	11.025	(0.998)	156521	47.1494	94
61 Benzo(a)anthracene	228	11.036	11.030	(0.999)	479775	41.3775	83
* 81 Chrysene-d12	240	11.048	11.042	(1.000)	388341	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	11.101	11.095	(1.005)	436305	38.8698	78
62 Chrysene	228	11.077	11.066	(1.003)	480470	44.4626	89
64 Di-n-octylphthalate	149	11.901	11.895	(0.927)	593285	36.3564	73
65 Benzo(b)fluoranthene	252	12.342	12.336	(0.962)	353032	38.3269	77
66 Benzo(k)fluoranthene	252	12.377	12.372	(0.964)	401939	44.1063	88
67 Benzo(a)pyrene	252	12.760	12.754	(0.994)	305650	40.9006	82
* 84 Perylene-d12	264	12.836	12.830	(1.000)	300224	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.218	14.224	(1.108)	260184	37.0490	74
69 Dibenz(a,h)anthracene	278	14.248	14.260	(1.110)	278802	41.0308	82
70 Benzo(g,h,i)perylene	276	14.571	14.566	(1.135)	287413	42.1472	84

QC Flag Legend

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

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: BNAMS11 Start Date: 09/26/2012 00:14Analysis Batch Number: 129427 End Date: 09/26/2012 08:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTTP 460-129427/1		09/26/2012 00:14	1	z12847.d	Rtx-5MS 0.25 (mm)
ICIS 460-129427/2		09/26/2012 01:38	1	z12848.d	Rtx-5MS 0.25 (mm)
IC 460-129427/3		09/26/2012 02:02	1	z12849.d	Rtx-5MS 0.25 (mm)
IC 460-129427/4		09/26/2012 02:26	1	z12850.d	Rtx-5MS 0.25 (mm)
IC 460-129427/5		09/26/2012 02:50	1	z12851.d	Rtx-5MS 0.25 (mm)
IC 460-129427/6		09/26/2012 03:37	1	z12853.d	Rtx-5MS 0.25 (mm)
MB 460-128629/1-A		09/26/2012 05:23	1	z12857.d	Rtx-5MS 0.25 (mm)
LCS 460-128629/2-A		09/26/2012 06:35	1	z12858.d	Rtx-5MS 0.25 (mm)
LCSD 460-128629/3-A		09/26/2012 06:59	1	z12859.d	Rtx-5MS 0.25 (mm)
460-44765-1	SW-17338-091712-SW5-M M-200	09/26/2012 07:23	1	z12860.d	Rtx-5MS 0.25 (mm)
460-44765-2	SW-17338-091712-SW4-M M-201	09/26/2012 07:46	1	z12861.d	Rtx-5MS 0.25 (mm)
460-44765-3	SW-17338-091712-SW3-M M-202	09/26/2012 08:10	1	z12862.d	Rtx-5MS 0.25 (mm)
460-44765-4	SW-17338-091712-SW2-M M-203	09/26/2012 08:34	1	z12863.d	Rtx-5MS 0.25 (mm)
460-44765-5	SW-17338-091712-SW1-M M-204	09/26/2012 08:58	1	z12864.d	Rtx-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: BNAMS11 Start Date: 09/26/2012 09:22Analysis Batch Number: 129428 End Date: 09/26/2012 09:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 460-129428/1		09/26/2012 09:22	1	z12865.d	Rtx-5MS 0.25 (mm)

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i
Analytical Batch: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b

Date Generated: 09/26/2012
Page 1

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inf Vol	Sublist	LOT	COMMENTS
09/26/12 0014	z12847.d	1	DETPP-1653831	—	—	0	0	1	2.0	all	Y687	129427 failing penta. → 1.187 hexa. → 1.234
09/26/12 0138	z12848.d	2	ICIS-1687742	—	—	1000	2	1	1.0	all	Y690	6
09/26/12 0202	z12849.d	3	IC-1687749	—	—	1000	2	1	1.0	all	Y690	6
09/26/12 0226	z12850.d	4	IC-1687743	—	—	1000	2	1	1.0	all	Y690	6
09/26/12 0250	z12851.d	5	IC-1687751	—	—	1000	2	1	1.0	all	Y690	6
09/26/12 0337	z12853.d	7	IC-1687753	—	—	1000	2	1	1.0	all	Y690	6
09/26/12 0401	z12854.d	8	icv	26sep12	—	1000	1	1	1.0	all	Y690	6
09/26/12 0436	z12855.d	9	LCS 460-128629/2-A	26sep12	—	1000	2	1	1.0	allh20	Y690	6
09/26/12 0459	z12856.d	10	LCSD 460-128629/3-A	460-128629	—	1000	2	1	1.0	allh20	Y690	6
09/26/12 0523	z12857.d	11	MB 460-128629/1-A	460-128629	—	1000	2	1	1.0	allh20	Y690	6
09/26/12 0635	z12858.d	12	LCS 460-128629/2-A	460-128629	—	1000	2	1	1.0	allh20	Y690	6
09/26/12 0659	z12859.d	13	LCSD 460-128629/3-A	460-128629	—	1000	2	1	1.0	allh20	Y690	6
09/26/12 0723	z12860.d	14	460-44765-B-1-A	460-128629	—	970	2	1	1.0	allh20	Y690	6
09/26/12 0746	z12861.d	15	460-44765-B-2-A	460-128629	—	980	2	1	1.0	allh20	Y690	6

TESTIMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i
Analytical Batch: /chem/BNAMS11.i/8270/09-26-12del/26sep12.b

Date Generated: 09/26/2012
Page 2

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV	PV	Dil	Inj Vol	Sublist	LOT	COMMENTS
09/26/12 0810	z12862.d	16	460-44765-A-3-A	460-128629	09/20/12	950	2	1	1.0	allh20	1	6
09/26/12 0834	z12863.d	17	460-44765-A-4-A	460-128629	09/20/12	990	2	1	1.0	allh20	1	6
09/26/12 0858	z12864.d	18	460-44765-B-5-A	460-128629	09/20/12	980	2	1	1.0	allh20	1	6
09/26/12 0922	z12865.d	19	CCVIS-1687742	26sep12	1000	2	1	1.0	all		4790	6 not clean

Signed: Theresa Little Read and Understood by: CS-89

Date: 9/26/12

Date: 9-27-12

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Batch Number: 128629 Batch Start Date: 09/20/12 11:56 Batch Analyst: Esteban, MariaBatch Method: 3510C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	OP625/82SP 00035
MB 460-128629/1		3510C, 8270C		7	1000 mL	2 mL	<2	>12	
LCS 460-128629/2		3510C, 8270C		7	1000 mL	2 mL	<2	>12	1 mL
LCSD 460-128629/3		3510C, 8270C		7	1000 mL	2 mL	<2	>12	1 mL
460-44765-B-1	SW-17338-091712-SW5-MM-200	3510C, 8270C	T	7	970 mL	2 mL	<2	>12	
460-44765-B-2	SW-17338-091712-SW4-MM-201	3510C, 8270C	T	7	980 mL	2 mL	<2	>12	
460-44765-A-3	SW-17338-091712-SW3-MM-202	3510C, 8270C	T	7	950 mL	2 mL	<2	>12	
460-44765-A-4	SW-17338-091712-SW2-MM-203	3510C, 8270C	T	7	990 mL	2 mL	<2	>12	
460-44765-B-5	SW-17338-091712-SW1-MM-204	3510C, 8270C	T	7	980 mL	2 mL	<2	>12	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP625/82SU 00032					
MB 460-128629/1		3510C, 8270C		1000 uL					
LCS 460-128629/2		3510C, 8270C		1000 uL					
LCSD 460-128629/3		3510C, 8270C		1000 uL					
460-44765-B-1	SW-17338-091712-SW5-MM-200	3510C, 8270C	T	1000 uL					
460-44765-B-2	SW-17338-091712-SW4-MM-201	3510C, 8270C	T	1000 uL					
460-44765-A-3	SW-17338-091712-SW3-MM-202	3510C, 8270C	T	1000 uL					
460-44765-A-4	SW-17338-091712-SW2-MM-203	3510C, 8270C	T	1000 uL					
460-44765-B-5	SW-17338-091712-SW1-MM-204	3510C, 8270C	T	1000 uL					

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Batch Number: 128629 Batch Start Date: 09/20/12 11:56 Batch Analyst: Esteban, MariaBatch Method: 3510C Batch End Date: _____

Batch Notes	
Acid used for pH adjustment	Sulfuric
Acid used for pH adjust Lot #	k20042
Base used for pH adjustment	NAOH
Base used for pH adjust Lot #	op 353
Batch Comment	8270 WATER
Person's name who did the concentration	maria
Final Concentrator Volume	2 mL
N-evap #	213204
N-evap temperature	25 Celsius
Prep Solvent Lot #	4764
Prep Solvent Name	MeCL2
Prep Solvent Volume Used	360 ml mL
Person's name who did the prep	maria
Person's name who witnessed reagent drop	kalpesh

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-44765-1
SDG No.: _____
Project: 17338-T04-2012, GM Wilmington

Client Sample ID	Lab Sample ID
<u>SW-17338-091712-SW5-MM-200</u>	<u>460-44765-1</u>
<u>SW-17338-091712-SW4-MM-201</u>	<u>460-44765-2</u>
<u>SW-17338-091712-SW3-MM-202</u>	<u>460-44765-3</u>
<u>SW-17338-091712-SW2-MM-203</u>	<u>460-44765-4</u>
<u>SW-17338-091712-SW1-MM-204</u>	<u>460-44765-5</u>

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SW-17338-091712-SW5-MM-200

Lab Sample ID: 460-44765-1

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

SDG ID.:

Matrix: Water

Date Sampled: 09/17/2012 09:40

Reporting Basis: WET

Date Received: 09/18/2012 18:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	72.1	200	72.1	ug/L	U		1	6010B
7440-36-0	Antimony	7.4	10.0	7.4	ug/L	U		1	6010B
7440-38-2	Arsenic	3.7	5.0	3.7	ug/L	U		1	6010B
7440-39-3	Barium	148	200	5.9	ug/L	J		1	6010B
7440-41-7	Beryllium	0.78	2.0	0.78	ug/L	U		1	6010B
7440-43-9	Cadmium	0.82	5.0	0.82	ug/L	U		1	6010B
7440-70-2	Calcium	35000	5000	305	ug/L			1	6010B
7440-47-3	Chromium	4.5	10.0	4.5	ug/L	U		1	6010B
7440-48-4	Cobalt	4.3	50.0	4.3	ug/L	U		1	6010B
7440-50-8	Copper	7.8	25.0	7.8	ug/L	U		1	6010B
7439-89-6	Iron	382	150	73.6	ug/L			1	6010B
7439-92-1	Lead	4.0	5.0	4.0	ug/L	U		1	6010B
7439-95-4	Magnesium	18000	5000	321	ug/L			1	6010B
7439-96-5	Manganese	63.6	15.0	4.3	ug/L			1	6010B
7440-02-0	Nickel	5.0	40.0	5.0	ug/L	U		1	6010B
7440-09-7	Potassium	3830	5000	525	ug/L	J		1	6010B
7782-49-2	Selenium	5.8	10.0	5.8	ug/L	U		1	6010B
7440-22-4	Silver	1.3	10.0	1.3	ug/L	U		1	6010B
7440-23-5	Sodium	42600	5000	821	ug/L			1	6010B
7440-28-0	Thallium	5.2	10.0	5.2	ug/L	U		1	6010B
7440-62-2	Vanadium	4.0	50.0	4.0	ug/L	U		1	6010B
7440-66-6	Zinc	43.5	30.0	5.8	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: SW-17338-091712-SW5-MM-200

Lab Sample ID: 460-44765-1

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

SDG ID.:

Matrix: Water

Date Sampled: 09/17/2012 09:40

Reporting Basis: WET

Date Received: 09/18/2012 18:40

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	5.0	40.0	5.0	ug/L	U		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	4.0	5.0	4.0	ug/L	U		1	6010B
7440-66-6	Zinc	32.2	30.0	5.8	ug/L			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	39700	5000	821	ug/L			1	6010B
7440-09-7	Potassium	3780	5000	525	ug/L	J		1	6010B
7440-39-3	Barium	137	200	5.9	ug/L	J		1	6010B
7440-70-2	Calcium	34800	5000	305	ug/L			1	6010B
7439-89-6	Iron	331	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	16900	5000	321	ug/L			1	6010B
7429-90-5	Aluminum	72.1	200	72.1	ug/L	U		1	6010B
7439-96-5	Manganese	53.2	15.0	4.3	ug/L			1	6010B
7440-48-4	Cobalt	4.3	50.0	4.3	ug/L	U		1	6010B
7439-97-6	Mercury	0.16	0.20	0.16	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SW-17338-091712-SW4-MM-201

Lab Sample ID: 460-44765-2

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

SDG ID.:

Matrix: Water

Date Sampled: 09/17/2012 10:50

Reporting Basis: WET

Date Received: 09/18/2012 18:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	72.1	200	72.1	ug/L	U		1	6010B
7440-36-0	Antimony	7.4	10.0	7.4	ug/L	U		1	6010B
7440-38-2	Arsenic	3.7	5.0	3.7	ug/L	U		1	6010B
7440-39-3	Barium	141	200	5.9	ug/L	J		1	6010B
7440-41-7	Beryllium	0.78	2.0	0.78	ug/L	U		1	6010B
7440-43-9	Cadmium	0.82	5.0	0.82	ug/L	U		1	6010B
7440-70-2	Calcium	32600	5000	305	ug/L			1	6010B
7440-47-3	Chromium	4.5	10.0	4.5	ug/L	U		1	6010B
7440-48-4	Cobalt	4.3	50.0	4.3	ug/L	U		1	6010B
7440-50-8	Copper	7.8	25.0	7.8	ug/L	U		1	6010B
7439-89-6	Iron	364	150	73.6	ug/L			1	6010B
7439-92-1	Lead	4.0	5.0	4.0	ug/L	U		1	6010B
7439-95-4	Magnesium	17000	5000	321	ug/L			1	6010B
7439-96-5	Manganese	55.8	15.0	4.3	ug/L			1	6010B
7440-02-0	Nickel	5.0	40.0	5.0	ug/L	U		1	6010B
7440-09-7	Potassium	3700	5000	525	ug/L	J		1	6010B
7782-49-2	Selenium	5.8	10.0	5.8	ug/L	U		1	6010B
7440-22-4	Silver	1.3	10.0	1.3	ug/L	U		1	6010B
7440-23-5	Sodium	40700	5000	821	ug/L			1	6010B
7440-28-0	Thallium	5.2	10.0	5.2	ug/L	U		1	6010B
7440-62-2	Vanadium	4.0	50.0	4.0	ug/L	U		1	6010B
7440-66-6	Zinc	40.0	30.0	5.8	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: SW-17338-091712-SW4-MM-201

Lab Sample ID: 460-44765-2

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

SDG ID.:

Matrix: Water

Date Sampled: 09/17/2012 10:50

Reporting Basis: WET

Date Received: 09/18/2012 18:40

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	5.0	40.0	5.0	ug/L	U		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	4.0	5.0	4.0	ug/L	U		1	6010B
7440-66-6	Zinc	55.8	30.0	5.8	ug/L			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	42100	5000	821	ug/L			1	6010B
7440-09-7	Potassium	3900	5000	525	ug/L	J		1	6010B
7440-39-3	Barium	145	200	5.9	ug/L	J		1	6010B
7440-70-2	Calcium	34100	5000	305	ug/L			1	6010B
7439-89-6	Iron	576	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	16900	5000	321	ug/L			1	6010B
7429-90-5	Aluminum	218	200	72.1	ug/L			1	6010B
7439-96-5	Manganese	80.1	15.0	4.3	ug/L			1	6010B
7440-48-4	Cobalt	4.3	50.0	4.3	ug/L	U		1	6010B
7439-97-6	Mercury	0.16	0.20	0.16	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SW-17338-091712-SW3-MM-202

Lab Sample ID: 460-44765-3

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

SDG ID.:

Matrix: Water

Date Sampled: 09/17/2012 11:20

Reporting Basis: WET

Date Received: 09/18/2012 18:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	72.1	200	72.1	ug/L	U		1	6010B
7440-36-0	Antimony	7.4	10.0	7.4	ug/L	U		1	6010B
7440-38-2	Arsenic	3.7	5.0	3.7	ug/L	U		1	6010B
7440-39-3	Barium	113	200	5.9	ug/L	J		1	6010B
7440-41-7	Beryllium	0.78	2.0	0.78	ug/L	U		1	6010B
7440-43-9	Cadmium	0.82	5.0	0.82	ug/L	U		1	6010B
7440-70-2	Calcium	32900	5000	305	ug/L			1	6010B
7440-47-3	Chromium	4.5	10.0	4.5	ug/L	U		1	6010B
7440-48-4	Cobalt	4.3	50.0	4.3	ug/L	U		1	6010B
7440-50-8	Copper	7.8	25.0	7.8	ug/L	U		1	6010B
7439-89-6	Iron	564	150	73.6	ug/L			1	6010B
7439-92-1	Lead	4.0	5.0	4.0	ug/L	U		1	6010B
7439-95-4	Magnesium	16200	5000	321	ug/L			1	6010B
7439-96-5	Manganese	47.4	15.0	4.3	ug/L			1	6010B
7440-02-0	Nickel	5.0	40.0	5.0	ug/L	U		1	6010B
7440-09-7	Potassium	3440	5000	525	ug/L	J		1	6010B
7782-49-2	Selenium	5.8	10.0	5.8	ug/L	U		1	6010B
7440-22-4	Silver	1.3	10.0	1.3	ug/L	U		1	6010B
7440-23-5	Sodium	30600	5000	821	ug/L			1	6010B
7440-28-0	Thallium	5.2	10.0	5.2	ug/L	U		1	6010B
7440-62-2	Vanadium	4.0	50.0	4.0	ug/L	U		1	6010B
7440-66-6	Zinc	6.9	30.0	5.8	ug/L	J		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: SW-17338-091712-SW3-MM-202

Lab Sample ID: 460-44765-3

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

SDG ID.:

Matrix: Water

Date Sampled: 09/17/2012 11:20

Reporting Basis: WET

Date Received: 09/18/2012 18:40

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	5.0	40.0	5.0	ug/L	U		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	4.0	5.0	4.0	ug/L	U		1	6010B
7440-66-6	Zinc	5.8	30.0	5.8	ug/L	U		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	30300	5000	821	ug/L			1	6010B
7440-09-7	Potassium	3580	5000	525	ug/L	J		1	6010B
7440-39-3	Barium	108	200	5.9	ug/L	J		1	6010B
7440-70-2	Calcium	32300	5000	305	ug/L			1	6010B
7439-89-6	Iron	385	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	15500	5000	321	ug/L			1	6010B
7429-90-5	Aluminum	72.1	200	72.1	ug/L	U		1	6010B
7439-96-5	Manganese	31.7	15.0	4.3	ug/L			1	6010B
7440-48-4	Cobalt	4.3	50.0	4.3	ug/L	U		1	6010B
7439-97-6	Mercury	0.16	0.20	0.16	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SW-17338-091712-SW2-MM-203

Lab Sample ID: 460-44765-4

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

SDG ID.:

Matrix: Water

Date Sampled: 09/17/2012 12:45

Reporting Basis: WET

Date Received: 09/18/2012 18:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	72.1	200	72.1	ug/L	U		1	6010B
7440-36-0	Antimony	7.4	10.0	7.4	ug/L	U		1	6010B
7440-38-2	Arsenic	3.7	5.0	3.7	ug/L	U		1	6010B
7440-39-3	Barium	113	200	5.9	ug/L	J		1	6010B
7440-41-7	Beryllium	0.78	2.0	0.78	ug/L	U		1	6010B
7440-43-9	Cadmium	0.82	5.0	0.82	ug/L	U		1	6010B
7440-70-2	Calcium	33500	5000	305	ug/L			1	6010B
7440-47-3	Chromium	4.5	10.0	4.5	ug/L	U		1	6010B
7440-48-4	Cobalt	4.3	50.0	4.3	ug/L	U		1	6010B
7440-50-8	Copper	7.8	25.0	7.8	ug/L	U		1	6010B
7439-89-6	Iron	447	150	73.6	ug/L			1	6010B
7439-92-1	Lead	4.0	5.0	4.0	ug/L	U		1	6010B
7439-95-4	Magnesium	16600	5000	321	ug/L			1	6010B
7439-96-5	Manganese	41.3	15.0	4.3	ug/L			1	6010B
7440-02-0	Nickel	5.0	40.0	5.0	ug/L	U		1	6010B
7440-09-7	Potassium	3550	5000	525	ug/L	J		1	6010B
7782-49-2	Selenium	5.8	10.0	5.8	ug/L	U		1	6010B
7440-22-4	Silver	1.3	10.0	1.3	ug/L	U		1	6010B
7440-23-5	Sodium	32500	5000	821	ug/L			1	6010B
7440-28-0	Thallium	5.2	10.0	5.2	ug/L	U		1	6010B
7440-62-2	Vanadium	4.0	50.0	4.0	ug/L	U		1	6010B
7440-66-6	Zinc	5.8	30.0	5.8	ug/L	U		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: SW-17338-091712-SW2-MM-203

Lab Sample ID: 460-44765-4

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

SDG ID.:

Matrix: Water

Date Sampled: 09/17/2012 12:45

Reporting Basis: WET

Date Received: 09/18/2012 18:40

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	5.0	40.0	5.0	ug/L	U		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	4.0	5.0	4.0	ug/L	U		1	6010B
7440-66-6	Zinc	5.8	30.0	5.8	ug/L	U		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	31500	5000	821	ug/L			1	6010B
7440-09-7	Potassium	3650	5000	525	ug/L	J		1	6010B
7440-39-3	Barium	108	200	5.9	ug/L	J		1	6010B
7440-70-2	Calcium	32900	5000	305	ug/L			1	6010B
7439-89-6	Iron	389	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	15800	5000	321	ug/L			1	6010B
7429-90-5	Aluminum	72.1	200	72.1	ug/L	U		1	6010B
7439-96-5	Manganese	33.3	15.0	4.3	ug/L			1	6010B
7440-48-4	Cobalt	4.3	50.0	4.3	ug/L	U		1	6010B
7439-97-6	Mercury	0.16	0.20	0.16	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SW-17338-091712-SW1-MM-204

Lab Sample ID: 460-44765-5

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

SDG ID.:

Matrix: Water

Date Sampled: 09/17/2012 13:45

Reporting Basis: WET

Date Received: 09/18/2012 18:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	72.1	200	72.1	ug/L	U		1	6010B
7440-36-0	Antimony	7.4	10.0	7.4	ug/L	U		1	6010B
7440-38-2	Arsenic	3.7	5.0	3.7	ug/L	U		1	6010B
7440-39-3	Barium	232	200	5.9	ug/L			1	6010B
7440-41-7	Beryllium	0.78	2.0	0.78	ug/L	U		1	6010B
7440-43-9	Cadmium	0.82	5.0	0.82	ug/L	U		1	6010B
7440-70-2	Calcium	35100	5000	305	ug/L			1	6010B
7440-47-3	Chromium	4.5	10.0	4.5	ug/L	U		1	6010B
7440-48-4	Cobalt	4.3	50.0	4.3	ug/L	U		1	6010B
7440-50-8	Copper	7.8	25.0	7.8	ug/L	U		1	6010B
7439-89-6	Iron	317	150	73.6	ug/L			1	6010B
7439-92-1	Lead	4.0	5.0	4.0	ug/L	U		1	6010B
7439-95-4	Magnesium	20300	5000	321	ug/L			1	6010B
7439-96-5	Manganese	76.7	15.0	4.3	ug/L			1	6010B
7440-02-0	Nickel	5.0	40.0	5.0	ug/L	U		1	6010B
7440-09-7	Potassium	4530	5000	525	ug/L	J		1	6010B
7782-49-2	Selenium	5.8	10.0	5.8	ug/L	U		1	6010B
7440-22-4	Silver	1.3	10.0	1.3	ug/L	U		1	6010B
7440-23-5	Sodium	71600	5000	821	ug/L			1	6010B
7440-28-0	Thallium	5.2	10.0	5.2	ug/L	U		1	6010B
7440-62-2	Vanadium	4.0	50.0	4.0	ug/L	U		1	6010B
7440-66-6	Zinc	141	30.0	5.8	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: SW-17338-091712-SW1-MM-204

Lab Sample ID: 460-44765-5

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

SDG ID.:

Matrix: Water

Date Sampled: 09/17/2012 13:45

Reporting Basis: WET

Date Received: 09/18/2012 18:40

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	5.0	40.0	5.0	ug/L	U		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	4.0	5.0	4.0	ug/L	U		1	6010B
7440-66-6	Zinc	130	30.0	5.8	ug/L			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	71800	5000	821	ug/L			1	6010B
7440-09-7	Potassium	4680	5000	525	ug/L	J		1	6010B
7440-39-3	Barium	227	200	5.9	ug/L			1	6010B
7440-70-2	Calcium	35800	5000	305	ug/L			1	6010B
7439-89-6	Iron	161	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	20000	5000	321	ug/L			1	6010B
7429-90-5	Aluminum	83.2	200	72.1	ug/L	J		1	6010B
7439-96-5	Manganese	65.9	15.0	4.3	ug/L			1	6010B
7440-48-4	Cobalt	4.3	50.0	4.3	ug/L	U		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.: 460-44765-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00058 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00058

Analyte	ICV 460-128898/7 09/21/2012 18:28				CCV 460-128898/31 09/21/2012 20:09				CCV 460-128898/43 09/21/2012 20:59			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	122500		125000	98	124800		125000	100	126600		125000	101
Antimony	1003		1000	100	1024		1000	102	1026		1000	103
Arsenic	2507		2500	100	2550		2500	102	2566		2500	103
Barium	10010		10000	100	10170		10000	102	10230		10000	102
Beryllium	987.1		1000	99	1002		1000	100	1014		1000	101
Cadmium	1260		1250	101	1278		1250	102	1287		1250	103
Calcium	129000		125000	103	126300		125000	101	123600		125000	99
Chromium	5047		5000	101	5059		5000	101	5150		5000	103
Cobalt	2508		2500	100	2562		2500	102	2572		2500	103
Copper	12380		12500	99	12530		12500	100	12730		12500	102
Iron	100800		100000	101	101100		100000	101	103100		100000	103
Lead	7665		7500	102	7786		7500	104	7843		7500	105
Magnesium	125900		125000	101	126900		125000	102	129300		125000	103
Manganese	5155		5000	103	5158		5000	103	5259		5000	105
Nickel	2525		2500	101	2585		2500	103	2596		2500	104
Potassium	49270		50000	99	49860		50000	100	50860		50000	102
Selenium	2486		2500	99	2516		2500	101	2538		2500	102
Silver	1233		1250	99	1238		1250	99	1264		1250	101
Sodium	124800		125000	100	127700		125000	102	129800		125000	104
Thallium	2551		2500	102	2594		2500	104	2621		2500	105
Vanadium	2481		2500	99	2487		2500	99	2537		2500	101
Zinc	2487		2500	99	2542		2500	102	2553		2500	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00058 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00058

Analyte	CCV 460-128898/55 09/21/2012 21:49											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	126000		125000	101								
Antimony	1020		1000	102								
Arsenic	2538		2500	102								
Barium	10160		10000	102								
Beryllium	1006		1000	101								
Cadmium	1278		1250	102								
Calcium	122000		125000	98								
Chromium	5104		5000	102								
Cobalt	2538		2500	102								
Copper	12670		12500	101								
Iron	102200		100000	102								
Lead	7782		7500	104								
Magnesium	128100		125000	102								
Manganese	5224		5000	104								
Nickel	2567		2500	103								
Potassium	51740		50000	103								
Selenium	2521		2500	101								
Silver	1265		1250	101								
Sodium	130200		125000	104								
Thallium	2588		2500	104								
Vanadium	2527		2500	101								
Zinc	2520		2500	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00058 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00058

Analyte	ICV 460-129165/7 09/24/2012 18:17				CCV 460-129165/19 09/24/2012 19:08				CCV 460-129165/31 09/24/2012 19:58			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	122300		125000	98	122400		125000	98	121700		125000	97
Antimony	974.4		1000	97	987.7		1000	99	984.3		1000	98
Arsenic	2424		2500	97	2458		2500	98	2439		2500	98
Barium	9810		10000	98	9944		10000	99	9904		10000	99
Beryllium	986.2		1000	99	988.7		1000	99	983.9		1000	98
Cadmium	1228		1250	98	1245		1250	100	1238		1250	99
Calcium	123200		125000	99	121900		125000	98	119000		125000	95
Chromium	4999		5000	100	5040		5000	101	4990		5000	100
Cobalt	2444		2500	98	2479		2500	99	2466		2500	99
Copper	12360		12500	99	12340		12500	99	12260		12500	98
Iron	99650		100000	100	100100		100000	100	98490		100000	98
Lead	7476		7500	100	7569		7500	101	7523		7500	100
Magnesium	124100		125000	99	125200		125000	100	123400		125000	99
Manganese	5030		5000	101	5050		5000	101	4987		5000	100
Nickel	2461		2500	98	2497		2500	100	2481		2500	99
Potassium	49580		50000	99	49910		50000	100	49780		50000	100
Selenium	2408		2500	96	2443		2500	98	2416		2500	97
Silver	1225		1250	98	1235		1250	99	1225		1250	98
Sodium	126700		125000	101	126500		125000	101	126100		125000	101
Thallium	2493		2500	100	2525		2500	101	2506		2500	100
Vanadium	2461		2500	98	2475		2500	99	2452		2500	98
Zinc	2425		2500	97	2461		2500	98	2447		2500	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.: 460-44765-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00058 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00058

Analyte	CCV 460-129165/43 09/24/2012 20:49											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	122000		125000	98								
Antimony	981.6		1000	98								
Arsenic	2438		2500	98								
Barium	9922		10000	99								
Beryllium	988.2		1000	99								
Cadmium	1238		1250	99								
Calcium	118100		125000	94								
Chromium	5043		5000	101								
Cobalt	2467		2500	99								
Copper	12260		12500	98								
Iron	99380		100000	99								
Lead	7536		7500	100								
Magnesium	124600		125000	100								
Manganese	5038		5000	101								
Nickel	2482		2500	99								
Potassium	50050		50000	100								
Selenium	2426		2500	97								
Silver	1236		1250	99								
Sodium	126900		125000	102								
Thallium	2514		2500	101								
Vanadium	2483		2500	99								
Zinc	2445		2500	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.: 460-44765-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00058 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00058

Analyte	ICV 460-129268/7 09/25/2012 11:25				CCV 460-129268/31 09/25/2012 13:07				CCV 460-129268/43 09/25/2012 13:58			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	124300		125000	99	124200		125000	99	125300		125000	100
Antimony	993.2		1000	99	1003		1000	100	1004		1000	100
Arsenic	2477		2500	99	2490		2500	100	2494		2500	100
Barium	9966		10000	100	10030		10000	100	10030		10000	100
Beryllium	1004		1000	100	1006		1000	101	1017		1000	102
Cadmium	1251		1250	100	1257		1250	101	1257		1250	101
Calcium	125900		125000	101	124300		125000	99	124800		125000	100
Chromium	5047		5000	101	5041		5000	101	5037		5000	101
Cobalt	2487		2500	99	2503		2500	100	2508		2500	100
Copper	12590		12500	101	12590		12500	101	12690		12500	102
Iron	100900		100000	101	100800		100000	101	100700		100000	101
Lead	7616		7500	102	7658		7500	102	7642		7500	102
Magnesium	125700		125000	101	126200		125000	101	125800		125000	101
Manganese	5119		5000	102	5128		5000	103	5112		5000	102
Nickel	2507		2500	100	2524		2500	101	2524		2500	101
Potassium	50760		50000	102	50690		50000	101	51170		50000	102
Selenium	2456		2500	98	2476		2500	99	2476		2500	99
Silver	1239		1250	99	1247		1250	100	1246		1250	100
Sodium	129100		125000	103	129500		125000	104	130400		125000	104
Thallium	2532		2500	101	2547		2500	102	2535		2500	101
Vanadium	2489		2500	100	2502		2500	100	2500		2500	100
Zinc	2471		2500	99	2487		2500	99	2484		2500	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00625 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00625

Analyte	ICV 460-128489/7-A 09/19/2012 19:37				CCV 460-128489/8-A 09/19/2012 20:02				CCV 460-128489/8-A 09/19/2012 20:24			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.25		5.00	105	5.21		5.00	104	5.29		5.00	106

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00625 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00625

Analyte	CCV 460-128489/8-A 09/19/2012 20:40											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.16		5.00	103								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00627 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00627

Analyte	ICV 460-128876/7-A 09/21/2012 20:01				CCV 460-128876/8-A 09/21/2012 21:05				CCV 460-128876/8-A 09/21/2012 21:28			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.97		5.00	99	5.11		5.00	102	5.12		5.00	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00627 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00627

Analyte	CCV 460-128876/8-A 09/21/2012 21:52											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.17		5.00	103								

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.: 460-44765-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-128898/8 09/21/2012 18:31		CCB 460-128898/32 09/21/2012 20:13		CCB 460-128898/44 09/21/2012 21:03		CCB 460-128898/56 09/21/2012 21:53	
		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.: 460-44765-1
SDG No.: _____
Concentration Units: ug/L

Analyte	RL	ICB 460-129165/8 09/24/2012 18:21		CCB 460-129165/20 09/24/2012 19:12		CCB 460-129165/32 09/24/2012 20:02		CCB 460-129165/44 09/24/2012 20:53	
		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.: 460-44765-1
SDG No.: _____
Concentration Units: ug/L

Analyte	RL	ICB 460-129268/8 09/25/2012 11:29		CCB 460-129268/32 09/25/2012 13:11		CCB 460-129268/44 09/25/2012 14:02			
		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	3.7	U	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.: 460-44765-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-128519/9 09/19/2012 19:39		CCB 460-128489/9-A 09/19/2012 20:04		CCB 460-128489/9-A 09/19/2012 20:27		CCB 460-128489/9-A 09/19/2012 20:42	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.16	U	0.16	U	0.16	U	0.16	U

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-128892/8 09/21/2012 20:03		CCB 460-128876/9-A 09/21/2012 21:07		CCB 460-128876/9-A 09/21/2012 21:30		CCB 460-128876/9-A 09/21/2012 21:54	
		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
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1
 SDG No.: _____
 Concentration Units: ug/L Lab Sample ID: MB 460-128757/1-A
 Instrument Code: ICP5 Batch No.: 128898

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.: 460-44765-1
SDG No.: _____
Concentration Units: ug/L Lab Sample ID: MB 460-128864/1-F
Instrument Code: ICP5 Batch No.: 129268

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.: 460-44765-1
SDG No.: _____
Concentration Units: ug/L Lab Sample ID: MB 460-128489/11-A
Instrument Code: LEEMAN5 Batch No.: 128519

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.: 460-44765-1
SDG No.: _____
Concentration Units: ug/L Lab Sample ID: MB 460-128864/1-B
Instrument Code: LEEMAN5 Batch No.: 128892

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.: 460-44765-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-128898/29 Instrument ID: ICP5
 Lab File ID: 09212012A.asc ICS Source: ME_ICSA_Duo_00039
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	524600	105
Antimony		-2.76	
Arsenic		-0.773	
Barium		-0.0286	
Beryllium		0.0839	
Cadmium		-2.13	
Calcium	500000	483800	97
Chromium		1.31	
Cobalt		-0.994	
Copper		-6.02	
Iron	200000	203200	102
Lead		5.40	
Magnesium	500000	508700	102
Manganese		-0.680	
Nickel		-3.35	
Potassium		98.5	
Selenium		-7.07	
Silver		-1.07	
Sodium		22.0	
Thallium		-4.65	
Vanadium		2.86	
Zinc		0.265	
<i>Boron</i>		<i>-0.929</i>	
<i>Molybdenum</i>		<i>-1.14</i>	
<i>Strontium</i>		<i>-0.196</i>	
<i>Tin</i>		<i>-2.56</i>	
<i>Titanium</i>		<i>-2.47</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.: 460-44765-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-128898/30 Instrument ID: ICP5
 Lab File ID: 09212012A.asc ICS Source: ME_ICSAB_DUO_00040
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500000	510000	102
Antimony	100	102	102
Arsenic	100	100.0	100
Barium	100	100	100
Beryllium	100	99.8	100
Cadmium	100	98.0	98
Calcium	500000	471900	94
Chromium	100	101	101
Cobalt	100	98.4	98
Copper	100	94.9	95
Iron	200000	202100	101
Lead	100	102	102
Magnesium	500000	511600	102
Manganese	100	102	102
Nickel	100	95.4	95
Potassium	10000	10560	106
Selenium	100	92.4	92
Silver	100	102	102
Sodium	10000	10800	108
Thallium	100	91.9	92
Vanadium	100	102	102
Zinc	100	99.1	99
<i>Boron</i>	<i>100</i>	<i>96.9</i>	<i>97</i>
<i>Molybdenum</i>	<i>100</i>	<i>99.9</i>	<i>100</i>
<i>Strontium</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Tin</i>	<i>100</i>	<i>94.9</i>	<i>95</i>
<i>Titanium</i>	<i>100</i>	<i>98.5</i>	<i>99</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.: 460-44765-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-129165/9 Instrument ID: ICP5
 Lab File ID: 09242012A.asc ICS Source: ME_ICSA_Duo_00039
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	516700	103
Antimony		-2.39	
Arsenic		-5.39	
Barium		-0.611	
Beryllium		-0.0752	
Cadmium		-0.659	
Calcium	500000	480600	96
Chromium		-0.498	
Cobalt		-0.204	
Copper		-1.29	
Iron	200000	200500	100
Lead		0.332	
Magnesium	500000	505900	101
Manganese		-0.683	
Nickel		-0.398	
Potassium		523	
Selenium		3.60	
Silver		-1.00	
Sodium		92.2	
Thallium		-4.13	
Vanadium		0.806	
Zinc		-0.355	
<i>Boron</i>		<i>0.179</i>	
<i>Molybdenum</i>		<i>-0.733</i>	
<i>Strontium</i>		<i>-0.159</i>	
<i>Tin</i>		<i>-3.09</i>	
<i>Titanium</i>		<i>-3.38</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.: 460-44765-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-129165/10 Instrument ID: ICP5
 Lab File ID: 09242012A.asc ICS Source: ME_ICSAB_DUO_00040
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500000	504900	101
Antimony	100	90.7	91
Arsenic	100	90.3	90
Barium	100	96.0	96
Beryllium	100	101	101
Cadmium	100	94.6	95
Calcium	500000	474400	95
Chromium	100	98.5	98
Cobalt	100	93.5	94
Copper	100	99.8	100
Iron	200000	200000	100
Lead	100	92.2	92
Magnesium	500000	498400	100
Manganese	100	101	101
Nickel	100	93.7	94
Potassium	10000	11010	110
Selenium	100	99.0	99
Silver	100	102	102
Sodium	10000	11050	111
Thallium	100	90.8	91
Vanadium	100	99.4	99
Zinc	100	93.9	94
<i>Boron</i>	<i>100</i>	<i>92.8</i>	<i>93</i>
<i>Molybdenum</i>	<i>100</i>	<i>95.1</i>	<i>95</i>
<i>Strontium</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Tin</i>	<i>100</i>	<i>89.8</i>	<i>90</i>
<i>Titanium</i>	<i>100</i>	<i>91.6</i>	<i>92</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.: 460-44765-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-129268/9 Instrument ID: ICP5
 Lab File ID: 09252012.asc ICS Source: ME_ICSA_Duo_00039
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	502800	101
Antimony		-6.24	
Arsenic		-2.11	
Barium		-0.537	
Beryllium		-0.0981	
Cadmium		-0.533	
Calcium	500000	477900	96
Chromium		1.59	
Cobalt		-0.829	
Copper		-2.91	
Iron	200000	195100	98
Lead		1.28	
Magnesium	500000	488000	98
Manganese		-0.572	
Nickel		-0.883	
Potassium		469	
Selenium		-3.01	
Silver		-0.476	
Sodium		120	
Thallium		-2.44	
Vanadium		0.549	
Zinc		-0.112	
<i>Boron</i>		<i>1.13</i>	
<i>Molybdenum</i>		<i>-0.845</i>	
<i>Strontium</i>		<i>-0.214</i>	
<i>Tin</i>		<i>-2.61</i>	
<i>Titanium</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.: 460-44765-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-129268/10 Instrument ID: ICP5
 Lab File ID: 09252012.asc ICS Source: ME_ICSAB_DUO_00040
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500000	488100	98
Antimony	100	87.2	87
Arsenic	100	90.9	91
Barium	100	94.6	95
Beryllium	100	97.9	98
Cadmium	100	93.7	94
Calcium	500000	474500	95
Chromium	100	98.4	98
Cobalt	100	92.3	92
Copper	100	95.1	95
Iron	200000	196800	98
Lead	100	92.5	92
Magnesium	500000	491300	98
Manganese	100	99.9	100
Nickel	100	92.7	93
Potassium	10000	10800	108
Selenium	100	90.3	90
Silver	100	101	101
Sodium	10000	10990	110
Thallium	100	91.6	92
Vanadium	100	97.1	97
Zinc	100	92.4	92
<i>Boron</i>	<i>100</i>	<i>92.3</i>	<i>92</i>
<i>Molybdenum</i>	<i>100</i>	<i>93.7</i>	<i>94</i>
<i>Strontium</i>	<i>100</i>	<i>100</i>	<i>100</i>
<i>Tin</i>	<i>100</i>	<i>91.1</i>	<i>91</i>
<i>Titanium</i>	<i>100</i>	<i>90.2</i>	<i>90</i>

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: SW-17338-091712-SW5-MM-200 MS

Lab ID: 460-44765-1 MS

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

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	51.78	0.82 U	50.0	104	75-125		6010B
Antimony	511.9	7.4 U	500	102	75-125		6010B
Beryllium	50.78	0.78 U	50.0	102	75-125		6010B
Thallium	2159	5.2 U	2000	108	75-125		6010B
Nickel	524.9	5.0 U	500	105	75-125		6010B
Silver	48.90	1.3 U	50.0	98	75-125		6010B
Arsenic	2040	3.7 U	2000	102	75-125		6010B
Copper	247.1	7.8 U	250	99	75-125		6010B
Lead	526.7	4.0 U	500	105	75-125		6010B
Zinc	549.2	43.5	500	101	75-125		6010B
Selenium	1969	5.8 U	2000	98	75-125		6010B
Chromium	202.6	4.5 U	200	101	75-125		6010B
Sodium	60490	42600	20000	89	75-125		6010B
Potassium	23180	3830 J	20000	97	75-125		6010B
Barium	2198	148 J	2000	102	75-125		6010B
Calcium	52440	35000	20000	87	75-125		6010B
Iron	1376	382	1000	99	75-125		6010B
Vanadium	495.5	4.0 U	500	99	75-125		6010B
Magnesium	37110	18000	20000	96	75-125		6010B
Aluminum	1997	72.1 U	2000	100	75-125		6010B
Manganese	585.9	63.6	500	104	75-125		6010B
Cobalt	515.9	4.3 U	500	103	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: SW-17338-091712-SW5-MM-200 MS

Lab ID: 460-44765-1 MS

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

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	52.27	0.82 U	50.0	105	75-125		6010B
Antimony	497.4	7.4 U	500	99	75-125		6010B
Beryllium	52.23	0.78 U	50.0	104	75-125		6010B
Thallium	2187	5.2 U	2000	109	75-125		6010B
Nickel	521.7	5.0 U	500	104	75-125		6010B
Silver	50.08	1.3 U	50.0	100	75-125		6010B
Arsenic	2024	3.7 U	2000	101	75-125		6010B
Copper	258.6	7.8 U	250	103	75-125		6010B
Lead	530.6	4.0 U	500	106	75-125		6010B
Zinc	543.7	32.2	500	102	75-125		6010B
Selenium	1959	5.8 U	2000	98	75-125		6010B
Chromium	209.2	4.5 U	200	105	75-125		6010B
Sodium	61610	39700	20000	110	75-125		6010B
Potassium	24270	3780 J	20000	102	75-125		6010B
Barium	2238	137 J	2000	105	75-125		6010B
Calcium	55740	34800	20000	105	75-125		6010B
Iron	1385	331	1000	105	75-125		6010B
Vanadium	507.6	4.0 U	500	102	75-125		6010B
Magnesium	37600	16900	20000	104	75-125		6010B
Aluminum	2034	72.1 U	2000	102	75-125		6010B
Manganese	583.4	53.2	500	106	75-125		6010B
Cobalt	517.8	4.3 U	500	104	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: 460-44761-H-1-D MS
Lab Name: TestAmerica Edison Job No.: 460-44765-1
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	2.00	0.16 U	2.00	100	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: 460-44876-E-1-D MS
Lab Name: TestAmerica Edison Job No.: 460-44765-1
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	1.02	0.16 U	1.00	102	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: SW-17338-091712-SW5-MM-200 PDS

Lab ID: 460-44765-1 PDS

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

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	49.75	0.82 U	50.0	100	75-125		6010B
Antimony	487.0	7.4 U	500	97	75-125		6010B
Beryllium	49.85	0.78 U	50.0	100	75-125		6010B
Thallium	2092	5.2 U	2000	105	75-125		6010B
Nickel	504.4	5.0 U	500	101	75-125		6010B
Silver	47.22	1.3 U	50.0	94	75-125		6010B
Arsenic	1962	3.7 U	2000	98	75-125		6010B
Copper	245.2	7.8 U	250	98	75-125		6010B
Lead	507.8	4.0 U	500	102	75-125		6010B
Zinc	531.8	43.5	500	98	75-125		6010B
Selenium	1911	5.8 U	2000	96	75-125		6010B
Chromium	193.1	4.5 U	200	97	75-125		6010B
Sodium	61990	42600	20000	97	75-125		6010B
Potassium	23450	3830 J	20000	98	75-125		6010B
Barium	2120	148 J	2000	99	75-125		6010B
Calcium	52770	35000	20000	89	75-125		6010B
Iron	1336	382	1000	95	75-125		6010B
Vanadium	472.5	4.0 U	500	95	75-125		6010B
Magnesium	36730	18000	20000	94	75-125		6010B
Aluminum	1990	72.1 U	2000	100	75-125		6010B
Manganese	554.2	63.6	500	98	75-125		6010B
Cobalt	494.2	4.3 U	500	99	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: SW-17338-091712-SW5-MM-200 PDS

Lab ID: 460-44765-1 PDS

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

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	48.67	0.82 U	50.0	97	75-125		6010B
Antimony	458.6	7.4 U	500	92	75-125		6010B
Beryllium	48.88	0.78 U	50.0	98	75-125		6010B
Thallium	2068	5.2 U	2000	103	75-125		6010B
Nickel	489.0	5.0 U	500	98	75-125		6010B
Silver	47.08	1.3 U	50.0	94	75-125		6010B
Arsenic	1892	3.7 U	2000	95	75-125		6010B
Copper	238.0	7.8 U	250	95	75-125		6010B
Lead	496.8	4.0 U	500	99	75-125		6010B
Zinc	507.1	32.2	500	95	75-125		6010B
Selenium	1846	5.8 U	2000	92	75-125		6010B
Chromium	194.5	4.5 U	200	97	75-125		6010B
Sodium	58600	39700	20000	94	75-125		6010B
Potassium	23220	3780 J	20000	97	75-125		6010B
Barium	2083	137 J	2000	97	75-125		6010B
Calcium	53010	34800	20000	91	75-125		6010B
Iron	1303	331	1000	97	75-125		6010B
Vanadium	474.3	4.0 U	500	95	75-125		6010B
Magnesium	35770	16900	20000	95	75-125		6010B
Aluminum	1961	72.1 U	2000	98	75-125		6010B
Manganese	539.3	53.2	500	97	75-125		6010B
Cobalt	481.9	4.3 U	500	96	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: SW-17338-091712-SW5-MM-200 DU

Lab ID: 460-44765-1 DU

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

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	5.0 U	5.0 U	NC		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	43.5	39.35	10		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	42600	41390	3		6010B
Potassium	5000	3830 J	3809 J	0.4		6010B
Barium	200	148 J	144.8 J	2		6010B
Calcium	5000	35000	34480	2		6010B
Iron	150	382	370.7	3		6010B
Vanadium	50.0	4.0 U	4.0 U	NC		6010B
Magnesium	5000	18000	17450	3		6010B
Aluminum	200	72.1 U	72.1 U	NC		6010B
Manganese	15.0	63.6	61.48	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: SW-17338-091712-SW5-MM-200 DU

Lab ID: 460-44765-1 DU

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

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	5.0 U	5.0 U	NC		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	32.2	34.53	7		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	39700	41850	5		6010B
Potassium	5000	3780 J	3966 J	5		6010B
Barium	200	137 J	145.4 J	6		6010B
Calcium	5000	34800	36800	6		6010B
Iron	150	331	364.5	10		6010B
Vanadium	50.0	4.0 U	4.0 U	NC		6010B
Magnesium	5000	16900	17780	5		6010B
Aluminum	200	72.1 U	72.1 U	NC		6010B
Manganese	15.0	53.2	56.02	5		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

Client ID: _____ Lab ID: 460-44761-H-1-C DU
Lab Name: TestAmerica Edison Job No.: 460-44765-1
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.

6-IN
DUPLICATES
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-44876-E-1-C DU
Lab Name: TestAmerica Edison Job No.: 460-44765-1
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 460-128757/2-A

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

Sample Matrix: Water

LCS Source: ME_LCS-int_00033

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Cadmium	50.0	53.32		107	80	120		6010B
Antimony	500	521.8		104	80	120		6010B
Beryllium	50.0	51.68		103	80	120		6010B
Thallium	2000	2269		113	80	120		6010B
Nickel	500	540.7		108	80	120		6010B
Silver	50.0	50.75		102	80	120		6010B
Arsenic	2000	2058		103	80	120		6010B
Copper	250	256.2		102	80	120		6010B
Lead	500	550.1		110	80	120		6010B
Zinc	500	527.0		105	80	120		6010B
Selenium	2000	2004		100	80	120		6010B
Chromium	200	209.2		105	80	120		6010B
Sodium	20000	21200		106	80	120		6010B
Potassium	20000	19990		100	80	120		6010B
Barium	2000	2124		106	80	120		6010B
Calcium	20000	19380		97	80	120		6010B
Iron	1000	1069		107	80	120		6010B
Vanadium	500	509.4		102	80	120		6010B
Magnesium	20000	21010		105	80	120		6010B
Aluminum	2000	2015		101	80	120		6010B
Manganese	500	546.1		109	80	120		6010B
Cobalt	500	533.4		107	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 460-129011/2-A

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

Sample Matrix: Water

LCS Source: ME_LCS-int_00033

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Cadmium	50.0	51.42		103	80	120		6010B
Antimony	500	486.1		97	80	120		6010B
Beryllium	50.0	51.14		102	80	120		6010B
Thallium	2000	2214		111	80	120		6010B
Nickel	500	518.7		104	80	120		6010B
Silver	50.0	49.61		99	80	120		6010B
Arsenic	2000	1953		98	80	120		6010B
Copper	250	257.1		103	80	120		6010B
Lead	500	530.9		106	80	120		6010B
Zinc	500	507.2		101	80	120		6010B
Selenium	2000	1904		95	80	120		6010B
Chromium	200	206.3		103	80	120		6010B
Sodium	20000	21370		107	80	120		6010B
Potassium	20000	20280		101	80	120		6010B
Barium	2000	2075		104	80	120		6010B
Calcium	20000	19350		97	80	120		6010B
Iron	1000	1021		102	80	120		6010B
Vanadium	500	497.6		100	80	120		6010B
Magnesium	20000	20230		101	80	120		6010B
Aluminum	2000	2014		101	80	120		6010B
Manganese	500	524.9		105	80	120		6010B
Cobalt	500	513.5		103	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 460-128489/12-A

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

Sample Matrix: Water

LCS Source: ME_DCAL-IN_00908

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	2.00	1.98		99	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 460-128878/11-A

Lab Name: TestAmerica Edison

Job No.: 460-44765-1

Sample Matrix: Water

LCS Source: ME_DCAL-IN_00910

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	1.03		103	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: 460-44765-1

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-44765-1

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	5.0	U	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	43.5		44.00	J	NC		6010B
Selenium	5.8	U	28.8	U	NC		6010B
Chromium	4.5	U	22.3	U	NC		6010B
Sodium	42600		42270		0.82		6010B
Potassium	3830	J	3626	J	NC		6010B
Barium	148	J	147.6	J	NC		6010B
Calcium	35000		34800		0.61		6010B
Iron	382		368	U	NC		6010B
Vanadium	4.0	U	20.2	U	NC		6010B
Magnesium	18000		18290	J	1.8		6010B
Aluminum	72.1	U	361	U	NC		6010B
Manganese	63.6		64.00	J	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 - DISSOLVED

Lab ID: 460-44765-1

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-44765-1

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	5.0	U	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	32.2		30.80	J	NC		6010B
Selenium	5.8	U	28.8	U	NC		6010B
Chromium	4.5	U	22.3	U	NC		6010B
Sodium	39700		39750		NC		6010B
Potassium	3780	J	4152	J	NC		6010B
Barium	137	J	135.4	J	NC		6010B
Calcium	34800		33190		4.6		6010B
Iron	331		368	U	NC		6010B
Vanadium	4.0	U	20.2	U	NC		6010B
Magnesium	16900		16850	J	0.12		6010B
Aluminum	72.1	U	361	U	NC		6010B
Manganese	53.2		51.80	J	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: 460-44761-H-1-B SD ^5

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-44765-1

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: 460-44876-E-1-B SD ^5

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-44765-1

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: 460-44765-1
SDG Number: _____
Matrix: Water Instrument ID: ICP5
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: 460-44765-1
SDG Number: _____
Matrix: Water Instrument ID: ICP5
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: 460-44765-1
 SDG Number: _____
 Matrix: Water Instrument ID: ICP5
 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: 460-44765-1
SDG Number: _____
Matrix: Water Instrument ID: ICP5
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: 460-44765-1
SDG Number: _____
Matrix: Water Instrument ID: LEEMAN5
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: 460-44765-1
SDG Number: _____
Matrix: Water Instrument ID: LEEMAN5
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: 460-44765-1
SDG Number: _____
Matrix: Water Instrument ID: LEEMAN5
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: 460-44765-1
SDG Number: _____
Matrix: Water Instrument ID: LEEMAN5
Method: 7470A XMDL Date: 11/14/2011 12:40

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.16

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-128757/1-A	09/21/2012 08:09	128757		50	50
LCS 460-128757/2-A	09/21/2012 08:09	128757		50	50
460-44765-1	09/21/2012 08:09	128757		50	50
460-44765-1 DU	09/21/2012 08:09	128757		50	50
460-44765-1 MS	09/21/2012 08:09	128757		50	50
460-44765-2	09/21/2012 08:09	128757		50	50
460-44765-3	09/21/2012 08:09	128757		50	50
460-44765-4	09/21/2012 08:09	128757		50	50
460-44765-5	09/21/2012 08:09	128757		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-128864/1-F	09/24/2012 08:43	129011		50	50
LCS 460-129011/2-A	09/24/2012 08:43	129011		50	50
460-44765-1	09/24/2012 08:43	129011		50	50
460-44765-1 DU	09/24/2012 08:43	129011		50	50
460-44765-1 MS	09/24/2012 08:43	129011		50	50
460-44765-2	09/24/2012 08:43	129011		50	50
460-44765-3	09/24/2012 08:43	129011		50	50
460-44765-4	09/24/2012 08:43	129011		50	50
460-44765-5	09/24/2012 08:43	129011		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-128489/11-A	09/19/2012 17:00	128489		30	30
LCS 460-128489/12-A	09/19/2012 17:00	128489		30	30
460-44761-H-1-C DU	09/19/2012 17:00	128489		30	30
460-44761-H-1-D MS	09/19/2012 17:00	128489		30	30
460-44765-1	09/19/2012 17:00	128489		30	30
460-44765-2	09/19/2012 17:00	128489		30	30
460-44765-3	09/19/2012 17:00	128489		30	30
460-44765-4	09/19/2012 17:00	128489		30	30
460-44765-5	09/19/2012 17:00	128489		30	30

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-128864/1-B	09/21/2012 17:30	128878		30	30
LCS 460-128878/11-A	09/21/2012 17:30	128878		30	30
460-44876-E-1-C DU	09/21/2012 17:30	128878		30	30
460-44876-E-1-D MS	09/21/2012 17:30	128878		30	30
460-44765-1	09/21/2012 17:30	128878		30	30
460-44765-2	09/21/2012 17:30	128878		30	30
460-44765-3	09/21/2012 17:30	128878		30	30
460-44765-4	09/21/2012 17:30	128878		30	30
460-44765-5	09/21/2012 17:30	128878		30	30

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 09/21/2012 18:02 End Date: 09/22/2012 02:14

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			18:02																			
ZZZZZZ			18:07																			
ZZZZZZ			18:11																			
ZZZZZZ			18:15																			
ZZZZZZ			18:19																			
ZZZZZZ			18:23																			
ICV 460-128898/7	1		18:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 460-128898/8	1		18:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 460-128898/9			18:36																			
ICSAB 460-128898/10			18:40																			
ZZZZZZ			18:44																			
ZZZZZZ			18:49																			
ZZZZZZ			18:53																			
ZZZZZZ			18:57																			
ZZZZZZ			19:02																			
ZZZZZZ			19:06																			
ZZZZZZ			19:10																			
ZZZZZZ			19:14																			
CCV 460-128898/19			19:18																			
CCB 460-128898/20			19:22																			
ZZZZZZ			19:26																			
ZZZZZZ			19:30																			
ZZZZZZ			19:35																			
ZZZZZZ			19:39																			
ZZZZZZ			19:43																			
ZZZZZZ			19:48																			
ZZZZZZ			19:52																			
ZZZZZZ			19:56																			
ICSA 460-128898/29	1		20:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 460-128898/30	1		20:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-128898/31	1		20:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-128898/32	1		20:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 460-128757/1-A	1	T	20:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 460-128757/2-A	1	T	20:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-44765-1 DU	1	T	20:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-44765-1	1	T	20:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-44765-1 SD	5	T	20:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-44765-1 MS	1	T	20:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-44765-1 PDS	1	T	20:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-44765-2	1	T	20:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-44765-3	1	T	20:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-44765-4	1	T	20:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 09/21/2012 18:02 End Date: 09/22/2012 02:14

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
CCV 460-128898/43	1		20:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-128898/44	1		21:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-44765-5	1	T	21:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			21:11																				
ZZZZZZ			21:15																				
ZZZZZZ			21:20																				
ZZZZZZ			21:24																				
ZZZZZZ			21:28																				
ZZZZZZ			21:32																				
ZZZZZZ			21:37																				
ZZZZZZ			21:41																				
ZZZZZZ			21:45																				
CCV 460-128898/55	1		21:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-128898/56	1		21:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			21:57																				
ZZZZZZ			22:02																				
ZZZZZZ			22:06																				
ZZZZZZ			22:10																				
ZZZZZZ			22:14																				
ZZZZZZ			22:18																				
ZZZZZZ			22:23																				
ZZZZZZ			22:27																				
ZZZZZZ			22:31																				
ZZZZZZ			22:35																				
CCV 460-128898/67			22:39																				
CCB 460-128898/68			22:43																				
ZZZZZZ			22:47																				
ZZZZZZ			22:52																				
ZZZZZZ			22:56																				
ZZZZZZ			23:00																				
ZZZZZZ			23:04																				
ZZZZZZ			23:08																				
ZZZZZZ			23:13																				
ZZZZZZ			23:17																				
ZZZZZZ			23:21																				
ZZZZZZ			23:25																				
CCV 460-128898/79			23:30																				
CCB 460-128898/80			23:34																				
ZZZZZZ			23:38																				
ZZZZZZ			23:42																				
ZZZZZZ			23:46																				
ZZZZZZ			23:51																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 09/21/2012 18:02 End Date: 09/22/2012 02:14

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			23:55																			
ZZZZZZ			23:59																			
ZZZZZZ			00:03																			
ZZZZZZ			00:08																			
ZZZZZZ			00:12																			
ZZZZZZ			00:16																			
CCV 460-128898/91			00:20																			
CCB 460-128898/92			00:24																			
ZZZZZZ			00:28																			
ZZZZZZ			00:33																			
ZZZZZZ			00:37																			
ZZZZZZ			00:41																			
ZZZZZZ			00:45																			
ZZZZZZ			00:49																			
ZZZZZZ			00:54																			
ZZZZZZ			00:58																			
ZZZZZZ			01:02																			
ZZZZZZ			01:06																			
CCV 460-128898/103			01:11																			
CCB 460-128898/104			01:15																			
ZZZZZZ			01:19																			
ZZZZZZ			01:23																			
ZZZZZZ			01:28																			
ZZZZZZ			01:32																			
ZZZZZZ			01:36																			
ZZZZZZ			01:40																			
ZZZZZZ			01:45																			
ZZZZZZ			01:49																			
ZZZZZZ			01:53																			
ZZZZZZ			01:57																			
CCV 460-128898/115			02:01																			
CCB 460-128898/116			02:05																			
CCV 460-128898/117			02:10																			
CCB 460-128898/118			02:14																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 09/21/2012 18:02 End Date: 09/22/2012 02:14

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			18:02																		
ZZZZZZ			18:07																		
ZZZZZZ			18:11																		
ZZZZZZ			18:15																		
ZZZZZZ			18:19																		
ZZZZZZ			18:23																		
ICV 460-128898/7	1		18:28	X	X																
ICB 460-128898/8	1		18:31	X	X																
ICSA 460-128898/9			18:36																		
ICSAB 460-128898/10			18:40																		
ZZZZZZ			18:44																		
ZZZZZZ			18:49																		
ZZZZZZ			18:53																		
ZZZZZZ			18:57																		
ZZZZZZ			19:02																		
ZZZZZZ			19:06																		
ZZZZZZ			19:10																		
ZZZZZZ			19:14																		
CCV 460-128898/19			19:18																		
CCB 460-128898/20			19:22																		
ZZZZZZ			19:26																		
ZZZZZZ			19:30																		
ZZZZZZ			19:35																		
ZZZZZZ			19:39																		
ZZZZZZ			19:43																		
ZZZZZZ			19:48																		
ZZZZZZ			19:52																		
ZZZZZZ			19:56																		
ICSA 460-128898/29	1		20:00	X	X																
ICSAB 460-128898/30	1		20:05	X	X																
CCV 460-128898/31	1		20:09	X	X																
CCB 460-128898/32	1		20:13	X	X																
MB 460-128757/1-A	1	T	20:17	X	X																
LCS 460-128757/2-A	1	T	20:21	X	X																
460-44765-1 DU	1	T	20:25	X	X																
460-44765-1	1	T	20:30	X	X																
460-44765-1 SD	5	T	20:34	X	X																
460-44765-1 MS	1	T	20:38	X	X																
460-44765-1 PDS	1	T	20:42	X	X																
460-44765-2	1	T	20:46	X	X																
460-44765-3	1	T	20:50	X	X																
460-44765-4	1	T	20:54	X	X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 09/21/2012 18:02 End Date: 09/22/2012 02:14

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCV 460-128898/43	1		20:59	X	X																
CCB 460-128898/44	1		21:03	X	X																
460-44765-5	1	T	21:07	X	X																
ZZZZZZ			21:11																		
ZZZZZZ			21:15																		
ZZZZZZ			21:20																		
ZZZZZZ			21:24																		
ZZZZZZ			21:28																		
ZZZZZZ			21:32																		
ZZZZZZ			21:37																		
ZZZZZZ			21:41																		
ZZZZZZ			21:45																		
CCV 460-128898/55	1		21:49	X	X																
CCB 460-128898/56	1		21:53	X	X																
ZZZZZZ			21:57																		
ZZZZZZ			22:02																		
ZZZZZZ			22:06																		
ZZZZZZ			22:10																		
ZZZZZZ			22:14																		
ZZZZZZ			22:18																		
ZZZZZZ			22:23																		
ZZZZZZ			22:27																		
ZZZZZZ			22:31																		
ZZZZZZ			22:35																		
CCV 460-128898/67			22:39																		
CCB 460-128898/68			22:43																		
ZZZZZZ			22:47																		
ZZZZZZ			22:52																		
ZZZZZZ			22:56																		
ZZZZZZ			23:00																		
ZZZZZZ			23:04																		
ZZZZZZ			23:08																		
ZZZZZZ			23:13																		
ZZZZZZ			23:17																		
ZZZZZZ			23:21																		
ZZZZZZ			23:25																		
CCV 460-128898/79			23:30																		
CCB 460-128898/80			23:34																		
ZZZZZZ			23:38																		
ZZZZZZ			23:42																		
ZZZZZZ			23:46																		
ZZZZZZ			23:51																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 09/21/2012 18:02 End Date: 09/22/2012 02:14

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			23:55																		
ZZZZZZ			23:59																		
ZZZZZZ			00:03																		
ZZZZZZ			00:08																		
ZZZZZZ			00:12																		
ZZZZZZ			00:16																		
CCV 460-128898/91			00:20																		
CCB 460-128898/92			00:24																		
ZZZZZZ			00:28																		
ZZZZZZ			00:33																		
ZZZZZZ			00:37																		
ZZZZZZ			00:41																		
ZZZZZZ			00:45																		
ZZZZZZ			00:49																		
ZZZZZZ			00:54																		
ZZZZZZ			00:58																		
ZZZZZZ			01:02																		
ZZZZZZ			01:06																		
CCV 460-128898/103			01:11																		
CCB 460-128898/104			01:15																		
ZZZZZZ			01:19																		
ZZZZZZ			01:23																		
ZZZZZZ			01:28																		
ZZZZZZ			01:32																		
ZZZZZZ			01:36																		
ZZZZZZ			01:40																		
ZZZZZZ			01:45																		
ZZZZZZ			01:49																		
ZZZZZZ			01:53																		
ZZZZZZ			01:57																		
CCV 460-128898/115			02:01																		
CCB 460-128898/116			02:05																		
CCV 460-128898/117			02:10																		
CCB 460-128898/118			02:14																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 09/24/2012 17:52 End Date: 09/25/2012 00:35

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			17:52																				
ZZZZZZ			17:56																				
ZZZZZZ			18:00																				
ZZZZZZ			18:05																				
ZZZZZZ			18:09																				
ZZZZZZ			18:13																				
ICV 460-129165/7	1		18:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-129165/8	1		18:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-129165/9	1		18:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-129165/10	1		18:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			18:34																				
460-44765-1 DU	1	D	18:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-44765-1	1	D	18:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-44765-1 SD	5	D	18:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-44765-1 MS	1	D	18:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-44765-1 PDS	1	D	18:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-44765-2	1	D	19:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCS 460-129011/2-A	1	T	19:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 460-129165/19	1		19:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-129165/20	1		19:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			19:16																				
ZZZZZZ			19:21																				
ZZZZZZ			19:25																				
ZZZZZZ			19:29																				
ZZZZZZ			19:33																				
ZZZZZZ			19:37																				
ZZZZZZ			19:42																				
ZZZZZZ			19:46																				
ZZZZZZ			19:49																				
ZZZZZZ			19:53																				
CCV 460-129165/31	1		19:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-129165/32	1		20:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			20:06																				
460-44765-3	1	D	20:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-44765-4	1	D	20:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-44765-5	1	D	20:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			20:23																				
ZZZZZZ			20:27																				
ZZZZZZ			20:32																				
ZZZZZZ			20:36																				
ZZZZZZ			20:40																				
ZZZZZZ			20:45																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 09/24/2012 17:52 End Date: 09/25/2012 00:35

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
CCV 460-129165/43	1		20:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-129165/44	1		20:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			20:58																				
ZZZZZZ			21:02																				
ZZZZZZ			21:06																				
ZZZZZZ			21:10																				
ZZZZZZ			21:15																				
ZZZZZZ			21:19																				
ZZZZZZ			21:23																				
ZZZZZZ			21:27																				
ZZZZZZ			21:32																				
ZZZZZZ			21:36																				
CCV 460-129165/55			21:40																				
CCB 460-129165/56			21:44																				
ZZZZZZ			21:49																				
ZZZZZZ			21:53																				
ZZZZZZ			21:57																				
ZZZZZZ			22:02																				
ZZZZZZ			22:06																				
ZZZZZZ			22:10																				
ZZZZZZ			22:15																				
ZZZZZZ			22:19																				
ZZZZZZ			22:23																				
ZZZZZZ			22:27																				
CCV 460-129165/67			22:31																				
CCB 460-129165/68			22:35																				
ZZZZZZ			22:40																				
ZZZZZZ			22:44																				
ZZZZZZ			22:48																				
ZZZZZZ			22:52																				
ZZZZZZ			22:56																				
ZZZZZZ			23:00																				
ZZZZZZ			23:05																				
ZZZZZZ			23:09																				
ZZZZZZ			23:13																				
ZZZZZZ			23:18																				
CCV 460-129165/79			23:22																				
CCB 460-129165/80			23:26																				
ZZZZZZ			23:30																				
ZZZZZZ			23:35																				
ZZZZZZ			23:39																				
ZZZZZZ			23:43																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 09/24/2012 17:52 End Date: 09/25/2012 00:35

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			23:47																			
ZZZZZZ			23:52																			
ZZZZZZ			23:56																			
ZZZZZZ			00:00																			
ZZZZZZ			00:05																			
ZZZZZZ			00:09																			
CCV 460-129165/91			00:14																			
CCB 460-129165/92			00:18																			
ZZZZZZ			00:22																			
ZZZZZZ			00:27																			
CCV 460-129165/95			00:31																			
CCB 460-129165/96			00:35																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 09/24/2012 17:52 End Date: 09/25/2012 00:35

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			17:52																		
ZZZZZZ			17:56																		
ZZZZZZ			18:00																		
ZZZZZZ			18:05																		
ZZZZZZ			18:09																		
ZZZZZZ			18:13																		
ICV 460-129165/7	1		18:17	X	X																
ICB 460-129165/8	1		18:21	X	X																
ICSA 460-129165/9	1		18:26	X	X																
ICSAB 460-129165/10	1		18:30	X	X																
ZZZZZZ			18:34																		
460-44765-1 DU	1	D	18:39	X	X																
460-44765-1	1	D	18:43	X	X																
460-44765-1 SD	5	D	18:47	X	X																
460-44765-1 MS	1	D	18:52	X	X																
460-44765-1 PDS	1	D	18:56	X	X																
460-44765-2	1	D	19:00	X	X																
LCS 460-129011/2-A	1	T	19:04	X	X																
CCV 460-129165/19	1		19:08	X	X																
CCB 460-129165/20	1		19:12	X	X																
ZZZZZZ			19:16																		
ZZZZZZ			19:21																		
ZZZZZZ			19:25																		
ZZZZZZ			19:29																		
ZZZZZZ			19:33																		
ZZZZZZ			19:37																		
ZZZZZZ			19:42																		
ZZZZZZ			19:46																		
ZZZZZZ			19:49																		
ZZZZZZ			19:53																		
CCV 460-129165/31	1		19:58	X	X																
CCB 460-129165/32	1		20:02	X	X																
ZZZZZZ			20:06																		
460-44765-3	1	D	20:10	X	X																
460-44765-4	1	D	20:15	X	X																
460-44765-5	1	D	20:19	X	X																
ZZZZZZ			20:23																		
ZZZZZZ			20:27																		
ZZZZZZ			20:32																		
ZZZZZZ			20:36																		
ZZZZZZ			20:40																		
ZZZZZZ			20:45																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 09/24/2012 17:52 End Date: 09/25/2012 00:35

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCV 460-129165/43	1		20:49	X	X																
CCB 460-129165/44	1		20:53	X	X																
ZZZZZZ			20:58																		
ZZZZZZ			21:02																		
ZZZZZZ			21:06																		
ZZZZZZ			21:10																		
ZZZZZZ			21:15																		
ZZZZZZ			21:19																		
ZZZZZZ			21:23																		
ZZZZZZ			21:27																		
ZZZZZZ			21:32																		
ZZZZZZ			21:36																		
CCV 460-129165/55			21:40																		
CCB 460-129165/56			21:44																		
ZZZZZZ			21:49																		
ZZZZZZ			21:53																		
ZZZZZZ			21:57																		
ZZZZZZ			22:02																		
ZZZZZZ			22:06																		
ZZZZZZ			22:10																		
ZZZZZZ			22:15																		
ZZZZZZ			22:19																		
ZZZZZZ			22:23																		
ZZZZZZ			22:27																		
CCV 460-129165/67			22:31																		
CCB 460-129165/68			22:35																		
ZZZZZZ			22:40																		
ZZZZZZ			22:44																		
ZZZZZZ			22:48																		
ZZZZZZ			22:52																		
ZZZZZZ			22:56																		
ZZZZZZ			23:00																		
ZZZZZZ			23:05																		
ZZZZZZ			23:09																		
ZZZZZZ			23:13																		
ZZZZZZ			23:18																		
CCV 460-129165/79			23:22																		
CCB 460-129165/80			23:26																		
ZZZZZZ			23:30																		
ZZZZZZ			23:35																		
ZZZZZZ			23:39																		
ZZZZZZ			23:43																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 09/24/2012 17:52 End Date: 09/25/2012 00:35

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			23:47																		
ZZZZZZ			23:52																		
ZZZZZZ			23:56																		
ZZZZZZ			00:00																		
ZZZZZZ			00:05																		
ZZZZZZ			00:09																		
CCV 460-129165/91			00:14																		
CCB 460-129165/92			00:18																		
ZZZZZZ			00:22																		
ZZZZZZ			00:27																		
CCV 460-129165/95			00:31																		
CCB 460-129165/96			00:35																		

Prep Types

D = Dissolved

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 09/25/2012 11:00 End Date: 09/25/2012 17:51

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			11:00																				
ZZZZZZ			11:04																				
ZZZZZZ			11:09																				
ZZZZZZ			11:13																				
ZZZZZZ			11:17																				
ZZZZZZ			11:21																				
ICV 460-129268/7	1		11:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-129268/8	1		11:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-129268/9	1		11:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-129268/10	1		11:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			11:42																				
ZZZZZZ			11:47																				
ZZZZZZ			11:51																				
ZZZZZZ			11:55																				
ZZZZZZ			12:00																				
ZZZZZZ			12:03																				
ZZZZZZ			12:07																				
ZZZZZZ			12:12																				
CCV 460-129268/19			12:16																				
CCB 460-129268/20			12:20																				
ZZZZZZ			12:24																				
ZZZZZZ			12:28																				
ZZZZZZ			12:33																				
ZZZZZZ			12:37																				
ZZZZZZ			12:41																				
ZZZZZZ			12:46																				
ZZZZZZ			12:50																				
ZZZZZZ			12:54																				
ZZZZZZ			12:58																				
ZZZZZZ			13:03																				
CCV 460-129268/31	1		13:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-129268/32	1		13:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			13:15																				
ZZZZZZ			13:19																				
ZZZZZZ			13:24																				
ZZZZZZ			13:28																				
ZZZZZZ			13:32																				
MB 460-128864/1-F	1	D	13:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			13:41																				
ZZZZZZ			13:45																				
ZZZZZZ			13:50																				
ZZZZZZ			13:54																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 09/25/2012 11:00 End Date: 09/25/2012 17:51

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
CCV 460-129268/43	1		13:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-129268/44	1		14:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:06																				
ZZZZZZ			14:11																				
ZZZZZZ			14:15																				
ZZZZZZ			14:20																				
ZZZZZZ			14:24																				
ZZZZZZ			14:28																				
ZZZZZZ			14:33																				
ZZZZZZ			14:37																				
ZZZZZZ			14:41																				
ZZZZZZ			14:45																				
CCV 460-129268/55			14:49																				
CCB 460-129268/56			14:54																				
ZZZZZZ			14:58																				
ZZZZZZ			15:02																				
ZZZZZZ			15:06																				
ZZZZZZ			15:11																				
ZZZZZZ			15:15																				
ZZZZZZ			15:19																				
ZZZZZZ			15:23																				
ZZZZZZ			15:27																				
ZZZZZZ			15:32																				
ZZZZZZ			15:36																				
CCV 460-129268/67			15:41																				
CCB 460-129268/68			15:45																				
ZZZZZZ			16:02																				
ZZZZZZ			16:06																				
ZZZZZZ			16:10																				
ZZZZZZ			16:15																				
ZZZZZZ			16:19																				
ZZZZZZ			16:23																				
ZZZZZZ			16:27																				
ZZZZZZ			16:31																				
ZZZZZZ			16:35																				
ZZZZZZ			16:39																				
CCV 460-129268/79			16:44																				
CCB 460-129268/80			16:48																				
ZZZZZZ			16:52																				
ZZZZZZ			16:56																				
ZZZZZZ			17:01																				
ZZZZZZ			17:05																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 09/25/2012 11:00 End Date: 09/25/2012 17:51

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			17:09																			
ZZZZZZ			17:13																			
ZZZZZZ			17:17																			
ZZZZZZ			17:21																			
ZZZZZZ			17:26																			
ZZZZZZ			17:30																			
CCV 460-129268/91			17:34																			
CCB 460-129268/92			17:38																			
ZZZZZZ			17:42																			
CCV 460-129268/94			17:47																			
CCB 460-129268/95			17:51																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 09/25/2012 11:00 End Date: 09/25/2012 17:51

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			11:00																		
ZZZZZZ			11:04																		
ZZZZZZ			11:09																		
ZZZZZZ			11:13																		
ZZZZZZ			11:17																		
ZZZZZZ			11:21																		
ICV 460-129268/7	1		11:25	X	X																
ICB 460-129268/8	1		11:29	X	X																
ICSA 460-129268/9	1		11:34	X	X																
ICSAB 460-129268/10	1		11:38	X	X																
ZZZZZZ			11:42																		
ZZZZZZ			11:47																		
ZZZZZZ			11:51																		
ZZZZZZ			11:55																		
ZZZZZZ			12:00																		
ZZZZZZ			12:03																		
ZZZZZZ			12:07																		
ZZZZZZ			12:12																		
CCV 460-129268/19			12:16																		
CCB 460-129268/20			12:20																		
ZZZZZZ			12:24																		
ZZZZZZ			12:28																		
ZZZZZZ			12:33																		
ZZZZZZ			12:37																		
ZZZZZZ			12:41																		
ZZZZZZ			12:46																		
ZZZZZZ			12:50																		
ZZZZZZ			12:54																		
ZZZZZZ			12:58																		
ZZZZZZ			13:03																		
CCV 460-129268/31	1		13:07	X	X																
CCB 460-129268/32	1		13:11	X	X																
ZZZZZZ			13:15																		
ZZZZZZ			13:19																		
ZZZZZZ			13:24																		
ZZZZZZ			13:28																		
ZZZZZZ			13:32																		
MB 460-128864/1-F	1	D	13:37	X	X																
ZZZZZZ			13:41																		
ZZZZZZ			13:45																		
ZZZZZZ			13:50																		
ZZZZZZ			13:54																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 09/25/2012 11:00 End Date: 09/25/2012 17:51

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCV 460-129268/43	1		13:58	X	X																
CCB 460-129268/44	1		14:02	X	X																
ZZZZZZ			14:06																		
ZZZZZZ			14:11																		
ZZZZZZ			14:15																		
ZZZZZZ			14:20																		
ZZZZZZ			14:24																		
ZZZZZZ			14:28																		
ZZZZZZ			14:33																		
ZZZZZZ			14:37																		
ZZZZZZ			14:41																		
ZZZZZZ			14:45																		
CCV 460-129268/55			14:49																		
CCB 460-129268/56			14:54																		
ZZZZZZ			14:58																		
ZZZZZZ			15:02																		
ZZZZZZ			15:06																		
ZZZZZZ			15:11																		
ZZZZZZ			15:15																		
ZZZZZZ			15:19																		
ZZZZZZ			15:23																		
ZZZZZZ			15:27																		
ZZZZZZ			15:32																		
ZZZZZZ			15:36																		
CCV 460-129268/67			15:41																		
CCB 460-129268/68			15:45																		
ZZZZZZ			16:02																		
ZZZZZZ			16:06																		
ZZZZZZ			16:10																		
ZZZZZZ			16:15																		
ZZZZZZ			16:19																		
ZZZZZZ			16:23																		
ZZZZZZ			16:27																		
ZZZZZZ			16:31																		
ZZZZZZ			16:35																		
ZZZZZZ			16:39																		
CCV 460-129268/79			16:44																		
CCB 460-129268/80			16:48																		
ZZZZZZ			16:52																		
ZZZZZZ			16:56																		
ZZZZZZ			17:01																		
ZZZZZZ			17:05																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 09/25/2012 11:00 End Date: 09/25/2012 17:51

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			17:09																		
ZZZZZZ			17:13																		
ZZZZZZ			17:17																		
ZZZZZZ			17:21																		
ZZZZZZ			17:26																		
ZZZZZZ			17:30																		
CCV 460-129268/91			17:34																		
CCB 460-129268/92			17:38																		
ZZZZZZ			17:42																		
CCV 460-129268/94			17:47																		
CCB 460-129268/95			17:51																		

Prep Types

D = Dissolved

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: LEEMAN5 Method: 7470A

Start Date: 09/19/2012 19:21 End Date: 09/19/2012 22:11

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZSTD01REP1			19:21	X															
460-128519/1 IC																			
IC 460-128489/1-A			19:26	X															
IC 460-128489/2-A			19:28	X															
IC 460-128489/3-A			19:30	X															
IC 460-128489/4-A			19:32	X															
IC 460-128489/5-A			19:33	X															
IC 460-128489/6-A			19:35	X															
ICV 460-128489/7-A	1		19:37	X															
ICB 460-128519/9	1		19:39	X															
ZZZZZZ			19:41																
MB 460-128489/11-A	1	T	19:43	X															
LCS 460-128489/12-A	1	T	19:45	X															
ZZZZZZ			19:47																
460-44761-H-1-C DU	1	T	19:49	X															
460-44761-H-1-D MS	1	T	19:51	X															
ZZZZZZ			19:54																
ZZZZZZ			19:56																
ZZZZZZ			19:58																
ZZZZZZ			20:00																
CCV 460-128489/8-A	1		20:02	X															
CCB 460-128489/9-A	1		20:04	X															
ZZZZZZ			20:05																
ZZZZZZ			20:07																
ZZZZZZ			20:09																
ZZZZZZ			20:11																
ZZZZZZ			20:13																
ZZZZZZ			20:15																
ZZZZZZ			20:17																
ZZZZZZ			20:19																
ZZZZZZ			20:21																
ZZZZZZ			20:22																
CCV 460-128489/8-A	1		20:24	X															
CCB 460-128489/9-A	1		20:27	X															
460-44765-1	1	T	20:29	X															
460-44765-2	1	T	20:30	X															
460-44765-3	1	T	20:32	X															
460-44765-4	1	T	20:34	X															
460-44765-5	1	T	20:36	X															
460-44761-H-1-B SD ^5	5	T	20:38	X															
CCV 460-128489/8-A	1		20:40	X															
CCB 460-128489/9-A	1		20:42	X															

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: LEEMAN5 Method: 7470A

Start Date: 09/19/2012 19:21 End Date: 09/19/2012 22:11

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			20:44																
ZZZZZZ			20:45																
ZZZZZZ			20:47																
ZZZZZZ			20:49																
ZZZZZZ			20:51																
ZZZZZZ			20:53																
ZZZZZZ			20:55																
ZZZZZZ			20:56																
ZZZZZZ			20:58																
ZZZZZZ			21:00																
CCV 460-128489/8-A			21:02																
CCB 460-128489/9-A			21:03																
ZZZZZZ			21:05																
ZZZZZZ			21:07																
ZZZZZZ			21:09																
ZZZZZZ			21:11																
ZZZZZZ			21:13																
ZZZZZZ			21:15																
ZZZZZZ			21:18																
ZZZZZZ			21:19																
ZZZZZZ			21:21																
ZZZZZZ			21:23																
CCV 460-128489/8-A			21:25																
CCB 460-128489/9-A			21:27																
ZZZZZZ			21:29																
ZZZZZZ			21:31																
ZZZZZZ			21:33																
ZZZZZZ			21:35																
ZZZZZZ			21:37																
CCV 460-128489/8-A			21:39																
CCB 460-128489/9-A			21:41																
ZZZZZZ			21:42																
ZZZZZZ			21:44																
ZZZZZZ			21:46																
ZZZZZZ			21:48																
ZZZZZZ			21:51																
ZZZZZZ			21:53																
CCV 460-128489/8-A			21:55																
CCB 460-128489/9-A			21:57																
ZZZZZZ			21:59																
ZZZZZZ			22:01																
ZZZZZZ			22:03																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: LEEMAN5 Method: 7470A

Start Date: 09/19/2012 19:21 End Date: 09/19/2012 22:11

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
ZZZZZZ			22:05																		
ZZZZZZ			22:07																		
CCV 460-128489/8-A			22:09																		
CCB 460-128489/9-A			22:11																		

Prep Types

P = TCLP

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: LEEMAN5 Method: 7470A

Start Date: 09/21/2012 19:48 End Date: 09/21/2012 21:54

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
IC 460-128876/1-A			19:48	X																	
IC 460-128876/2-A			19:50	X																	
IC 460-128876/3-A			19:53	X																	
IC 460-128876/4-A			19:55	X																	
IC 460-128876/5-A			19:57	X																	
IC 460-128876/6-A			19:59	X																	
ICV 460-128876/7-A	1		20:01	X																	
ICB 460-128892/8	1		20:03	X																	
ZZZZZZ			20:05																		
ZZZZZZ			20:07																		
ZZZZZZ			20:10																		
ZZZZZZ			20:12																		
ZZZZZZ			20:14																		
ZZZZZZ			20:15																		
ZZZZZZ			20:17																		
ZZZZZZ			20:19																		
ZZZZZZ			20:22																		
ZZZZZZ			20:23																		
CCV 460-128876/8-A			20:26																		
CCB 460-128876/9-A			20:27																		
ZZZZZZ			20:29																		
ZZZZZZ			20:32																		
ZZZZZZ			20:33																		
ZZZZZZ			20:35																		
ZZZZZZ			20:37																		
ZZZZZZ			20:39																		
ZZZZZZ			20:41																		
ZZZZZZ			20:43																		
ZZZZZZ			20:45																		
ZZZZZZ			20:47																		
CCV 460-128876/8-A			20:49																		
CCB 460-128876/9-A			20:51																		
ZZZZZZ			20:53																		
ZZZZZZ			20:55																		
ZZZZZZ			20:57																		
ZZZZZZ			20:59																		
ZZZZZZ			21:00																		
ZZZZZZ			21:02																		
CCV 460-128876/8-A	1		21:05	X																	
CCB 460-128876/9-A	1		21:07	X																	
MB 460-128864/1-B	1	D	21:09	X																	
LCS 460-128878/11-A	1	T	21:11	X																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Instrument ID: LEEMAN5 Method: 7470A

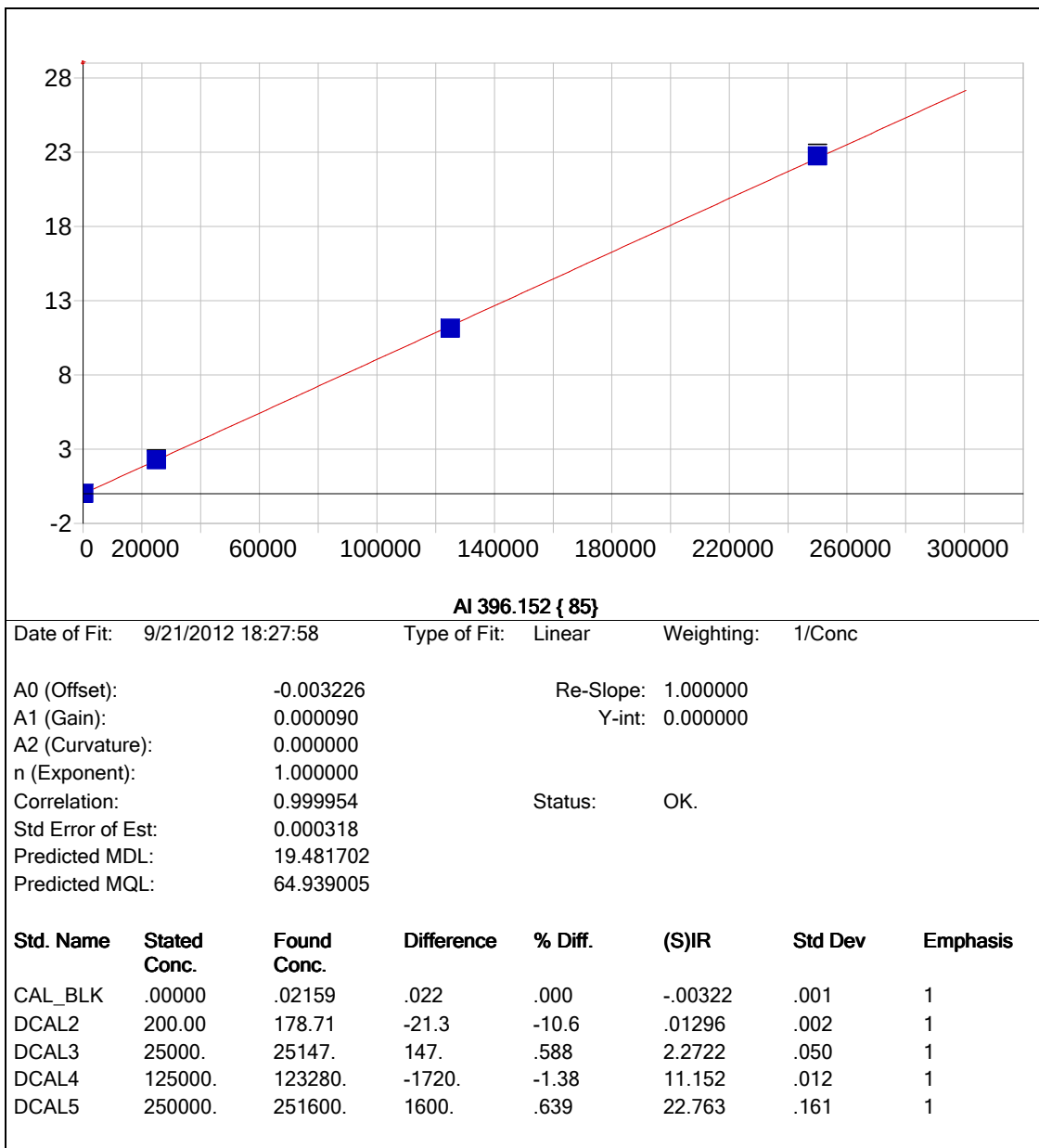
Start Date: 09/21/2012 19:48 End Date: 09/21/2012 21:54

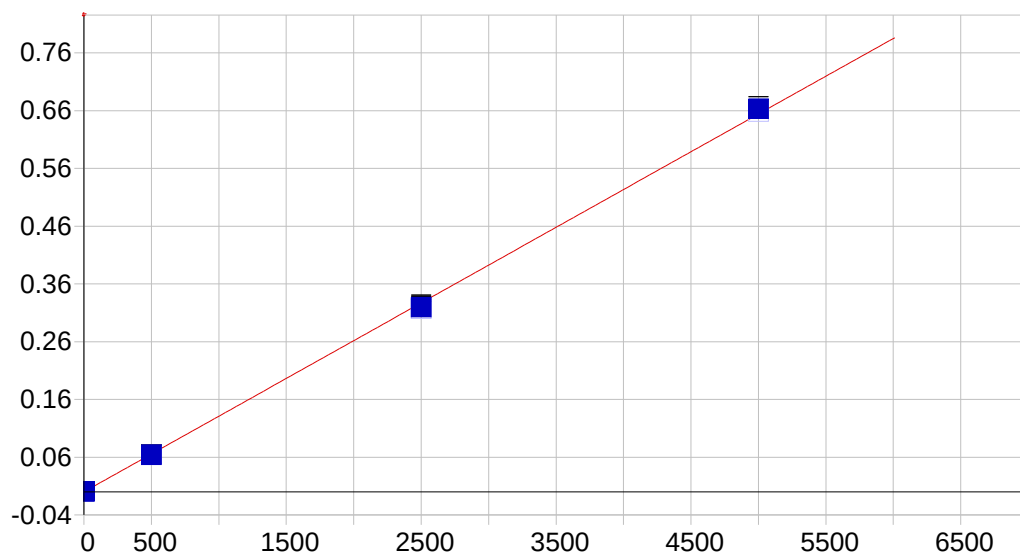
Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			21:13																
460-44876-E-1-C DU	1	D	21:15	X															
460-44876-E-1-D MS	1	D	21:17	X															
ZZZZZZ			21:19																
ZZZZZZ			21:20																
ZZZZZZ			21:22																
ZZZZZZ			21:24																
460-44765-1	1	D	21:26	X															
CCV 460-128876/8-A	1		21:28	X															
CCB 460-128876/9-A	1		21:30	X															
460-44765-2	1	D	21:32	X															
460-44765-3	1	D	21:34	X															
460-44765-4	1	D	21:36	X															
460-44765-5	1	D	21:38	X															
ZZZZZZ			21:40																
ZZZZZZ			21:42																
ZZZZZZ			21:44																
ZZZZZZ			21:46																
ZZZZZZ			21:48																
460-44876-E-1-B SD ^5	5	D	21:50	X															
CCV 460-128876/8-A	1		21:52	X															
CCB 460-128876/9-A	1		21:54	X															

Prep Types

D = Dissolved

T = Total/NA



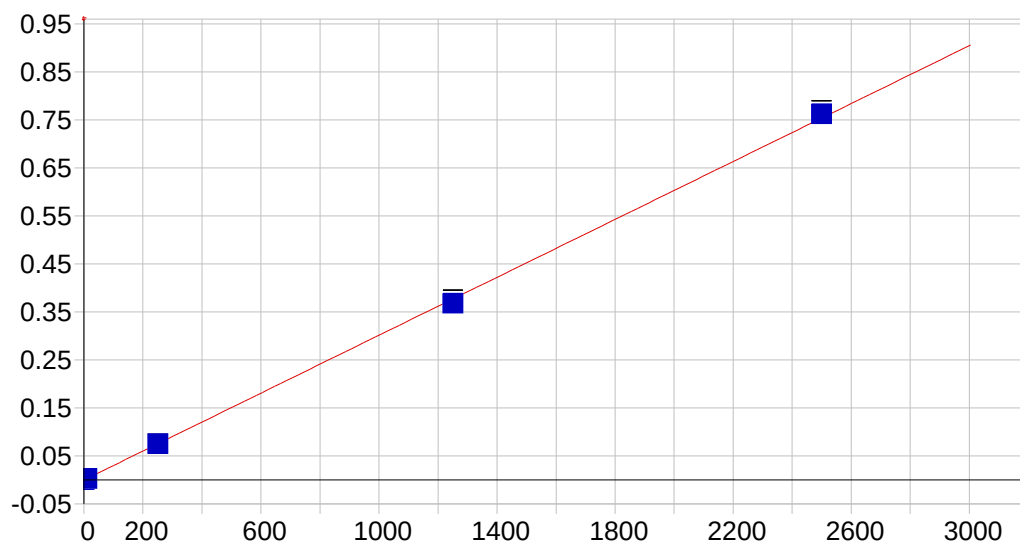


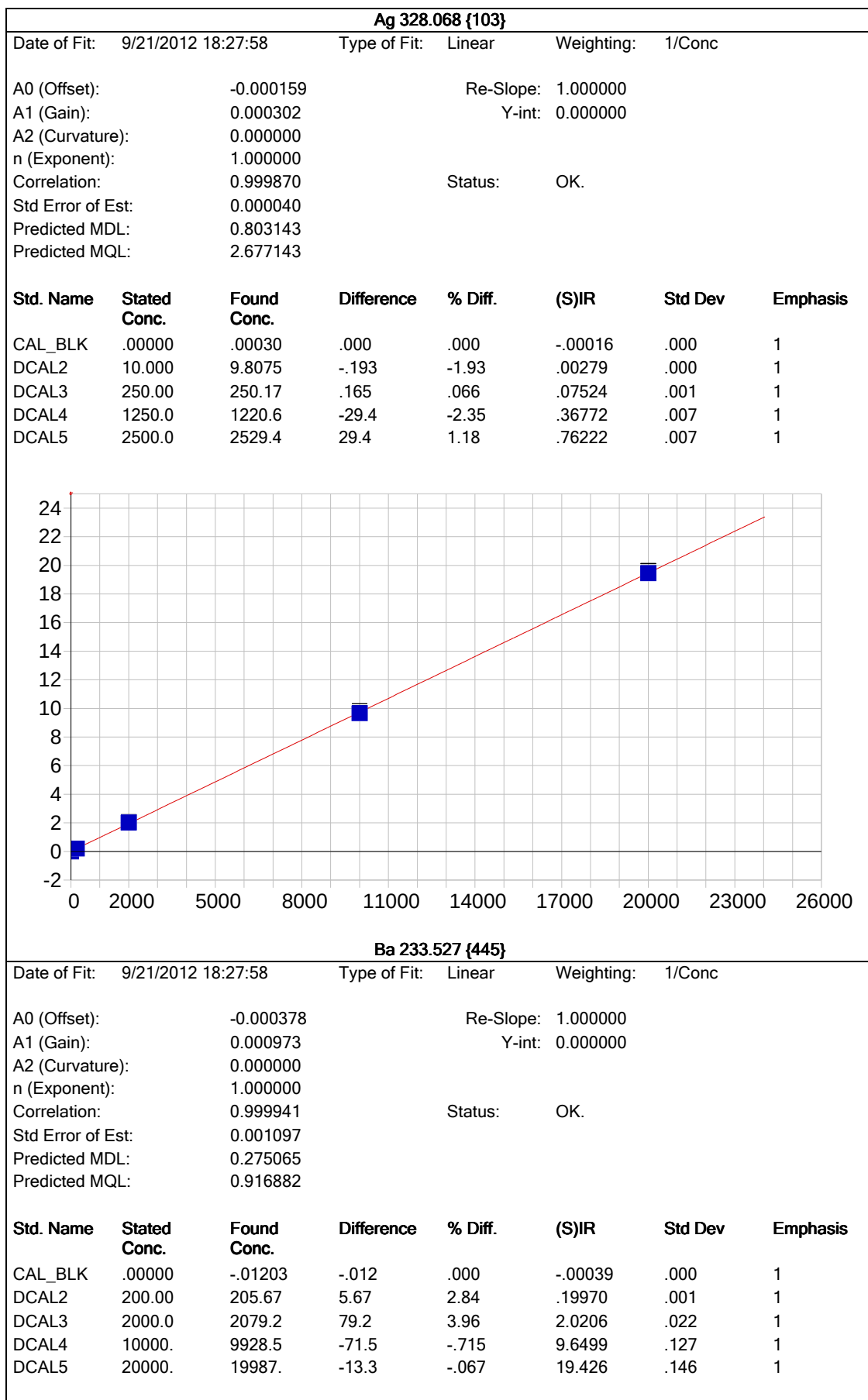
As 189.042 [478]

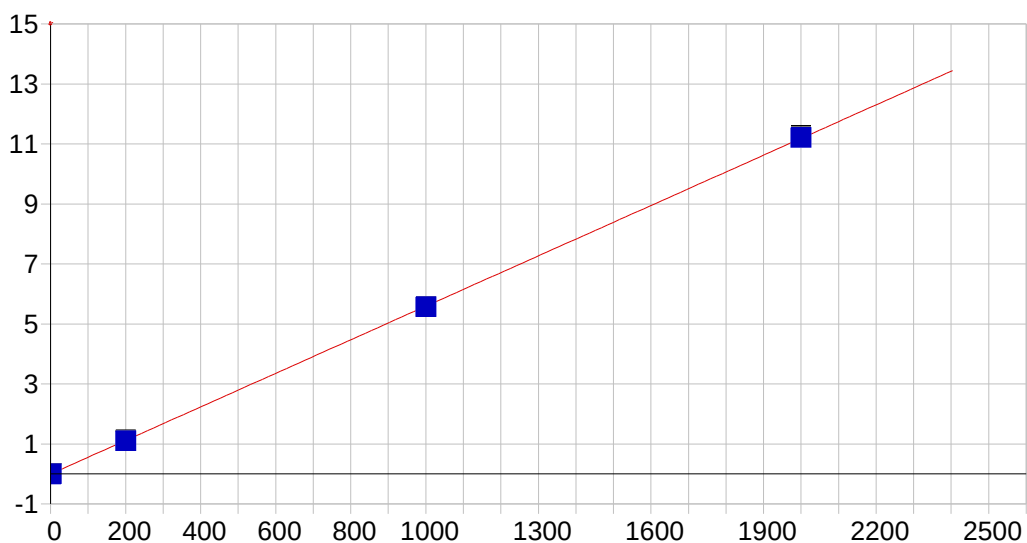
Date of Fit: 9/21/2012 18:27:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000039 Re-Slope: 1.000000
 A1 (Gain): 0.000131 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999775 Status: OK.
 Std Error of Est: 0.000023
 Predicted MDL: 1.837094
 Predicted MQL: 6.123646

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00204	-.002	.000	.00004	.000	1
DCAL2	5.0000	7.2055	2.21	44.1	.00097	.000	1
DCAL3	500.00	488.61	-11.4	-2.28	.06348	.001	1
DCAL4	2500.0	2441.0	-59.0	-2.36	.31696	.004	1
DCAL5	5000.0	5068.2	68.2	1.36	.65823	.004	1





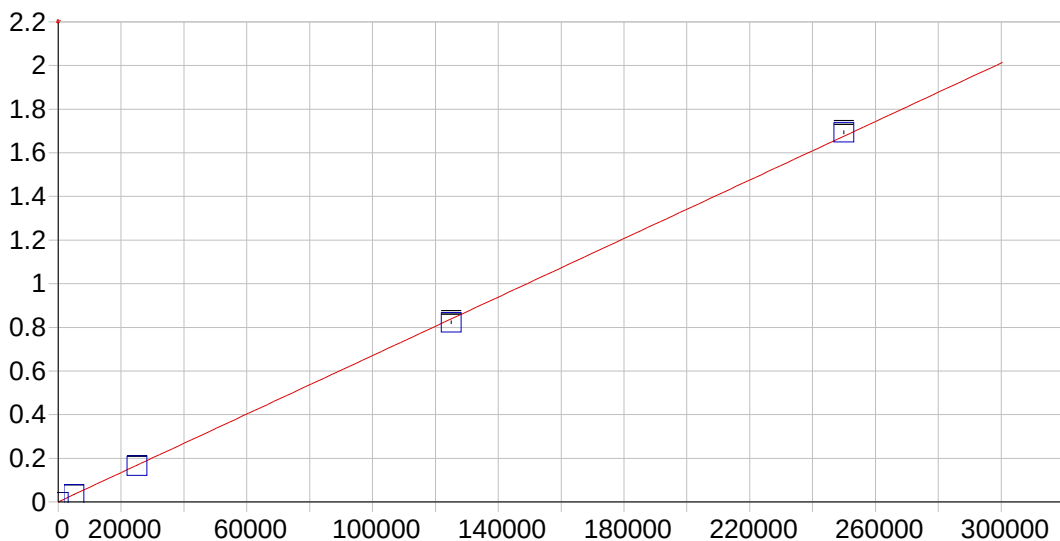


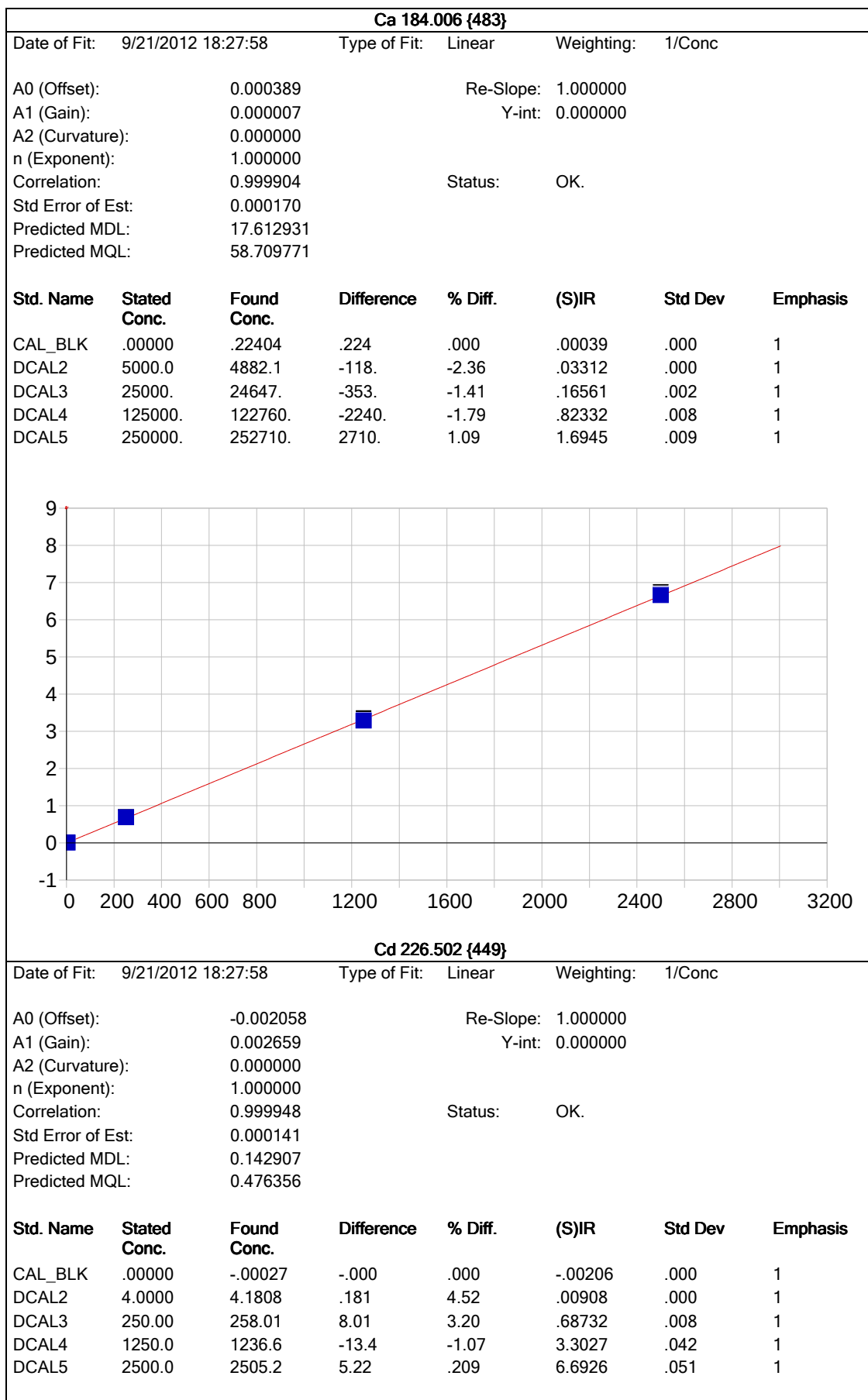
Be 313.042 {108}

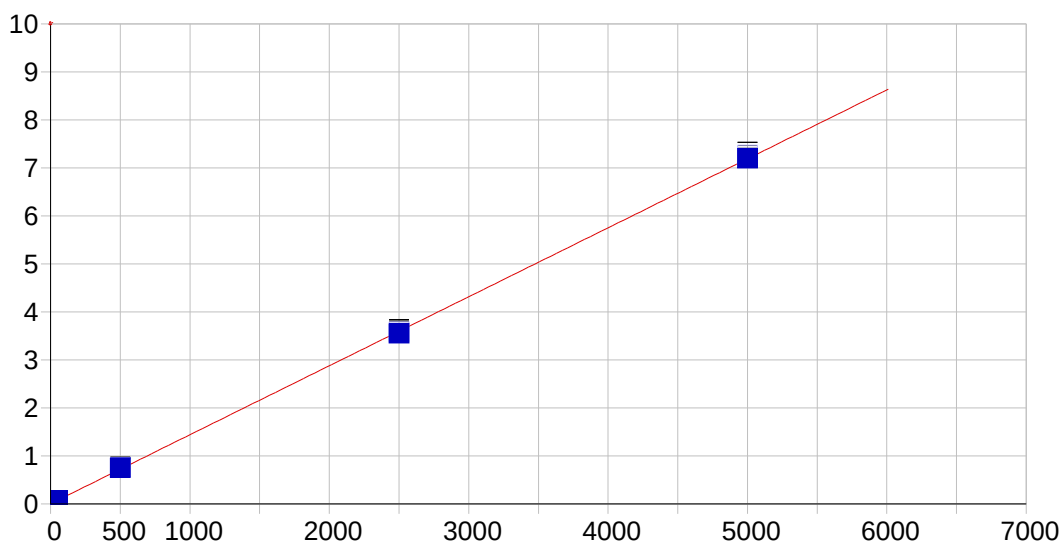
Date of Fit: 9/21/2012 18:27:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.004228 Re-Slope: 1.000000
 A1 (Gain): 0.005594 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999994 Status: OK.
 Std Error of Est: 0.000061
 Predicted MDL: 0.147607
 Predicted MQL: 0.492024

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00009	-.000	.000	-.00423	.000	1
DCAL2	2.0000	2.1042	.104	5.21	.00758	.001	1
DCAL3	200.00	198.48	-1.52	-.758	1.1050	.020	1
DCAL4	1000.0	996.95	-3.05	-.305	5.5675	.007	1
DCAL5	2000.0	2004.5	4.46	.223	11.198	.074	1





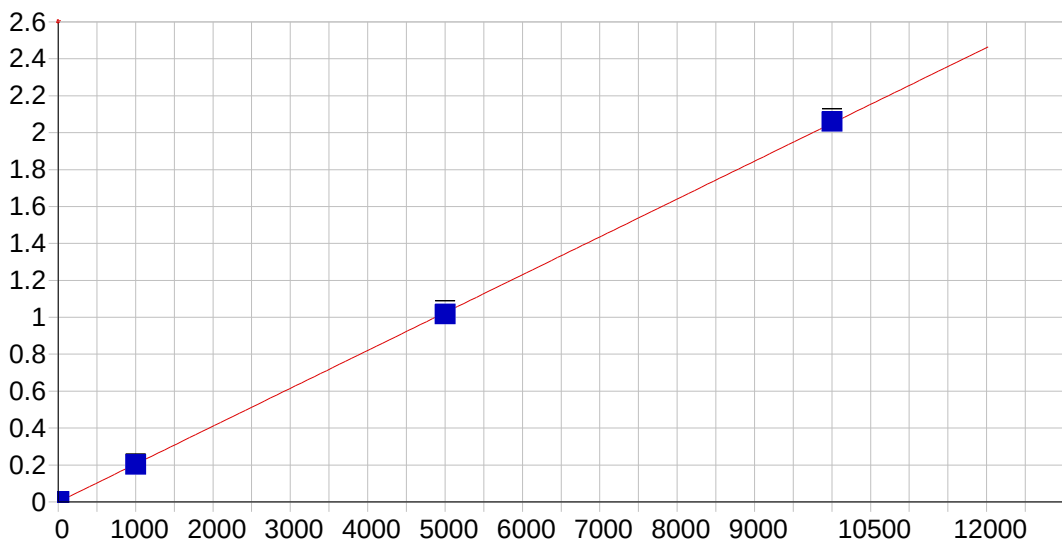


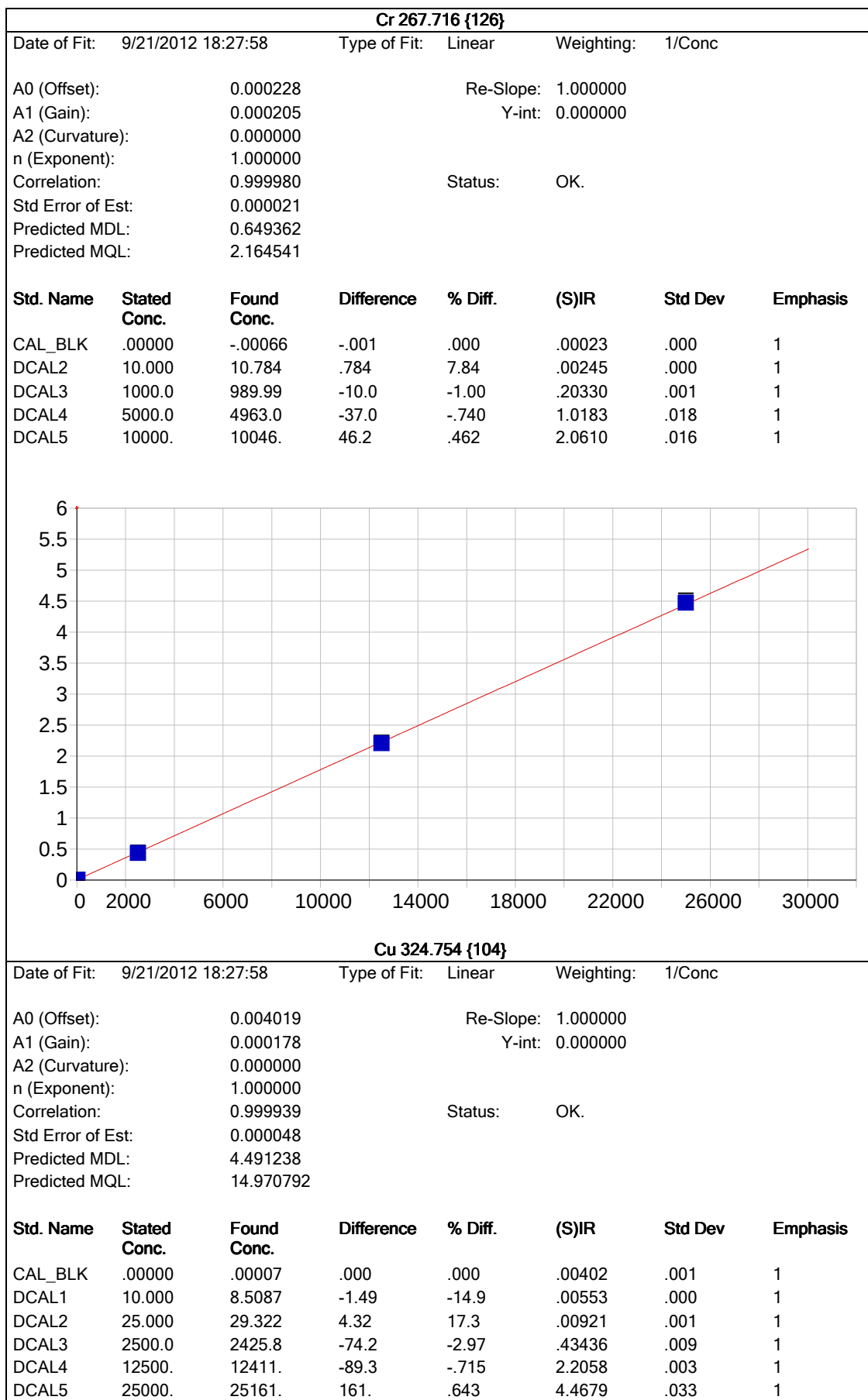
Co 228.616 {447}

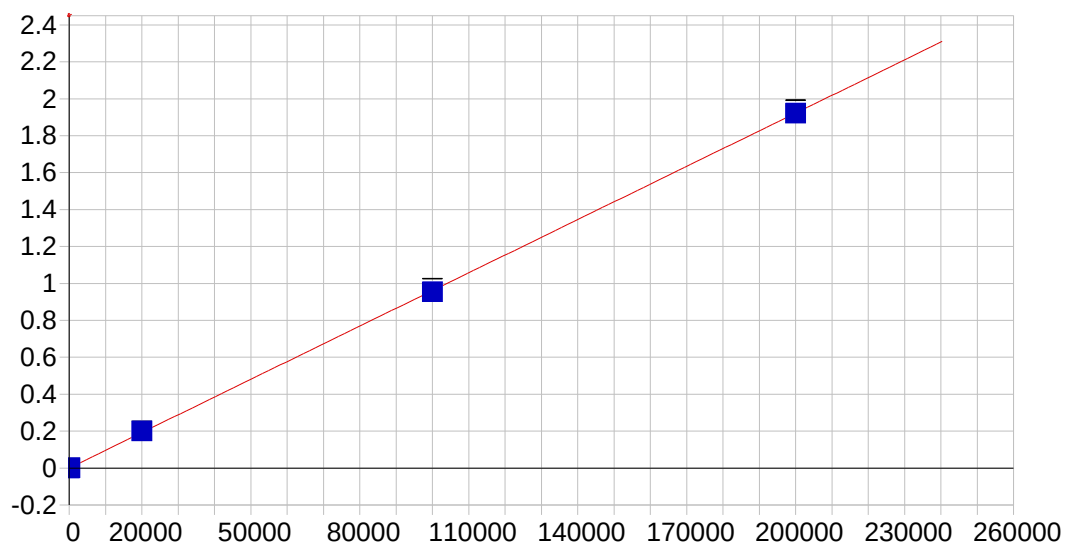
Date of Fit: 9/21/2012 18:27:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004233 Re-Slope: 1.000000
 A1 (Gain): 0.001437 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999918 Status: OK.
 Std Error of Est: 0.000480
 Predicted MDL: 0.309186
 Predicted MQL: 1.030620

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00330	-.003	.000	.00423	.000	1
DCAL2	50.000	51.676	1.68	3.35	.07855	.000	1
DCAL3	500.00	521.52	21.5	4.30	.76041	.009	1
DCAL4	2500.0	2470.4	-29.6	-1.19	3.5879	.045	1
DCAL5	5000.0	5006.4	6.44	.129	7.2660	.063	1





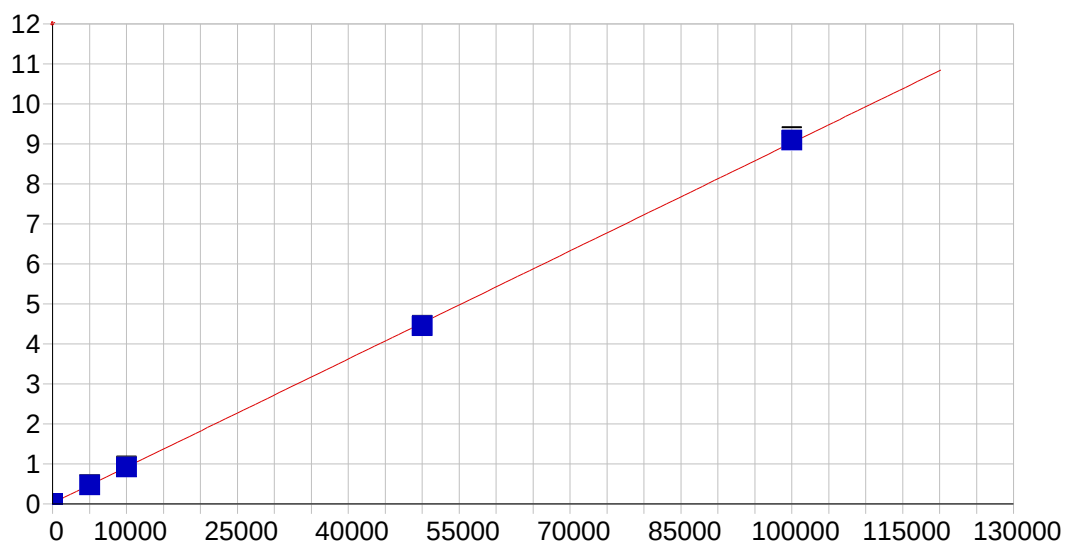


Fe 271.441 {124}

Date of Fit: 9/21/2012 18:27:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000113	Re-Slope:	1.000000
A1 (Gain):	0.000010	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999928	Status:	OK.
Std Error of Est:	0.000025		
Predicted MDL:	14.418759		
Predicted MQL:	48.062530		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.01415	-.014	.000	.00011	.000	1
DCAL1	100.00	106.85	6.85	6.85	.00114	.000	1
DCAL2	150.00	155.44	5.44	3.63	.00165	.000	1
DCAL3	20000.	20897.	897.	4.49	.20140	.002	1
DCAL4	100000.	99277.	-723.	-.723	.95648	.017	1
DCAL5	200000.	199810.	-187.	-.093	1.9249	.016	1

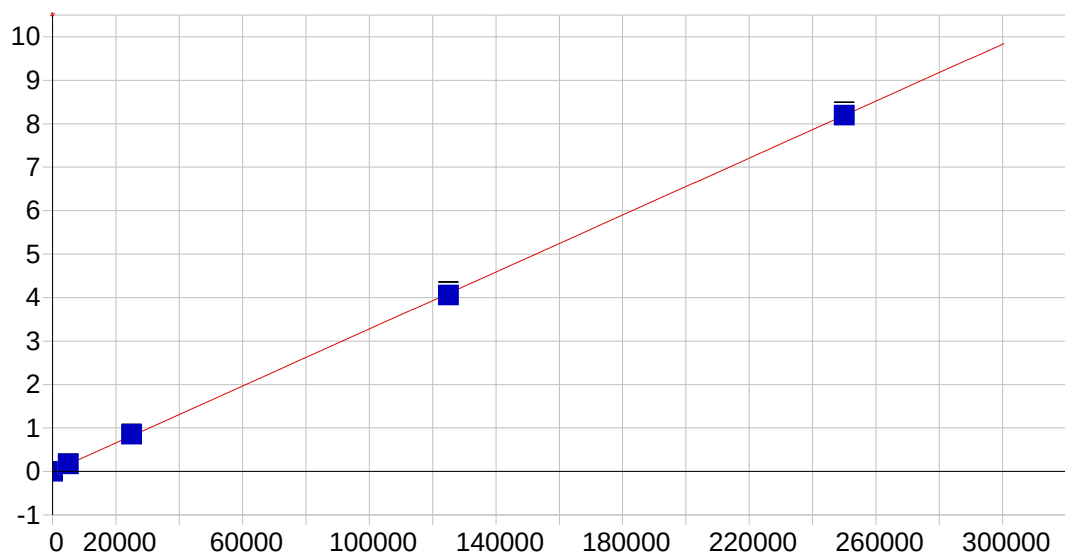


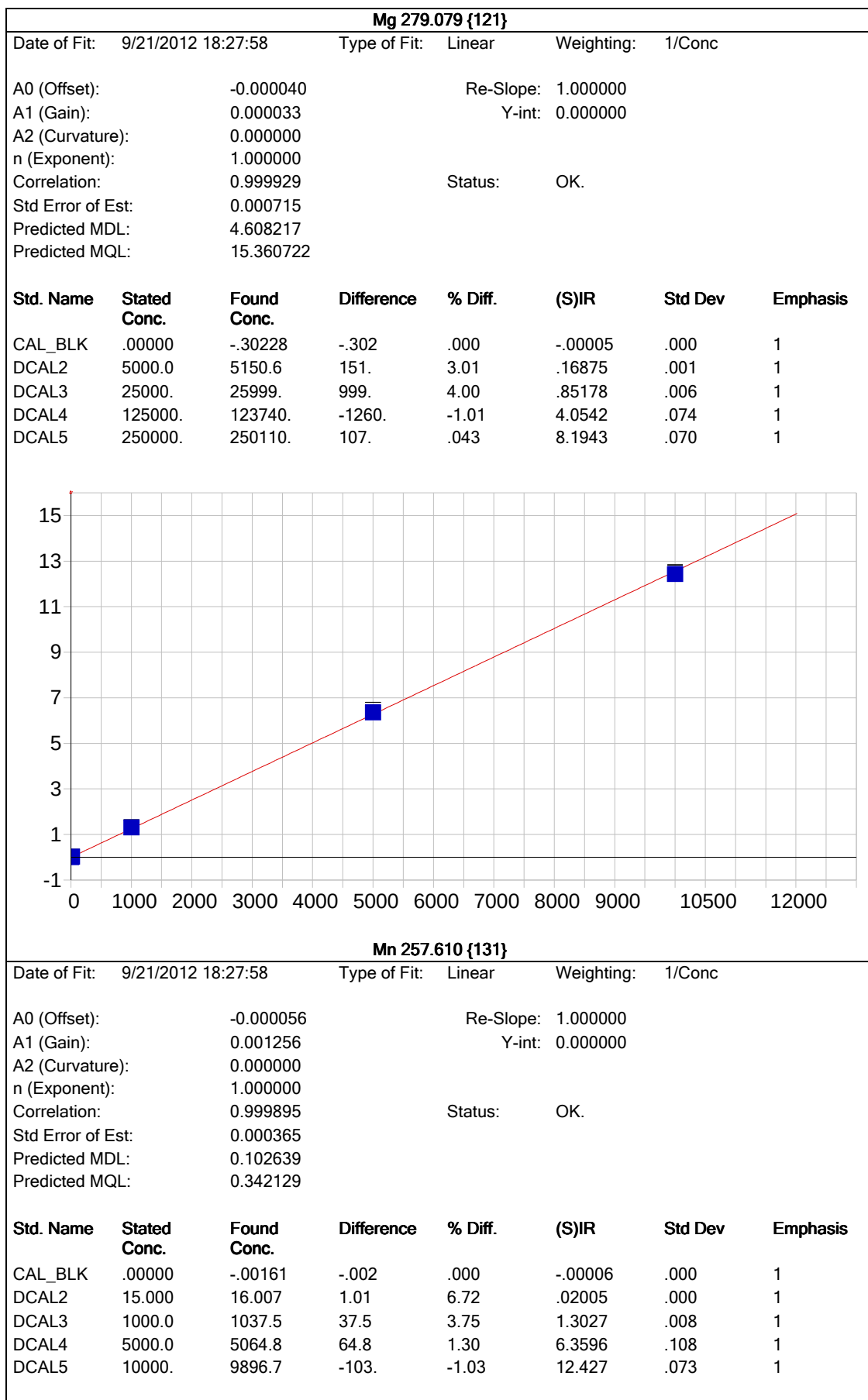
K 766.490 { 44}

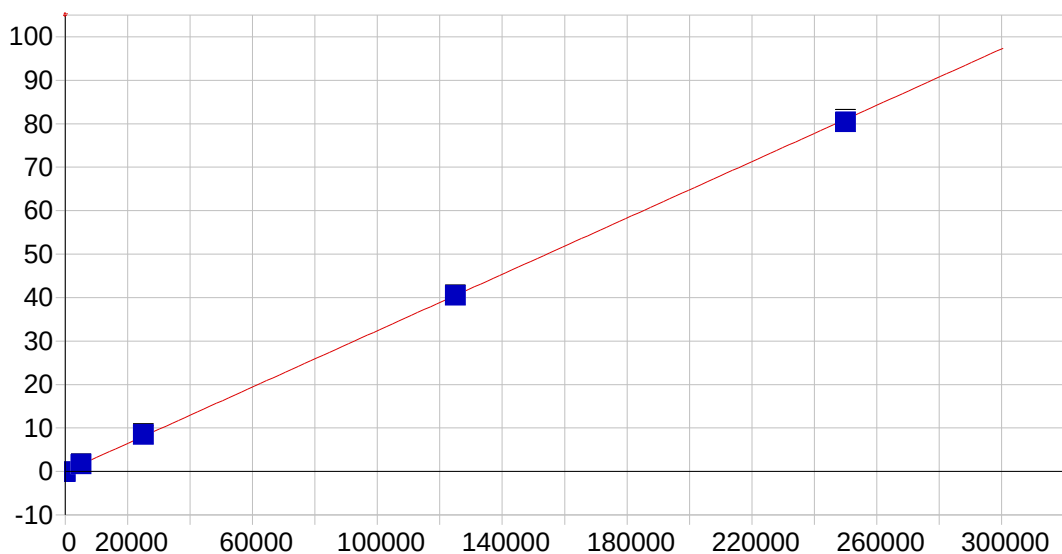
Date of Fit: 9/21/2012 18:27:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.018879 Re-Slope: 1.000000
 A1 (Gain): 0.000090 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999945 Status: OK.
 Std Error of Est: 0.001102
 Predicted MDL: 38.733821
 Predicted MQL: 129.112735

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.03036	.030	.000	.01888	.004	1
DCAL2	5000.0	4998.0	-1.96	-.039	.46912	.009	1
DCAL3	10000.	10023.	23.4	.234	.92055	.019	1
DCAL4	50000.	49220.	-780.	-1.56	4.4464	.013	1
DCAL5	100000.	100760.	759.	.759	9.0829	.080	1





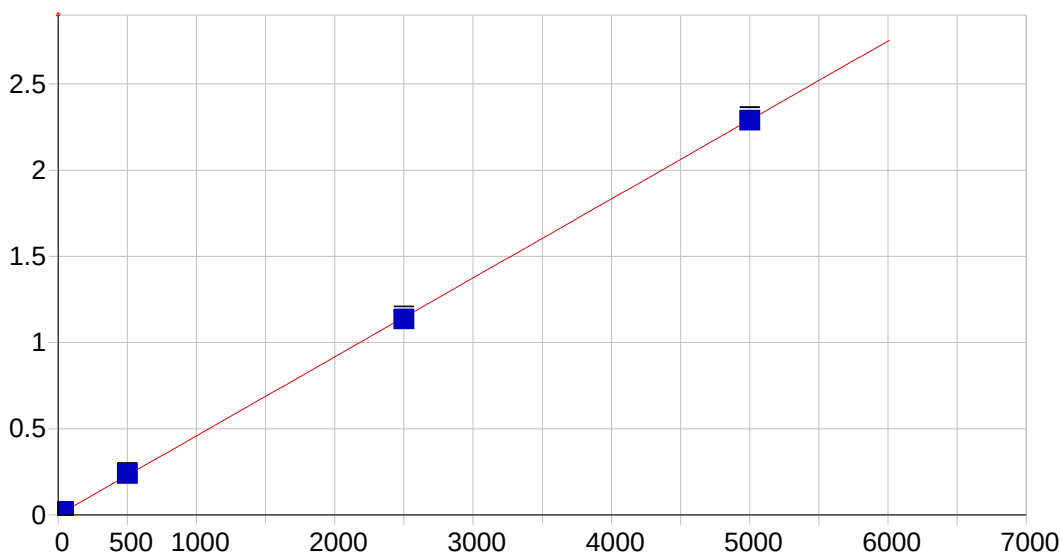


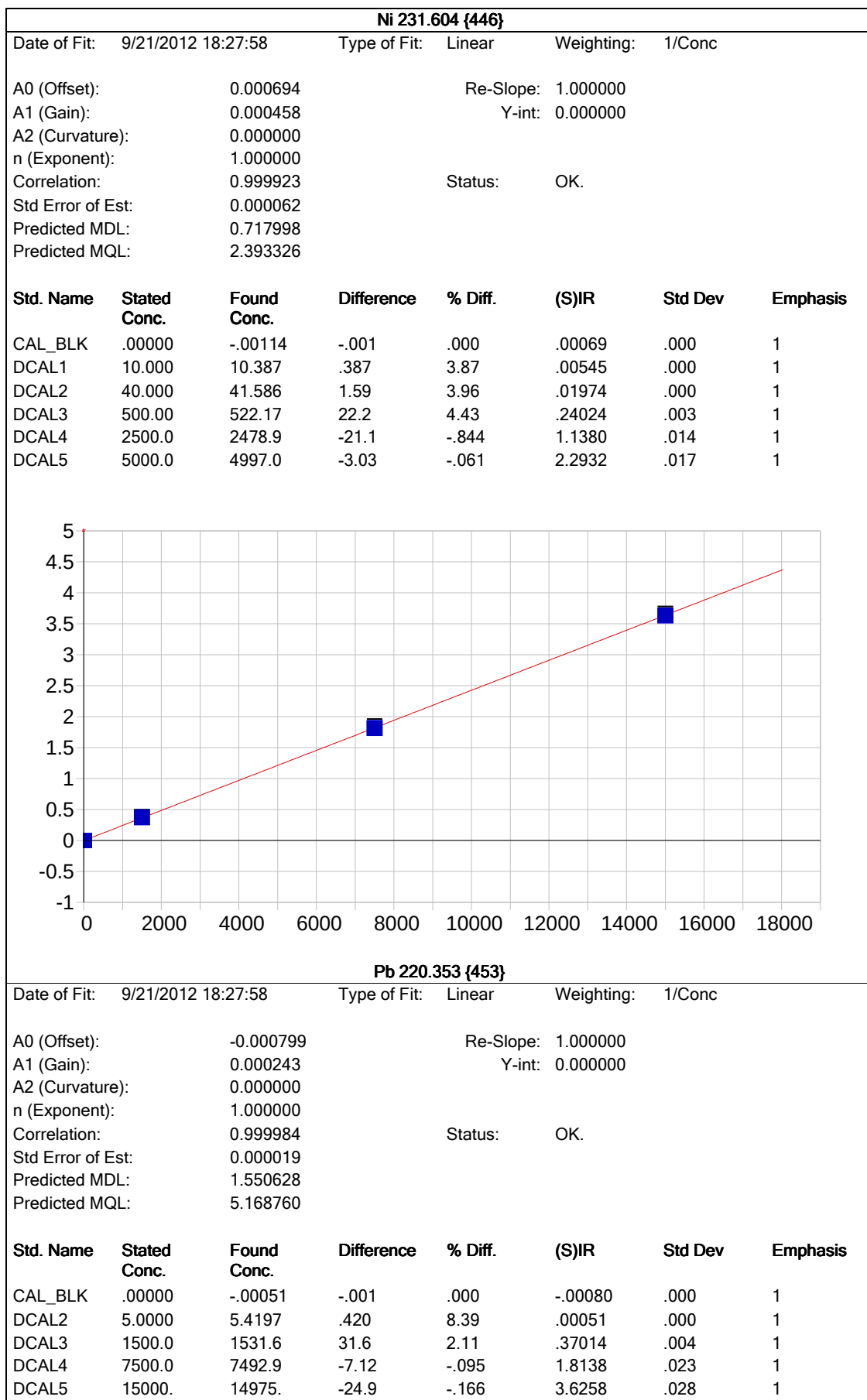
Na 589.592 { 57}

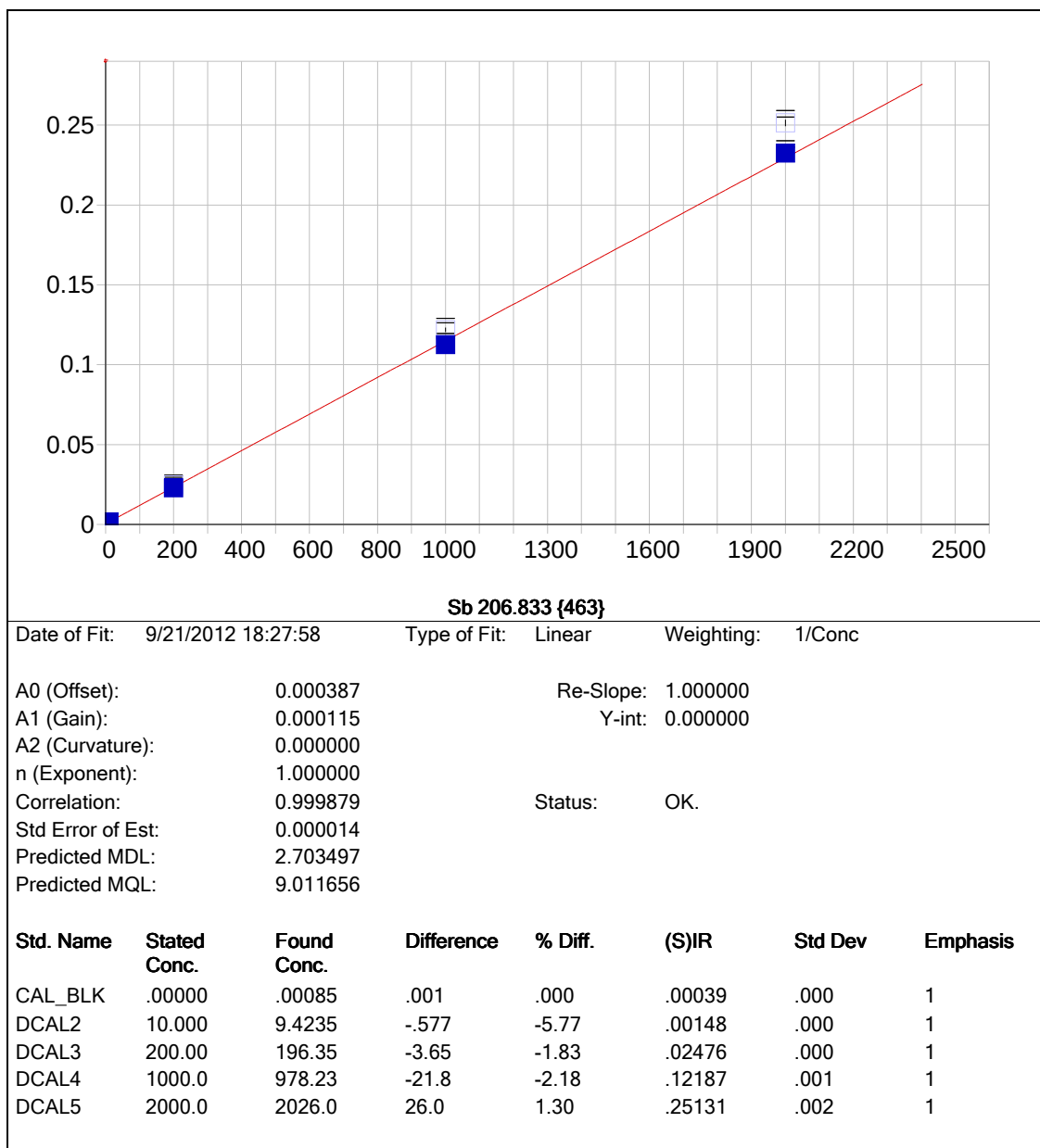
Date of Fit: 9/21/2012 18:27:58 Type of Fit: Linear Weighting: 1/Conc

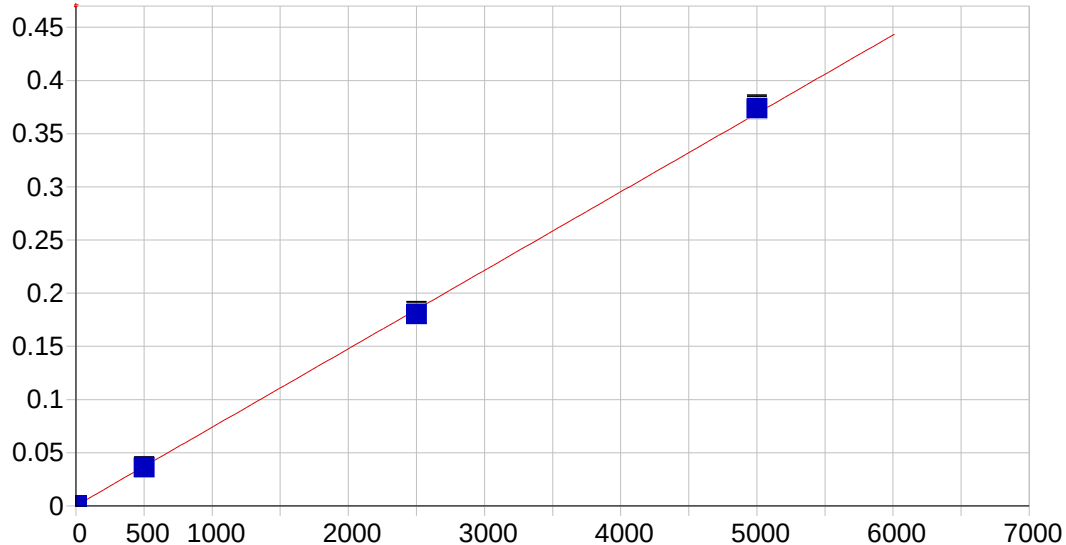
A0 (Offset): -0.031051 Re-Slope: 1.000000
 A1 (Gain): 0.000324 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999875 Status: OK.
 Std Error of Est: 0.009427
 Predicted MDL: 12.374460
 Predicted MQL: 41.248202

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.51407	-.514	.000	-.03122	.003	1
DCAL2	5000.0	5271.7	272.	5.43	1.6779	.034	1
DCAL3	25000.	26362.	1360.	5.45	8.5200	.171	1
DCAL4	125000.	125130.	133.	.106	40.560	.034	1
DCAL5	250000.	248230.	-1770.	-.706	80.493	.529	1







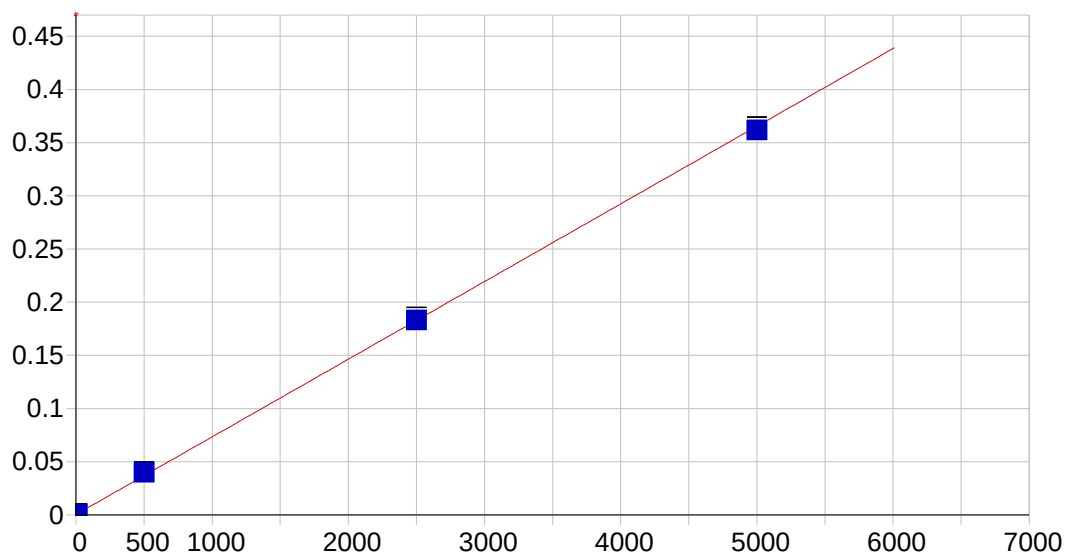


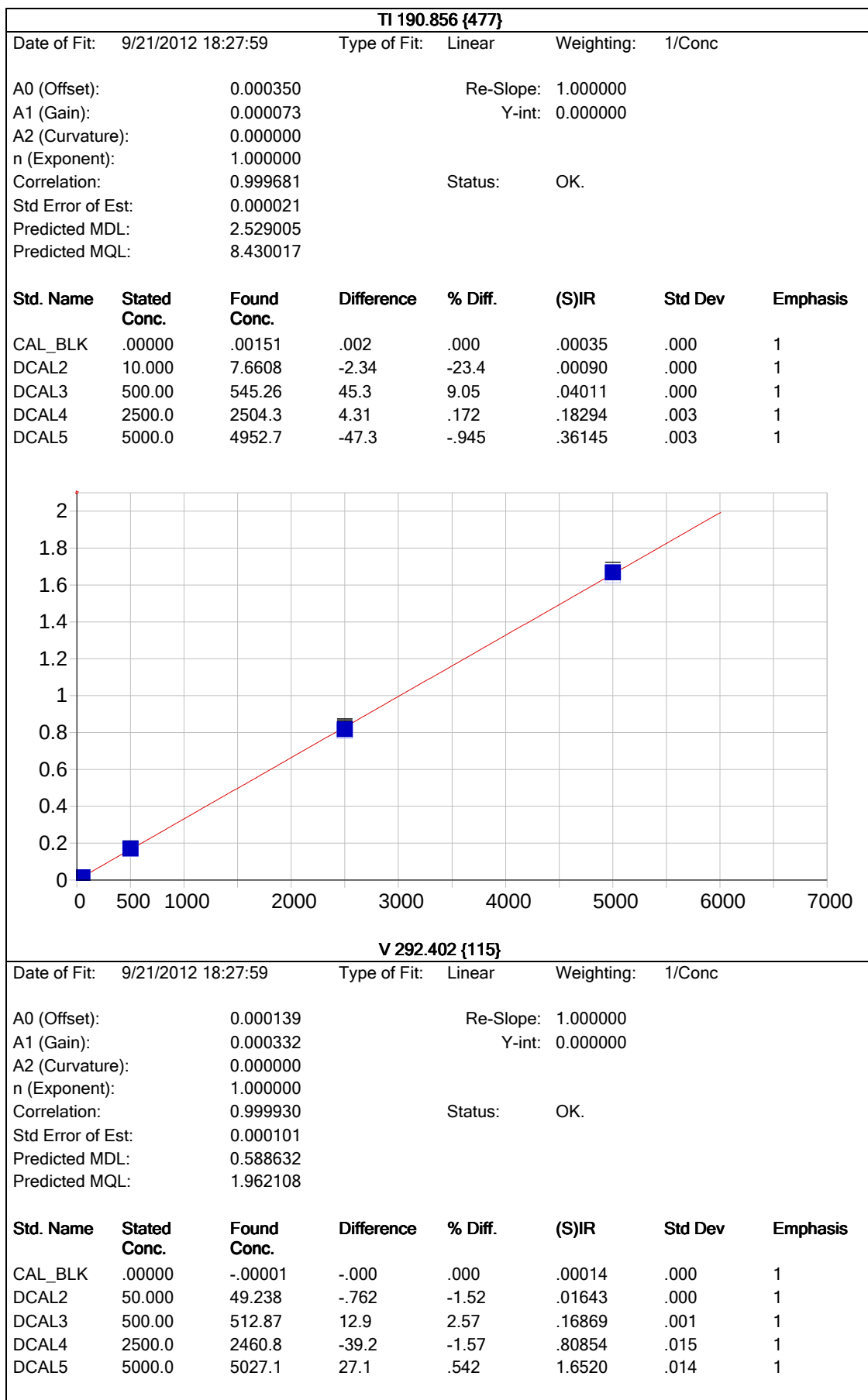
Se 196.090 [472]

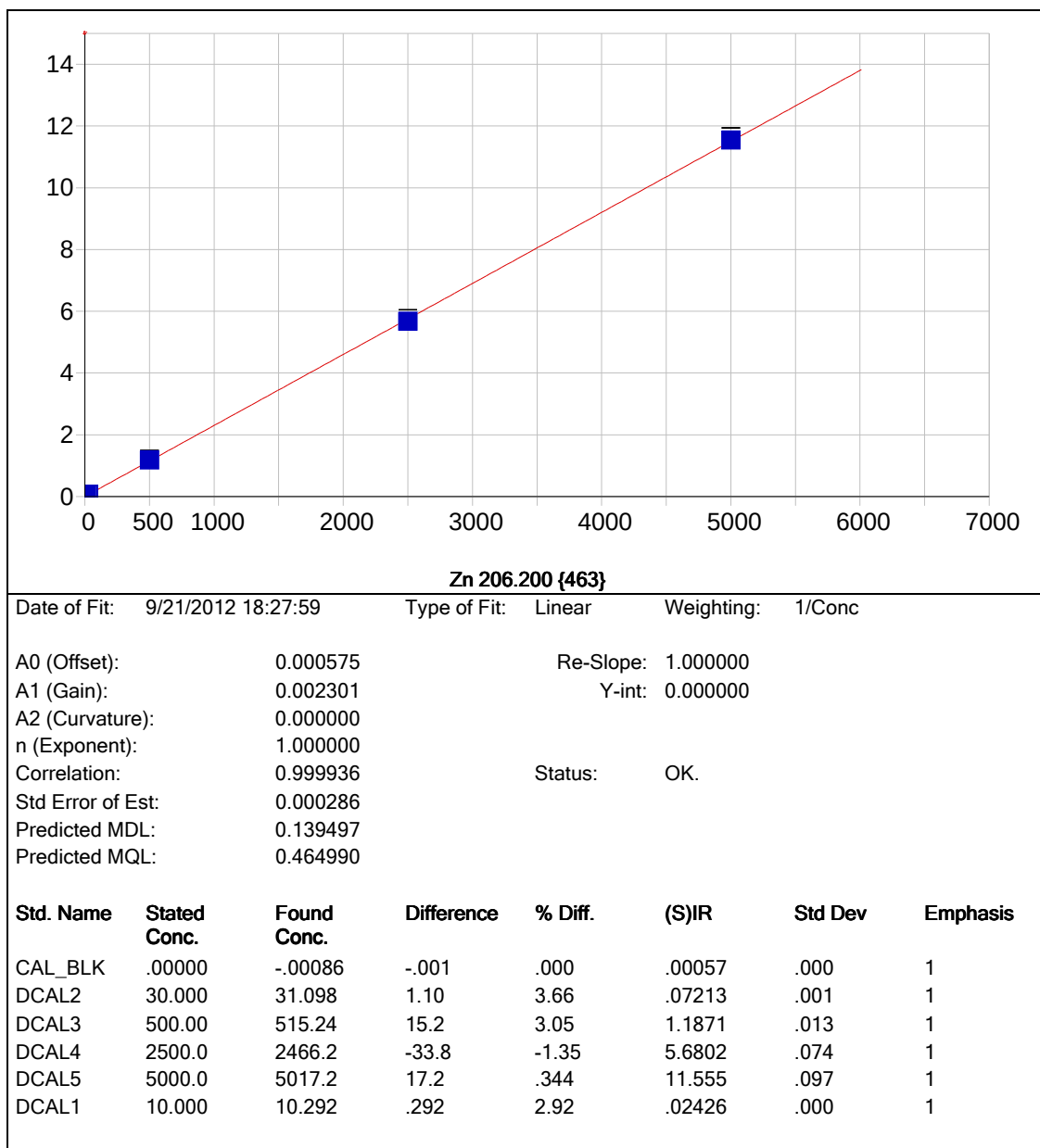
Date of Fit: 9/21/2012 18:27:58 Type of Fit: Linear Weighting: 1/Conc

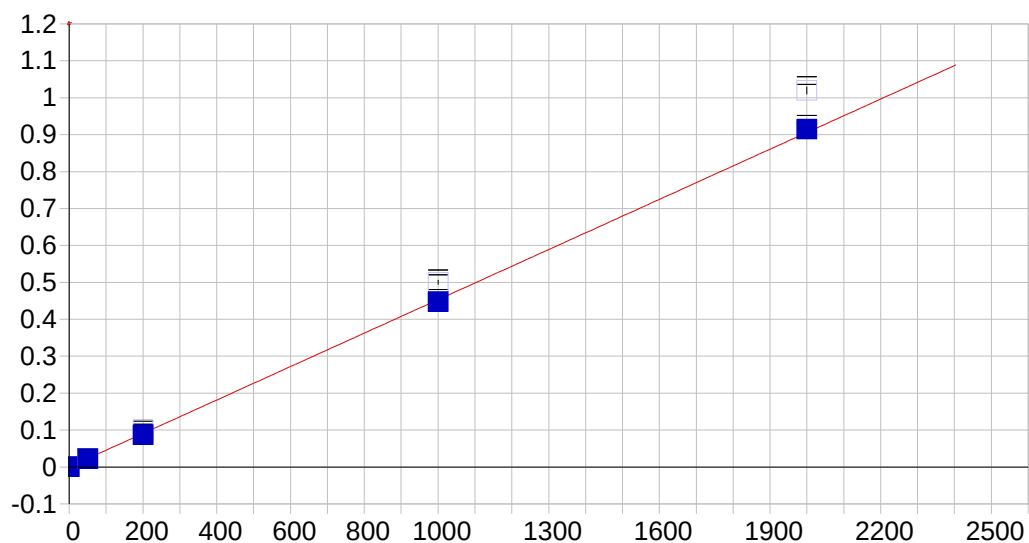
A0 (Offset): 0.000189 Re-Slope: 1.000000
 A1 (Gain): 0.000074 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999824 Status: OK.
 Std Error of Est: 0.000011
 Predicted MDL: 2.919835
 Predicted MQL: 9.732784

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00152	.002	.000	.00019	.000	1
DCAL2	5.0000	3.6365	-1.36	-27.3	.00045	.000	1
DCAL3	500.00	489.22	-10.8	-2.16	.03616	.000	1
DCAL4	2500.0	2443.9	-56.1	-2.24	.17988	.003	1
DCAL5	5000.0	5068.2	68.2	1.36	.37288	.003	1







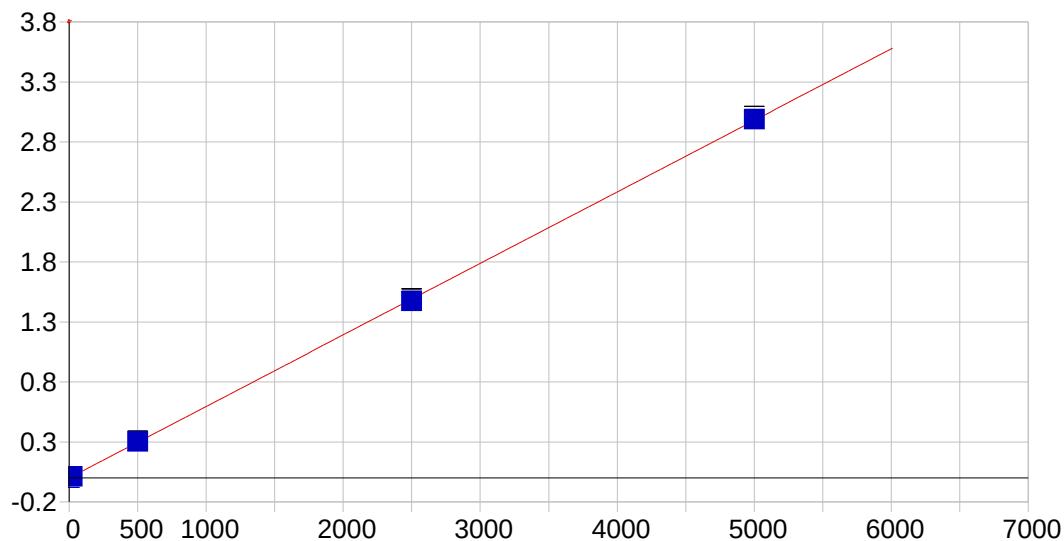


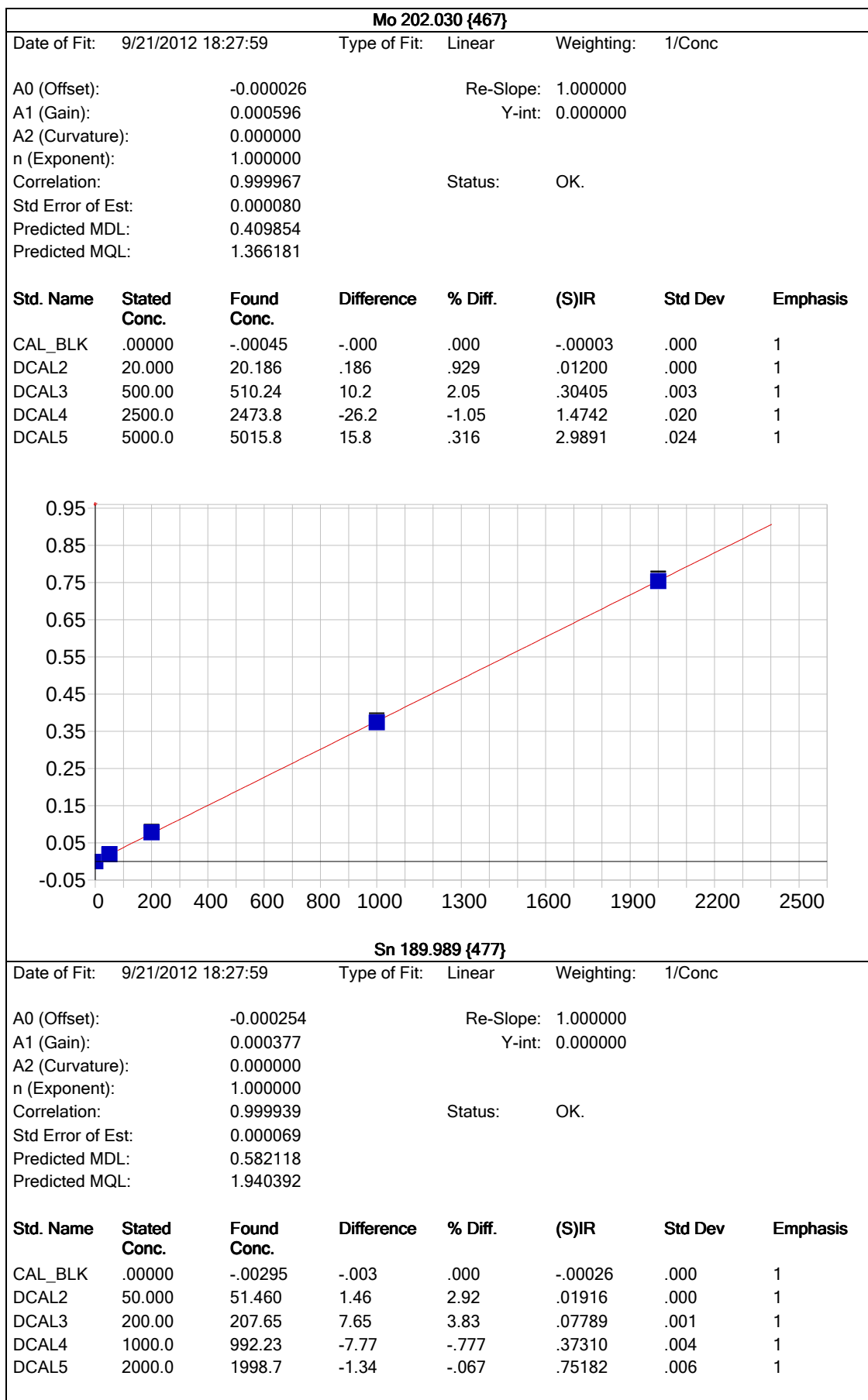
B 208.959 {461}

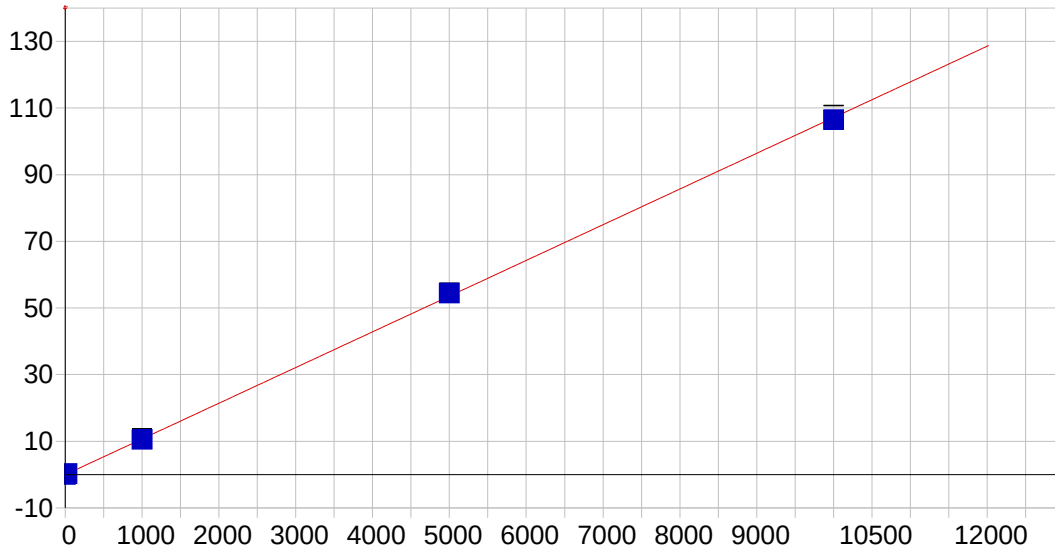
Date of Fit: 9/21/2012 18:27:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000208 Re-Slope: 1.000000
 A1 (Gain): 0.000453 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999921 Status: OK.
 Std Error of Est: 0.000104
 Predicted MDL: 0.757321
 Predicted MQL: 2.524402

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00336	.003	.000	.00021	.000	1
DCAL2	50.000	48.472	-1.53	-3.06	.02257	.000	1
DCAL3	200.00	192.99	-7.01	-3.50	.09808	.001	1
DCAL4	1000.0	988.22	-11.8	-1.18	.50010	.006	1
DCAL5	2000.0	2020.2	20.2	1.01	1.0198	.010	1





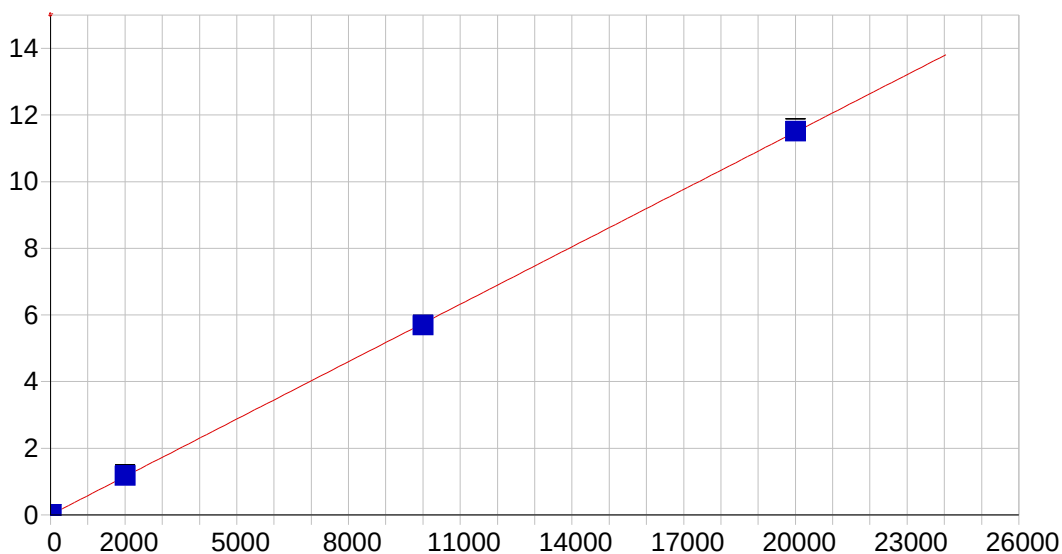


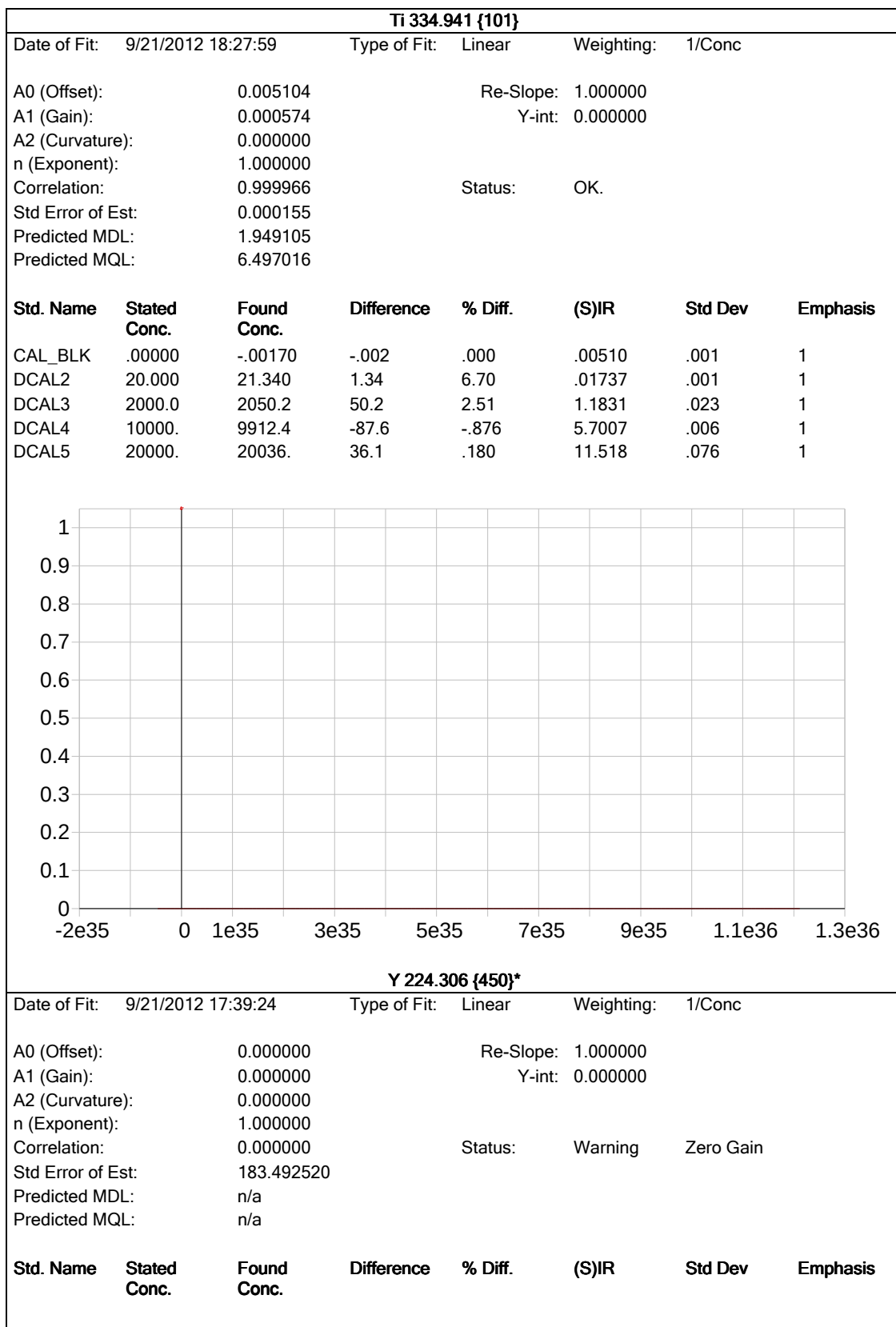
Sr 407.771 { 83}

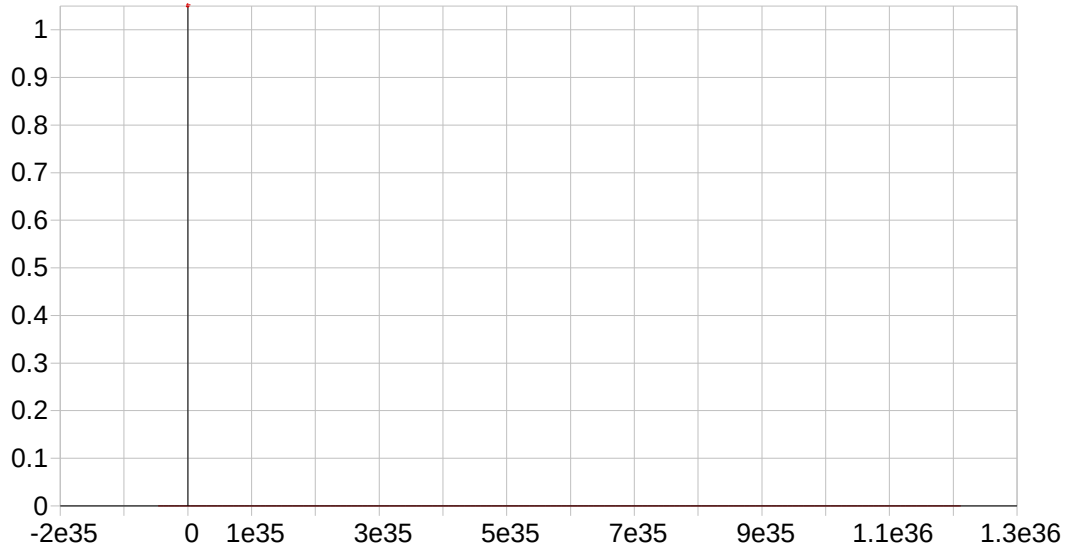
Date of Fit: 9/21/2012 18:27:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001566 Re-Slope: 1.000000
 A1 (Gain): 0.010716 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999942 Status: OK.
 Std Error of Est: 0.002667
 Predicted MDL: 0.158435
 Predicted MQL: 0.528117

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00122	-.001	.000	.00155	.003	1
DCAL2	20.000	21.311	1.31	6.56	.23019	.005	1
DCAL3	1000.0	986.40	-13.6	-1.36	10.573	.211	1
DCAL4	5000.0	5076.7	76.7	1.53	54.407	.053	1
DCAL5	10000.	9935.6	-64.4	-.644	106.48	1.31	1





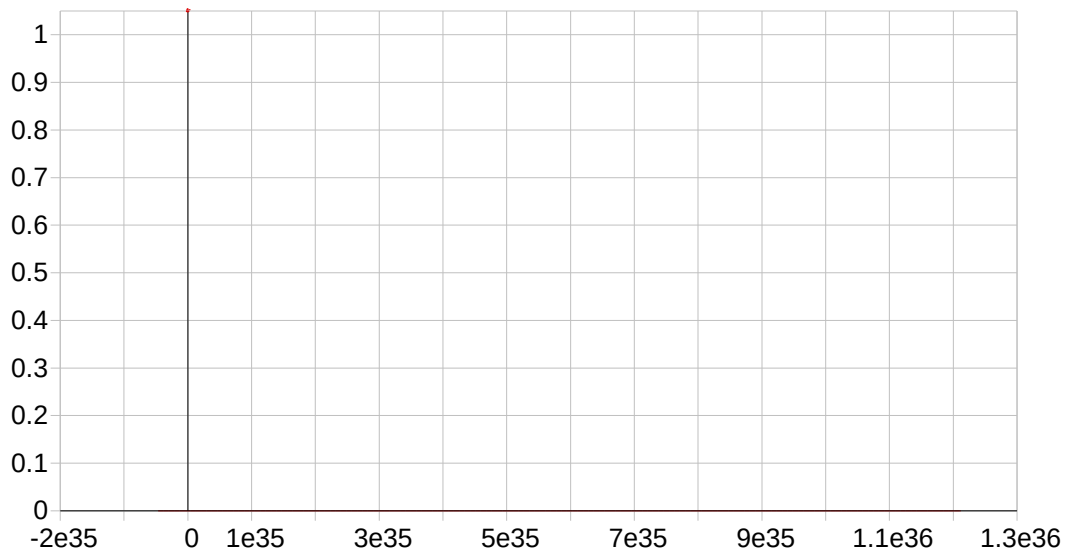


Y 360.073 { 94}*

Date of Fit: 9/21/2012 17:39:24 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:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

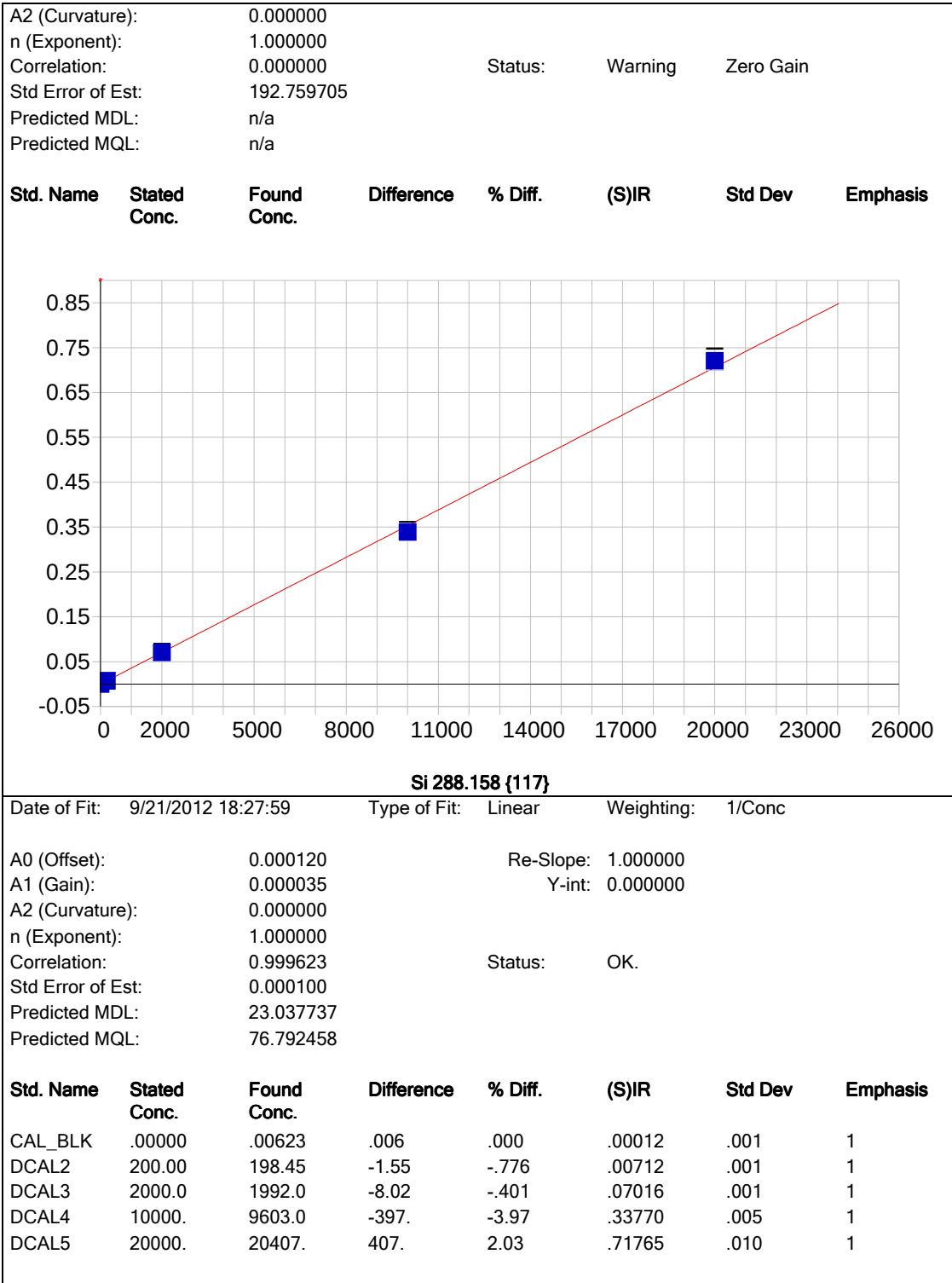
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 371.030 { 91}*

Date of Fit: 9/21/2012 17:39:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000



Sample Name: CAL_BLK Acquired: 9/21/2012 18:02:58 Type: Cal
Method: SW846_092112 Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0032	.0000	-0.0002	-0.0004	-0.0042	.0004
Stddev	.0011	.0003	.0003	.0001	.0003	.0001
%RSD	34.41	655.2	162.9	23.22	6.901	16.35

#1	-0.0021	-0.0002	-0.0002	-0.0004	-0.0040	.0003
#2	-0.0032	.0000	.0001	-0.0003	-0.0045	.0004
#3	-0.0043	.0003	-0.0004	-0.0005	-0.0042	.0005

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_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0021	.0042	.0002	.0040	.0001	.0189
Stddev	.0003	.0002	.0002	.0013	.0001	.0038
%RSD	12.74	5.152	94.34	31.44	105.3	19.95

#1	-0.0019	.0040	.0002	.0033	.0000	.0215
#2	-0.0020	.0043	.0004	.0055	.0001	.0206
#3	-0.0024	.0044	.0000	.0033	.0003	.0146

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	-0.0000	-0.0001	-0.0312	.0007	-0.0008	.0004
Stddev	.0001	.0000	.0027	.0004	.0004	.0001
%RSD	213.7	18.10	8.719	51.55	51.43	17.76

#1	-0.0000	-0.0001	-0.0292	.0003	-0.0012	.0003
#2	.0000	-0.0001	-0.0301	.0008	-0.0008	.0004
#3	-0.0002	-0.0000	-0.0343	.0010	-0.0004	.0004

Sample Name: CAL_BLK Acquired: 9/21/2012 18:02:58 Type: Cal
Method: SW846_092112 Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	.0004	.0001	.0006	.0002	-.0000
Stddev	.0001	.0002	.0001	.0003	.0002	.0003
%RSD	56.33	46.64	37.58	60.56	115.5	1070.

#1	.0002	.0003	.0001	.0003	.0004	.0003
#2	.0003	.0002	.0001	.0004	-.0000	-.0003
#3	.0001	.0005	.0002	.0010	.0002	-.0001

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	-.0003	.0016	.0051	.0001
Stddev	.0001	.0035	.0006	.0007
%RSD	44.60	222.6	12.20	553.0

#1	-.0002	-.0024	.0057	.0008
#2	-.0002	.0035	.0052	-.0005
#3	-.0004	.0036	.0044	-.0000

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	3899.5	38158.	4092.6
Stddev	24.8	45.	65.2
%RSD	.63623	.11722	1.5930

#1	3882.1	38112.	4037.7
#2	3927.9	38201.	4075.4
#3	3888.5	38160.	4164.7

Sample Name: ICSA 1552029 Acquired: 9/21/2012 18:36:17 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	512200.	-1.503	-1.229	.2848	-.0097	487900.
Stddev	3166.	5.129	.970	.2585	.2065	7795.
%RSD	.6181	341.2	78.92	90.79	2139.	1.598

#1	515500.	1.537	-1.715	.5719	-.0046	480200.
#2	509200.	1.379	-1.859	.0706	.1942	487700.
#3	511900.	-7.425	-1.121	.2118	-.2186	495800.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.955	-1.051	.8601	-.9843	201900.	365.8
Stddev	.132	.378	.7484	1.163	3830.	72.7
%RSD	6.727	35.91	87.02	118.2	1.897	19.87

#1	-1.967	-.7769	.1065	-2.327	199900.	415.8
#2	-2.079	-.8954	1.603	-.3432	199400.	399.3
#3	-1.817	-1.482	.8706	-.2828	206300.	282.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: IC5A 1552029 Acquired: 9/21/2012 18:36:17 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	500100.	-.6755	78.91	-2.351	2.097	-4.650
Stddev	10550.	.1917	64.30	.534	3.721	3.017
%RSD	2.109	28.38	81.49	22.70	177.5	64.89

#1	488200.	-.7412	4.661	-2.956	5.365	-1.247
#2	503800.	-.4595	116.6	-1.949	2.877	-5.705
#3	508400.	-.8257	115.5	-2.147	-1.953	-6.998

Check ?	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
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	-4.828	1.094	1.644	.4135	.6421	-.9644
Stddev	2.286	2.415	.369	.0770	1.221	.3703
%RSD	47.35	220.8	22.45	18.63	190.1	38.40

#1	-7.269	2.885	1.518	.3971	2.051	-.7370
#2	-4.480	2.049	1.354	.4975	-.0185	-1.392
#3	-2.737	-1.653	2.059	.3461	-.1062	-.7645

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 1552029 Acquired: 9/21/2012 18:36:17 Type: QC
Method: SW846_092112 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	-3.104	-.1786	-.1544	5.709
Stddev	.722	.1326	1.831	21.88
%RSD	23.26	74.22	1186.	383.3

#1	-3.470	-.1490	-1.836	29.71
#2	-3.569	-.0634	1.796	-13.14
#3	-2.272	-.3235	-.4231	.5569

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	3395.6	32566.	3919.6
Stddev	32.7	473.	28.8
%RSD	.96292	1.4516	.73500

#1	3425.8	32912.	3887.4
#2	3400.2	32758.	3928.4
#3	3360.9	32027.	3943.0

Sample Name: pds 460-44645-e-2-c Acquired: 9/21/2012 19:06:06 Type: Unk
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1943.	1921.	46.55	1985.	49.21	43450.
Stddev	24.	36.	.75	30.	.49	380.
%RSD	1.237	1.882	1.602	1.529	.9921	.8735

#1	1928.	1881.	45.70	1953.	49.04	43010.
#2	1930.	1951.	47.06	2013.	48.83	43650.
#3	1971.	1933.	46.90	1988.	49.76	43690.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.29	487.7	193.9	237.7	999.3	20130.
Stddev	.95	7.2	1.7	7.7	6.8	212.
%RSD	1.919	1.485	.8511	3.222	.6800	1.055

#1	48.27	479.9	192.0	229.0	1007.	19960.
#2	50.14	494.3	194.7	243.2	996.6	20070.
#3	49.45	488.9	195.0	241.0	994.2	20370.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-44645-e-2-c Acquired: 9/21/2012 19:06:06 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	25540.	529.0	50000.	496.2	503.9	474.3
Stddev	266.	5.6	569.	8.4	6.9	7.9
%RSD	1.041	1.058	1.138	1.692	1.374	1.671

#1	25240.	522.6	49650.	487.0	496.2	466.2
#2	25630.	531.4	49700.	503.3	509.6	482.0
#3	25750.	533.0	50660.	498.5	505.8	474.7

Check ?	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
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	1872.	2077.	475.1	485.2	504.5	476.2
Stddev	35.	30.	5.2	8.2	9.1	7.4
%RSD	1.881	1.454	1.089	1.692	1.806	1.558

#1	1833.	2045.	469.3	476.4	494.5	468.1
#2	1901.	2105.	476.7	492.6	512.4	482.7
#3	1883.	2081.	479.3	486.6	506.6	477.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-44645-e-2-c Acquired: 9/21/2012 19:06:06 Type: Unk
 Method: SW846_092112 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	491.6	581.0	484.5	3073.
Stddev	8.2	5.5	4.0	46.
%RSD	1.663	.9440	.8206	1.503

#1	482.7	578.3	481.0	3020.
#2	498.8	577.4	483.6	3105.
#3	493.3	587.3	488.8	3092.

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	3675.3	36318.	4004.8
Stddev	40.7	247.	28.5
%RSD	1.1062	.68134	.71116

#1	3713.2	36604.	4023.8
#2	3632.4	36171.	4018.6
#3	3680.4	36180.	3972.1

Sample Name: 460-44636-e-2-b Acquired: 9/21/2012 19:30:52 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	323.8	1.687	.0904	27.79	-.0595	8882.
Stddev	17.5	.351	.6175	.26	.0695	18.
%RSD	5.401	20.83	683.0	.9218	116.7	.2079

#1	341.4	1.867	-.3086	27.84	-.1066	8868.
#2	323.5	1.282	.8017	27.51	.0203	8903.
#3	306.5	1.913	-.2218	28.02	-.0923	8874.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.397	.2375	.8983	-.2534	597.6	2016.
Stddev	.122	.1992	.3323	4.716	10.1	51.
%RSD	8.722	83.87	36.99	1861.	1.693	2.528

#1	1.484	.4508	.5268	-1.130	603.8	1960.
#2	1.258	.0565	1.167	4.839	603.2	2027.
#3	1.449	.2050	1.001	-4.470	586.0	2060.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44636-e-2-b Acquired: 9/21/2012 19:30:52 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	1664.	391.2	19210.	1.217	.4074	-2.115
Stddev	3.	1.2	210.	.090	.8121	.409
%RSD	.1591	.3095	1.095	7.433	199.4	19.33

#1	1666.	390.5	18980.	1.184	.4906	-2.587
#2	1665.	392.5	19280.	1.320	1.175	-1.860
#3	1661.	390.4	19380.	1.148	-.4432	-1.899

Check ?	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
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	-.8997	-4.028	1.172	3.760	50.19	.5699
Stddev	1.314	1.505	.443	.057	.41	.3887
%RSD	146.1	37.35	37.79	1.524	.8137	68.21

#1	-1.394	-3.435	1.577	3.813	49.78	.8824
#2	.5901	-5.739	1.239	3.768	50.20	.6926
#3	-1.895	-2.911	.6989	3.699	50.60	.1346

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44636-e-2-b Acquired: 9/21/2012 19:30:52 Type: Unk
Method: SW846_092112 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	-.2136	75.49	12.62	5071.
Stddev	.8613	.77	2.18	20.
%RSD	403.3	1.025	17.30	.3950

#1	-.6663	74.61	15.13	5056.
#2	-.7540	75.81	11.49	5062.
#3	.7797	76.06	11.23	5093.

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	3760.5	37222.	4040.2
Stddev	8.6	215.	47.4
%RSD	.22761	.57736	1.1724

#1	3770.0	37430.	4088.5
#2	3758.0	37236.	4038.4
#3	3753.5	37001.	3993.8

Sample Name: DCAL1 Acquired: 9/21/2012 18:07:16 Type: Cal
Method: SW846_092112 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_3710)	(Y_3600)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0055	.0011	.0055	.0243
Stddev	.0005	.0001	.0002	.0004
%RSD	8.721	5.293	3.495	1.693

#1	.0050	.0012	.0057	.0242
#2	.0060	.0011	.0054	.0247
#3	.0055	.0011	.0053	.0239

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	3872.8	38090.	4101.1
Stddev	20.5	124.	44.5
%RSD	.52977	.32675	1.0862

#1	3893.6	38167.	4130.2
#2	3852.6	38155.	4049.8
#3	3872.2	37946.	4123.3

Sample Name: DCAL2 Acquired: 9/21/2012 18:11:35 Type: Cal
Method: SW846_092112 Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0130	.0010	.0028	.1997	.0076	.0331
Stddev	.0020	.0002	.0004	.0008	.0013	.0001
%RSD	15.52	21.12	13.75	.4097	17.52	.2753

#1	.0152	.0008	.0032	.1993	.0080	.0331
#2	.0123	.0009	.0024	.1992	.0087	.0331
#3	.0114	.0012	.0027	.2006	.0061	.0332

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_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0091	.0785	.0025	.0092	.0016	.4691
Stddev	.0004	.0002	.0001	.0011	.0001	.0093
%RSD	4.356	.3115	3.570	11.52	5.681	1.989

#1	.0089	.0783	.0024	.0094	.0017	.4784
#2	.0088	.0785	.0024	.0101	.0017	.4693
#3	.0095	.0788	.0025	.0081	.0016	.4597

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	.1688	.0200	1.678	.0197	.0005	.0015
Stddev	.0007	.0001	.034	.0003	.0001	.0001
%RSD	.4255	.4774	2.014	1.376	10.79	6.946

#1	.1689	.0202	1.716	.0195	.0005	.0016
#2	.1680	.0200	1.666	.0200	.0006	.0014
#3	.1694	.0200	1.652	.0197	.0005	.0015

Sample Name: DCAL2 Acquired: 9/21/2012 18:11:35 Type: Cal
Method: SW846_092112 Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0005	.0009	.0164	.0721	.0226	.0120
Stddev	.0000	.0002	.0002	.0005	.0001	.0001
%RSD	5.519	19.26	1.364	.7016	.5877	1.167

#1	.0004	.0008	.0164	.0715	.0227	.0120
#2	.0005	.0011	.0162	.0724	.0225	.0119
#3	.0004	.0008	.0167	.0725	.0225	.0121

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	.0192	.2302	.0174	.0071
Stddev	.0002	.0048	.0008	.0009
%RSD	.8104	2.080	4.354	12.30

#1	.0193	.2357	.0173	.0079
#2	.0190	.2279	.0181	.0062
#3	.0191	.2270	.0166	.0074

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	3865.8	38148.	4119.1
Stddev	9.1	67.	64.7
%RSD	.23566	.17638	1.5705

#1	3872.1	38200.	4047.4
#2	3869.9	38173.	4136.9
#3	3855.3	38072.	4173.1

Sample Name: 460-44765-d-5-b Acquired: 9/21/2012 21:07:24 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54.61	2.149	.4401	232.2	.0915	35060.
Stddev	13.69	1.230	.5877	3.1	.2137	312.
%RSD	25.07	57.21	133.5	1.324	233.5	.8893

#1	62.27	3.235	.1551	232.9	.2958	35300.
#2	62.76	2.398	.0492	228.9	.1091	34700.
#3	38.81	.8141	1.116	235.0	-.1304	35170.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1887	.0426	.1147	-3.360	316.9	4532.
Stddev	.2006	.2284	.5975	3.318	8.6	44.
%RSD	106.3	536.7	520.9	98.74	2.707	.9660

#1	.3673	-.0044	-.5719	.3657	311.8	4522.
#2	-.0283	-.1587	.5168	-4.451	326.8	4494.
#3	.2270	.2908	.3992	-5.996	312.0	4579.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-d-5-b Acquired: 9/21/2012 21:07:24 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	20300.	76.70	71570.	2.465	1.831	-.0538
Stddev	88.	.24	464.	.353	1.002	3.023
%RSD	.4313	.3111	.6485	14.33	54.75	5613.

#1	20380.	76.97	71660.	2.306	1.521	2.099
#2	20320.	76.60	71070.	2.219	2.951	-3.510
#3	20210.	76.52	71990.	2.870	1.020	1.249

Check ?	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
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	-.8790	-2.512	.3415	140.5	23.60	.2102
Stddev	.7873	4.256	.2039	1.8	.35	.5566
%RSD	89.57	169.4	59.70	1.267	1.479	264.8

#1	-.3688	1.683	.5255	140.6	23.20	.2568
#2	-.4825	-2.392	.3766	138.6	23.79	.7420
#3	-1.786	-6.826	.1223	142.2	23.81	-.3682

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-d-5-b Acquired: 9/21/2012 21:07:24 Type: Unk
Method: SW846_092112 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	.3952	262.0	4.816	8084.
Stddev	.2946	1.9	.297	47.
%RSD	74.56	.7163	6.168	.5758

#1	.5299	262.3	4.744	8062.
#2	.0573	260.0	4.562	8052.
#3	.5984	263.7	5.143	8137.

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	3644.6	35855.	3950.6
Stddev	36.4	120.	40.4
%RSD	.99939	.33472	1.0218

#1	3630.0	35786.	3917.9
#2	3686.1	35786.	3995.7
#3	3617.8	35994.	3938.1

Sample Name: 460-44871-e-3-a@4 Acquired: 9/21/2012 21:37:06 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42620.	22.54	-.0551	139.6	2.817	5295.
Stddev	125.	1.98	.3881	1.2	.036	64.
%RSD	.2940	8.766	704.4	.8368	1.277	1.207

#1	42480.	24.58	-.4965	138.5	2.780	5271.
#2	42640.	20.63	.0986	139.5	2.852	5247.
#3	42730.	22.41	.2326	140.8	2.818	5368.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3875	37.78	85.78	33.48	92040.	6771.
Stddev	.1769	.24	.94	2.48	836.	81.
%RSD	45.65	.6305	1.094	7.402	.9079	1.191

#1	-.1937	37.51	84.76	30.86	91090.	6695.
#2	-.5402	37.97	85.98	33.79	92360.	6764.
#3	-.4285	37.86	86.61	35.78	92660.	6855.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44871-e-3-a@4 Acquired: 9/21/2012 21:37:06 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	18060.	1019.	1600.	78.33	48.81	2.639
Stddev	191.	10.	13.	.95	1.58	2.603
%RSD	1.059	1.003	.8147	1.209	3.241	98.65

#1	17850.	1007.	1588.	79.04	48.14	-.3508
#2	18100.	1022.	1598.	77.26	50.61	4.404
#3	18230.	1027.	1614.	78.70	47.66	3.863

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	-3.766	-6.662	93.91	226.9	32.28	2.152
Stddev	1.129	1.731	.94	1.3	.68	.269
%RSD	29.98	25.98	.9986	.5636	2.120	12.48

#1	-3.972	-6.658	92.84	225.4	32.61	1.842
#2	-4.778	-4.933	94.34	227.6	31.49	2.318
#3	-2.548	-8.394	94.56	227.6	32.74	2.296

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44871-e-3-a@4 Acquired: 9/21/2012 21:37:06 Type: Unk
 Method: SW846_092112 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	2.842	64.01	676.0	692.7
Stddev	.253	.30	6.0	10.2
%RSD	8.895	.4696	.8814	1.475

#1	3.079	63.77	670.2	691.9
#2	2.871	63.91	675.5	703.3
#3	2.576	64.34	682.1	682.9

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	3898.9	38454.	4119.5
Stddev	11.8	94.	8.1
%RSD	.30339	.24319	.19661

#1	3897.7	38539.	4110.8
#2	3911.3	38354.	4120.8
#3	3887.7	38468.	4126.9

Sample Name: DCAL3 Acquired: 9/21/2012 18:15:49 Type: Cal
Method: SW846_092112 Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.272	.0635	.0752	2.021	1.105	.1656
Stddev	.051	.0006	.0006	.022	.020	.0016
%RSD	2.221	.9116	.7524	1.093	1.801	.9660

#1	2.221	.0630	.0748	2.001	1.086	.1639
#2	2.273	.0641	.0759	2.045	1.104	.1670
#3	2.322	.0633	.0750	2.016	1.126	.1660

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_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.6873	.7604	.2033	.4344	.2014	.9205
Stddev	.0079	.0092	.0012	.0085	.0015	.0188
%RSD	1.152	1.206	.6118	1.958	.7486	2.041

#1	.6802	.7520	.2023	.4251	.2000	.9030
#2	.6958	.7702	.2047	.4361	.2030	.9183
#3	.6859	.7591	.2029	.4419	.2012	.9403

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	.8518	1.303	8.520	.2402	.3701	.0248
Stddev	.0057	.008	.171	.0028	.0044	.0003
%RSD	.6737	.6327	2.007	1.181	1.193	1.298

#1	.8463	1.294	8.345	.2378	.3662	.0244
#2	.8577	1.310	8.529	.2433	.3749	.0250
#3	.8513	1.304	8.686	.2396	.3693	.0249

Sample Name: DCAL3 Acquired: 9/21/2012 18:15:49 Type: Cal
Method: SW846_092112 Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0362	.0401	.1687	1.187	.0981	.3040
Stddev	.0003	.0004	.0010	.013	.0013	.0034
%RSD	.9532	1.070	.6223	1.096	1.322	1.115

#1	.0363	.0397	.1678	1.176	.0966	.3009
#2	.0364	.0405	.1698	1.201	.0992	.3076
#3	.0358	.0401	.1685	1.184	.0984	.3037

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	.0779	10.57	1.183	.0702
Stddev	.0005	.21	.022	.0009
%RSD	.6997	1.992	1.904	1.328

#1	.0774	10.36	1.160	.0692
#2	.0785	10.58	1.184	.0703
#3	.0778	10.78	1.205	.0710

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	3722.0	36090.	4026.1
Stddev	25.7	259.	69.1
%RSD	.68951	.71688	1.7164

#1	3743.6	36272.	4088.5
#2	3693.6	35794.	4037.9
#3	3728.6	36205.	3951.8

Sample Name: DCAL4 Acquired: 9/21/2012 18:19:54 Type: Cal
Method: SW846_092112 Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	11.15	.3170	.3677	9.650	5.567	.8233
Stddev	.01	.0043	.0067	.128	.007	.0084
%RSD	.1101	1.357	1.831	1.321	.1225	1.017

#1	11.14	.3138	.3606	9.549	5.567	.8181
#2	11.16	.3219	.3687	9.793	5.561	.8330
#3	11.15	.3152	.3739	9.607	5.574	.8189

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_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.303	3.588	1.018	2.206	.9565	4.446
Stddev	.043	.045	.018	.003	.0166	.013
%RSD	1.286	1.265	1.771	.1344	1.737	.2957

#1	3.269	3.551	.9996	2.202	.9393	4.432
#2	3.350	3.639	1.020	2.207	.9577	4.450
#3	3.288	3.574	1.036	2.208	.9725	4.457

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	4.054	6.360	40.56	1.138	1.814	.1219
Stddev	.074	.108	.03	.014	.023	.0014
%RSD	1.830	1.692	.0843	1.265	1.284	1.189

#1	3.977	6.249	40.52	1.126	1.795	.1206
#2	4.061	6.366	40.59	1.154	1.840	.1235
#3	4.125	6.464	40.57	1.134	1.806	.1215

Sample Name: DCAL4 Acquired: 9/21/2012 18:19:54 Type: Cal
Method: SW846_092112 Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1799	.1829	.8085	5.680	.5001	1.474
Stddev	.0025	.0029	.0148	.074	.0065	.020
%RSD	1.395	1.564	1.835	1.302	1.290	1.336

#1	.1781	.1811	.7932	5.619	.4946	1.458
#2	.1827	.1862	.8095	5.763	.5072	1.496
#3	.1788	.1815	.8229	5.659	.4985	1.468

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	.3731	54.41	5.701	.3377
Stddev	.0045	.05	.006	.0047
%RSD	1.202	.0971	.0992	1.403

#1	.3696	54.40	5.694	.3327
#2	.3782	54.46	5.703	.3421
#3	.3715	54.36	5.705	.3383

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	3526.9	34288.	3971.2
Stddev	23.7	333.	36.6
%RSD	.67319	.97169	.92180

#1	3544.4	34616.	3929.4
#2	3499.9	34298.	3986.7
#3	3536.4	33950.	3997.5

Sample Name: DCAL5 Acquired: 9/21/2012 18:23:50 Type: Cal
Method: SW846_092112 Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	22.76	.6582	.7622	19.43	11.20	1.695
Stddev	.16	.0039	.0068	.15	.07	.009
%RSD	.7067	.5902	.8965	.7531	.6623	.5214

#1	22.92	.6540	.7620	19.27	11.27	1.691
#2	22.60	.6592	.7692	19.44	11.12	1.688
#3	22.77	.6616	.7555	19.57	11.21	1.705

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_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.693	7.266	2.061	4.468	1.925	9.083
Stddev	.051	.063	.016	.033	.016	.080
%RSD	.7553	.8637	.7727	.7304	.8279	.8807

#1	6.640	7.200	2.058	4.503	1.921	9.161
#2	6.696	7.273	2.078	4.439	1.942	9.001
#3	6.741	7.325	2.047	4.462	1.911	9.086

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	8.194	12.43	80.49	2.293	3.626	.2513
Stddev	.070	.07	.53	.017	.028	.0021
%RSD	.8538	.5906	.6576	.7389	.7677	.8191

#1	8.177	12.50	80.98	2.276	3.597	.2492
#2	8.271	12.42	79.93	2.295	3.627	.2514
#3	8.134	12.36	80.56	2.309	3.653	.2533

Sample Name: DCAL5 Acquired: 9/21/2012 18:23:50 Type: Cal
Method: SW846_092112 Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3729	.3614	1.652	11.56	1.020	2.989
Stddev	.0031	.0028	.014	.10	.010	.024
%RSD	.8231	.7881	.8353	.8387	1.004	.8136

#1	.3697	.3584	1.650	11.46	1.009	2.965
#2	.3732	.3618	1.667	11.56	1.022	2.990
#3	.3758	.3641	1.639	11.65	1.029	3.013

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	.7518	106.5	11.52	.7177
Stddev	.0064	1.3	.08	.0100
%RSD	.8468	1.227	.6609	1.396

#1	.7456	108.0	11.59	.7096
#2	.7515	105.5	11.44	.7145
#3	.7583	106.0	11.52	.7289

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	3354.8	33126.	3935.7
Stddev	22.3	154.	34.8
%RSD	.66562	.46345	.88353

#1	3377.1	33080.	3898.6
#2	3355.0	33002.	3940.9
#3	3332.4	33298.	3967.5

Sample Name: CCV Acquired: 9/21/2012 18:28:03 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122500.	2507.	1233.	10010.	987.1	129000.
Stddev	1019.	12.	22.	24.	9.2	1179.
%RSD	.8315	.4764	1.743	.2361	.9332	.9145

#1	121500.	2493.	1215.	9988.	979.1	128000.
#2	122400.	2514.	1228.	10020.	985.1	130300.
#3	123600.	2514.	1257.	10030.	997.1	128600.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1260.	2508.	5047.	12380.	100800.	49270.
Stddev	4.	6.	103.	136.	2009.	518.
%RSD	.2969	.2446	2.042	1.100	1.993	1.050

#1	1256.	2501.	4958.	12250.	99110.	48750.
#2	1261.	2508.	5024.	12360.	100300.	49280.
#3	1263.	2514.	5160.	12520.	103000.	49780.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/21/2012 18:28:03 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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.	5155.	124800.	2525.	7665.	1003.
Stddev	2509.	101.	1133.	7.	23.	3.
%RSD	1.994	1.968	.9074	.2843	.2949	.2525

#1	123700.	5068.	123800.	2517.	7641.	1000.
#2	125200.	5131.	124600.	2527.	7668.	1005.
#3	128600.	5267.	126000.	2532.	7686.	1004.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2486.	2551.	2481.	2487.	995.8	2520.
Stddev	11.	11.	51.	7.	3.7	7.
%RSD	.4619	.4314	2.060	.2975	.3719	.2866

#1	2478.	2539.	2439.	2479.	991.5	2511.
#2	2480.	2552.	2467.	2489.	997.4	2525.
#3	2499.	2561.	2538.	2493.	998.4	2523.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/21/2012 18:28:03 Type: QC
Method: SW846_092112 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	1010.	5065.	9953.	9622.
Stddev	2.	48.	95.	168.
%RSD	.2149	.9476	.9587	1.745

#1	1008.	5019.	9866.	9484.
#2	1011.	5061.	9937.	9574.
#3	1012.	5115.	10050.	9809.

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	3504.8	34146.	3984.5
Stddev	2.4	402.	19.5
%RSD	.06765	1.1772	.48829

#1	3506.8	34431.	3962.2
#2	3505.5	34321.	3993.3
#3	3502.2	33686.	3998.0

Sample Name: CCB Acquired: 9/21/2012 18:31:59 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-34.45	1.099	.0868	.3880	.1415	24.13
Stddev	11.65	.333	.3483	.1901	.1037	10.06
%RSD	33.81	30.33	401.4	48.99	73.27	41.71

#1	-29.35	1.333	-.1356	.6072	.2607	13.07
#2	-26.22	.7175	-.0923	.2892	.0727	32.75
#3	-47.77	1.247	.4881	.2677	.0910	26.57

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0473	-.0133	.3984	1.639	-3.785	169.4
Stddev	.0507	.2853	.0697	.997	1.448	77.8
%RSD	107.3	2147.	17.50	60.83	38.25	45.95

#1	-.0304	.3130	.3981	2.660	-2.669	243.0
#2	-.1043	-.1371	.4683	.6672	-3.265	177.4
#3	-.0072	-.2158	.3288	1.591	-5.421	87.89

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/21/2012 18:31:59 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	4.921	.2993	81.49	.0623	.6459	-.1315
Stddev	2.336	.2613	32.73	.8781	1.991	2.019
%RSD	47.47	87.31	40.16	1411.	308.2	1536.

#1	7.619	.6010	117.8	-.9330	1.797	1.686
#2	3.589	.1494	72.34	.7278	1.793	-2.304
#3	3.556	.1474	54.32	.3920	-1.653	.2237

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	-2.450	.7330	-.4316	.0460	3.599	1.250
Stddev	1.629	1.214	.3829	.1260	1.292	.592
%RSD	66.50	165.6	88.71	273.7	35.90	47.34

#1	-1.947	2.074	-.3583	.1744	5.021	1.898
#2	-1.132	-.2919	-.8459	.0411	3.279	.7387
#3	-4.271	.4174	-.0907	-.0774	2.497	1.112

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/21/2012 18:31:59 Type: QC
Method: SW846_092112 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	.2079	.4813	1.637	8.943
Stddev	.5335	.4444	.392	26.74
%RSD	256.6	92.34	23.91	299.0

#1	.7441	.9821	1.924	-2.536
#2	.2026	.3278	1.191	-10.14
#3	-.3230	.1340	1.797	39.51

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	3798.9	38133.	4077.1
Stddev	35.8	389.	19.2
%RSD	.94110	1.0192	.47126

#1	3815.8	38547.	4095.8
#2	3823.2	37776.	4057.4
#3	3757.9	38076.	4078.3

Sample Name: ICSAB 1604491 Acquired: 9/21/2012 18:40:35 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	507600.	96.33	101.4	99.02	99.62	479000.
Stddev	5558.	1.66	1.0	.18	.96	5797.
%RSD	1.095	1.722	1.009	.1780	.9656	1.210

#1	513400.	95.65	100.2	98.84	100.5	485300.
#2	502400.	98.22	102.0	99.20	98.58	477900.
#3	506800.	95.12	102.0	99.03	99.78	473900.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	95.78	96.00	99.58	97.58	200400.	10720.
Stddev	.31	.18	.14	6.00	1375.	143.
%RSD	.3242	.1903	.1409	6.147	.6859	1.333

#1	96.01	96.20	99.70	104.5	198900.	10880.
#2	95.90	95.85	99.42	93.96	201700.	10590.
#3	95.43	95.96	99.61	94.28	200600.	10700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1604491 Acquired: 9/21/2012 18:40:35 Type: QC

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	497300.	101.9	10840.	94.40	99.85	97.70
Stddev	3472.	.5	63.	.94	3.26	2.69
%RSD	.6983	.5213	.5832	.9957	3.266	2.753

#1	493600.	101.4	10900.	95.20	103.6	95.51
#2	497700.	102.4	10770.	94.63	97.67	100.7
#3	500500.	101.8	10850.	93.36	98.29	96.90

Check ?	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
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	90.78	92.32	100.4	96.27	96.62	97.49
Stddev	2.20	1.32	.5	.25	.84	.34
%RSD	2.421	1.430	.4930	.2577	.8663	.3491

#1	92.41	92.35	99.96	96.09	97.54	97.39
#2	91.64	90.98	100.9	96.56	96.39	97.87
#3	88.28	93.62	100.3	96.17	95.92	97.22

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1604491 Acquired: 9/21/2012 18:40:35 Type: QC
Method: SW846_092112 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	91.91	102.2	98.79	50.90
Stddev	.46	1.2	1.50	13.49
%RSD	.4986	1.160	1.517	26.50

#1	92.07	103.4	100.5	47.28
#2	92.28	101.1	97.84	65.82
#3	91.40	102.0	98.02	39.59

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	3418.0	32744.	3864.0
Stddev	8.5	281.	11.9
%RSD	.24832	.85862	.30808

#1	3426.9	33060.	3851.2
#2	3416.9	32653.	3866.0
#3	3410.1	32520.	3874.8

Sample Name: 460-44818-a-11-a@4 Acquired: 9/22/2012 1:06:59 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6717.	3.436	-.1185	5.713	.3479	77.44
Stddev	57.	1.925	.7171	.128	.0959	12.07
%RSD	.8444	56.02	605.2	2.245	27.57	15.58

#1	6761.	2.771	.6745	5.791	.3633	77.42
#2	6653.	1.932	-.7214	5.783	.4351	65.38
#3	6736.	5.606	-.3085	5.565	.2452	89.51

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2309	.0199	14.65	1.431	12400.	151.6
Stddev	.1155	.1038	.59	2.850	14.	38.1
%RSD	50.02	521.7	4.056	199.2	.1120	25.16

#1	-.1189	-.0066	15.28	4.301	12410.	154.9
#2	-.3496	-.0681	14.57	-1.398	12410.	187.9
#3	-.2242	.1344	14.10	1.390	12390.	111.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-11-a@4 Acquired: 9/22/2012 1:06:59 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	29.41	20.23	21.97	.2523	8.209	1.151
Stddev	1.47	.10	16.04	.9292	.570	2.608
%RSD	5.003	.4999	72.97	368.3	6.941	226.7

#1	30.77	20.29	29.38	.5851	7.597	4.085
#2	29.62	20.29	32.96	.9692	8.724	-.9043
#3	27.85	20.11	3.574	-.7975	8.306	.2715

Check ?	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
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	-3.760	-.9446	25.74	11.02	4.152	5.340
Stddev	1.317	2.118	.41	.15	.594	.300
%RSD	35.02	224.3	1.605	1.346	14.29	5.623

#1	-5.018	1.236	26.14	10.85	4.633	5.478
#2	-3.869	-1.075	25.75	11.07	3.489	4.995
#3	-2.392	-2.995	25.32	11.14	4.335	5.546

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-11-a@4 Acquired: 9/22/2012 1:06:59 Type: Unk
Method: SW846_092112 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	.9974	.9724	275.0	1120.
Stddev	.5913	.1600	1.3	32.
%RSD	59.28	16.45	.4611	2.872

#1	1.349	.8312	276.5	1102.
#2	1.329	1.146	274.1	1158.
#3	.3147	.9399	274.4	1101.

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	3720.0	37260.	3847.6
Stddev	9.7	105.	40.6
%RSD	.26047	.28165	1.0559

#1	3730.9	37152.	3825.1
#2	3712.6	37268.	3894.5
#3	3716.4	37361.	3823.2

Sample Name: 460-44341-a-15-e@4 Acquired: 9/22/2012 1:36:40 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44360.	22.98	-.8356	120.5	2.636	451.4
Stddev	181.	.24	.3053	.3	.190	10.1
%RSD	.4082	1.035	36.54	.2741	7.198	2.235

#1	44260.	23.05	-.4901	120.6	2.722	439.8
#2	44560.	23.18	-.9478	120.8	2.767	455.6
#3	44240.	22.72	-1.069	120.2	2.418	458.6

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5449	45.88	32.86	5.899	86580.	532.6
Stddev	.1223	.28	.36	3.333	490.	77.2
%RSD	22.44	.6181	1.105	56.49	.5658	14.49

#1	-.4395	45.57	33.27	3.569	87080.	506.8
#2	-.6790	46.14	32.72	4.412	86100.	471.7
#3	-.5162	45.92	32.58	9.716	86550.	619.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44341-a-15-e@4 Acquired: 9/22/2012 1:36:40 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	1092.	688.0	18.18	25.60	26.01	-3.105
Stddev	12.	3.5	13.81	.50	.36	1.692
%RSD	1.081	.5107	75.94	1.937	1.380	54.48

#1	1105.	690.8	3.818	25.18	25.69	-1.318
#2	1082.	684.0	31.35	26.15	26.40	-4.682
#3	1089.	689.1	19.37	25.48	25.96	-3.316

Check ?	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
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	-6.766	-7.164	78.95	52.57	2.202	.3047
Stddev	1.244	1.468	.19	.27	.540	.2209
%RSD	18.38	20.49	.2413	.5089	24.53	72.50

#1	-7.842	-8.851	79.01	52.44	1.902	.1702
#2	-7.053	-6.181	79.11	52.88	1.879	.1843
#3	-5.404	-6.459	78.74	52.40	2.825	.5597

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44341-a-15-e@4 Acquired: 9/22/2012 1:36:40 Type: Unk
 Method: SW846_092112 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	1.809	3.636	908.8	1434.
Stddev	.429	.155	3.6	37.
%RSD	23.72	4.265	.3908	2.610

#1	1.771	3.612	904.8	1435.
#2	2.256	3.494	911.5	1470.
#3	1.400	3.802	910.2	1395.

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	3847.4	38708.	4011.5
Stddev	7.5	180.	11.1
%RSD	.19610	.46603	.27562

#1	3854.1	38523.	4023.3
#2	3848.8	38884.	4001.4
#3	3839.2	38718.	4009.8

Sample Name: INT-10 1717509 Acquired: 9/21/2012 18:44:48 Type: QC

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.098	-2.572	-3.232	-1.974	-.2394	52.55
Stddev	67.30	.127	.815	.300	.0765	37.86
%RSD	6132.	4.937	25.22	15.19	31.95	72.05

#1	75.55	-2.428	-2.829	-1.982	-.2172	96.24
#2	-50.51	-2.669	-2.698	-2.269	-.1765	32.08
#3	-28.33	-2.618	-4.171	-1.670	-.3246	29.34

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.350	10780.	10460.	-1.076	-5.951	-.5322
Stddev	.039	20.	172.	2.515	22.55	23.10
%RSD	2.864	.1869	1.642	233.7	379.0	4340.

#1	-1.323	10800.	10510.	1.569	5.080	-5.098
#2	-1.332	10760.	10270.	-1.361	-31.89	24.51
#3	-1.394	10770.	10610.	-3.436	8.962	-21.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10 1717509 Acquired: 9/21/2012 18:44:48 Type: QC

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	8.157	10640.	69.94	10770.	-1.532	-9.006
Stddev	17.54	171.	26.47	20.	.957	.426
%RSD	215.1	1.608	37.86	.1885	62.48	4.733

#1	26.14	10750.	99.15	10790.	-.7209	-8.988
#2	7.236	10440.	47.54	10750.	-2.588	-8.590
#3	-8.908	10720.	63.11	10770.	-1.288	-9.442

Check ?	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
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	-.3901	-11.90	4963.	1.954	5.016	5092.
Stddev	.2392	1.07	82.	.054	.290	13.
%RSD	61.32	9.006	1.652	2.773	5.775	.2468

#1	-.1720	-11.34	4991.	1.999	4.995	5107.
#2	-.3525	-13.13	4871.	1.894	4.737	5083.
#3	-.6460	-11.22	5027.	1.968	5.315	5087.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10 1717509 Acquired: 9/21/2012 18:44:48 Type: QC
Method: SW846_092112 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	10420.	10310.	10100.	9641.
Stddev	28.	4.	131.	90.
%RSD	.2706	.0421	1.298	.9298

#1	10450.	10310.	10140.	9546.
#2	10400.	10320.	10200.	9654.
#3	10400.	10310.	9947.	9723.

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	3798.3	37605.	4057.6
Stddev	3.2	400.	40.2
%RSD	.08424	1.0644	.98990

#1	3795.5	37318.	4048.9
#2	3801.8	38062.	4022.4
#3	3797.8	37435.	4101.4

Sample Name: 460-44645-a-2-b du Acquired: 9/21/2012 18:49:15 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-15.15	3.191	.0736	21.65	-.0286	25110.
Stddev	29.86	1.393	.0993	.16	.1560	75.
%RSD	197.1	43.66	134.9	.7384	546.2	.2991

#1	-34.31	3.568	.0180	21.48	-.1767	25030.
#2	-30.39	4.357	.0145	21.66	-.0433	25120.
#3	19.25	1.648	.1882	21.80	.1343	25180.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0937	.4898	.8050	-3.922	22.72	661.5
Stddev	.1789	.2226	.2165	4.396	11.07	29.7
%RSD	190.9	45.45	26.90	112.1	48.75	4.487

#1	-.1670	.6728	1.038	-8.693	33.31	678.2
#2	.1102	.2420	.6098	-3.038	23.61	679.1
#3	-.2242	.5547	.7673	-.0363	11.22	627.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44645-a-2-b du Acquired: 9/21/2012 18:49:15 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	6126.	32.11	30610.	1.819	1.303	-3.629
Stddev	72.	.32	82.	.839	.219	2.615
%RSD	1.175	1.001	.2666	46.13	16.79	72.07

#1	6043.	32.48	30540.	.9668	1.061	-3.764
#2	6170.	31.91	30590.	1.846	1.486	-.9486
#3	6165.	31.95	30700.	2.644	1.361	-6.174

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	-1.030	-4.045	.9774	2.051	26.20	3.115
Stddev	2.268	1.731	.4894	.158	.53	1.431
%RSD	220.3	42.81	50.07	7.687	2.008	45.93

#1	.6440	-2.108	1.337	2.059	26.73	4.738
#2	-.1217	-4.582	.4201	2.204	26.17	2.577
#3	-3.612	-5.443	1.175	1.889	25.68	2.032

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44645-a-2-b du Acquired: 9/21/2012 18:49:15 Type: Unk
Method: SW846_092112 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	.7406	102.7	.9035	3062.
Stddev	1.212	1.0	.6582	33.
%RSD	163.7	.9499	72.85	1.080

#1	1.559	103.8	.3726	3025.
#2	1.314	101.9	.6979	3086.
#3	-.6519	102.5	1.640	3076.

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	3725.0	36991.	4068.8
Stddev	12.1	266.	41.8
%RSD	.32380	.71969	1.0274

#1	3739.0	37294.	4021.4
#2	3718.6	36887.	4100.5
#3	3717.6	36793.	4084.5

Sample Name: 460-44645-e-2-c Acquired: 9/21/2012 18:53:32 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.162	1.376	-.2476	20.56	-.0514	24120.
Stddev	.844	1.532	.4940	.40	.1190	379.
%RSD	26.70	111.4	199.5	1.924	231.5	1.573

#1	-4.043	2.411	-.8158	20.12	-.1051	23920.
#2	-2.360	2.100	.0795	20.69	.0850	23880.
#3	-3.082	-.3843	-.0066	20.88	-.1341	24550.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0257	.5209	.0263	-3.004	35.34	709.8
Stddev	.0944	.0978	.7564	7.168	10.40	23.6
%RSD	367.5	18.77	2878.	238.6	29.43	3.324

#1	-.1164	.6221	.6550	.3581	45.96	736.6
#2	.0720	.4269	-.8131	-11.23	25.18	692.3
#3	-.0326	.5138	.2370	1.865	34.87	700.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44645-e-2-c Acquired: 9/21/2012 18:53:32 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	5959.	30.92	29700.	1.958	.0935	-2.438
Stddev	103.	.49	455.	.418	.2050	1.977
%RSD	1.724	1.584	1.531	21.35	219.3	81.06

#1	6008.	31.27	29670.	2.439	-.1431	-1.851
#2	5840.	30.36	29260.	1.739	.2193	-.8220
#3	6027.	31.14	30170.	1.695	.2043	-4.642

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	-.1556	-3.992	.0981	2.103	24.95	1.330
Stddev	.4146	1.362	.3194	.122	.91	.329
%RSD	266.5	34.11	325.5	5.789	3.637	24.77

#1	-.4850	-2.437	-.0825	2.049	23.91	1.150
#2	-.2918	-4.570	.4669	2.017	25.54	1.710
#3	.3100	-4.969	-.0901	2.242	25.41	1.129

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44645-e-2-c Acquired: 9/21/2012 18:53:32 Type: Unk
Method: SW846_092112 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	.5059	98.15	2.314	2909.
Stddev	.2625	1.40	1.957	73.
%RSD	51.88	1.428	84.57	2.512

#1	.7537	98.08	2.382	2853.
#2	.2309	96.79	.3244	2883.
#3	.5331	99.59	4.237	2992.

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	3819.8	37528.	4108.0
Stddev	55.0	459.	45.0
%RSD	1.4402	1.2241	1.0950

#1	3879.5	37272.	4080.4
#2	3808.8	38058.	4159.9
#3	3771.1	37253.	4083.7

Sample Name: sd 460-44645-e-2-c Acquired: 9/21/2012 18:57:50 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-20.03	2.603	-.2739	4.249	.0601	4851.
Stddev	15.01	1.437	.4678	.113	.0847	10.
%RSD	74.93	55.20	170.8	2.651	140.8	.2009

#1	-20.63	3.453	-.7189	4.121	.0964	4861.
#2	-4.733	.9440	-.3167	4.329	-.0366	4841.
#3	-34.73	3.411	.2138	4.298	.1206	4852.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1805	-.1294	-.5086	-3.016	9.212	110.3
Stddev	.1093	.2435	.2996	2.556	8.098	22.9
%RSD	60.55	188.1	58.91	84.74	87.91	20.77

#1	-.0822	.0159	-.2466	-4.302	14.83	133.7
#2	-.1612	.0063	-.8353	-.0727	-.0702	87.96
#3	-.2982	-.4105	-.4440	-4.675	12.87	109.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-44645-e-2-c Acquired: 9/21/2012 18:57:50 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	1236.	6.312	6095.	.6611	1.424	.4943
Stddev	13.	.037	57.	.3907	1.219	4.599
%RSD	1.065	.5792	.9317	59.10	85.57	930.4

#1	1225.	6.341	6030.	.3739	.2158	5.601
#2	1234.	6.271	6122.	1.106	2.653	-3.319
#3	1251.	6.325	6133.	.5034	1.404	-.7992

Check ?	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
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	-3.230	-1.790	-.1555	.5506	4.725	.1524
Stddev	1.359	1.673	.5418	.1005	.187	.4652
%RSD	42.08	93.47	348.4	18.24	3.953	305.4

#1	-1.860	-.1487	.3937	.5746	4.889	.4107
#2	-4.578	-1.728	-.6896	.4404	4.522	.4311
#3	-3.253	-3.493	-.1706	.6369	4.763	-.3847

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-44645-e-2-c Acquired: 9/21/2012 18:57:50 Type: Unk
Method: SW846_092112 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	.6188	20.14	1.258	599.9
Stddev	.8937	.32	.547	33.7
%RSD	144.4	1.565	43.53	5.621

#1	.4796	19.80	1.827	563.0
#2	1.574	20.43	1.210	607.6
#3	-.1971	20.18	.7356	629.2

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	3810.0	37870.	4082.9
Stddev	21.6	374.	64.0
%RSD	.56661	.98838	1.5687

#1	3834.0	38158.	4145.9
#2	3792.3	38006.	4017.8
#3	3803.6	37447.	4085.2

Sample Name: 460-44645-e-2-d.ms Acquired: 9/21/2012 19:02:08 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1959.	2032.	48.90	2104.	50.84	44380.
Stddev	13.	10.	.90	12.	.07	687.
%RSD	.6683	.5112	1.837	.5835	.1351	1.548

#1	1971.	2021.	47.92	2090.	50.78	44720.
#2	1945.	2032.	49.11	2111.	50.91	43590.
#3	1962.	2042.	49.68	2111.	50.82	44840.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.09	516.7	203.5	252.1	1060.	20220.
Stddev	.38	2.4	1.2	2.9	7.	50.
%RSD	.7318	.4578	.5722	1.136	.6185	.2471

#1	51.68	514.1	204.8	251.6	1054.	20170.
#2	52.19	517.2	203.1	249.5	1067.	20260.
#3	52.42	518.7	202.5	255.1	1059.	20240.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44645-e-2-d.ms Acquired: 9/21/2012 19:02:08 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	26020.	561.3	50400.	523.9	532.7	510.3
Stddev	128.	2.5	50.	3.0	1.4	1.2
%RSD	.4908	.4494	.0991	.5792	.2713	.2255

#1	26170.	564.1	50410.	520.4	532.3	509.3
#2	25940.	559.3	50450.	525.9	531.5	511.5
#3	25960.	560.4	50350.	525.5	534.3	510.0

Check ?	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
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	1965.	2175.	497.6	512.0	539.2	520.4
Stddev	12.	12.	2.5	2.8	3.8	2.6
%RSD	.6108	.5459	.5071	.5435	.6971	.4967

#1	1952.	2162.	500.5	508.8	534.9	517.4
#2	1974.	2185.	496.0	513.4	540.9	521.4
#3	1969.	2180.	496.2	513.8	541.8	522.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44645-e-2-d ms Acquired: 9/21/2012 19:02:08 Type: Unk
 Method: SW846_092112 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	527.9	600.3	516.4	3148.
Stddev	3.5	.8	.7	26.
%RSD	.6551	.1313	.1360	.8208

#1	524.5	599.9	515.6	3138.
#2	527.8	601.2	516.8	3128.
#3	531.4	599.8	516.9	3177.

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	3674.7	36382.	4061.3
Stddev	8.7	249.	18.9
%RSD	.23750	.68414	.46562

#1	3668.1	36099.	4058.2
#2	3684.6	36568.	4044.2
#3	3671.4	36478.	4081.6

Sample Name: 460-44636-e-1-b Acquired: 9/21/2012 19:10:04 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	808.2	1.805	-.3523	35.55	-.0515	7213.
Stddev	14.0	.961	.3055	.21	.1010	39.
%RSD	1.727	53.22	86.69	.5784	195.9	.5371

#1	816.2	1.237	-.1306	35.31	-.1665	7253.
#2	792.1	2.914	-.2256	35.67	-.0109	7210.
#3	816.3	1.264	-.7008	35.66	.0228	7175.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1324	1.018	2.103	1.538	1304.	2272.
Stddev	.1185	.171	.404	6.257	13.	65.
%RSD	89.52	16.77	19.22	406.9	.9705	2.848

#1	-.0006	1.139	2.231	-3.962	1302.	2329.
#2	.2268	1.093	1.650	.2305	1293.	2287.
#3	.1708	.8229	2.426	8.345	1318.	2202.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44636-e-1-b Acquired: 9/21/2012 19:10:04 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	1728.	597.2	6924.	4.174	1.343	-1.361
Stddev	13.	3.6	38.	.324	.147	1.740
%RSD	.7599	.5998	.5506	7.758	10.98	127.9

#1	1714.	594.4	6943.	4.124	1.228	.2852
#2	1732.	596.0	6949.	4.520	1.291	-1.186
#3	1740.	601.2	6880.	3.878	1.509	-3.182

Check ?	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
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	-1.9617	-3.199	1.826	87.33	30.37	.6543
Stddev	1.151	1.088	.169	.36	.91	.3662
%RSD	119.7	34.03	9.265	.4070	3.002	55.98

#1	-1.656	-3.099	1.890	86.92	30.02	.9793
#2	-1.597	-2.163	1.635	87.52	31.41	.2575
#3	.3672	-4.333	1.955	87.56	29.69	.7261

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44636-e-1-b Acquired: 9/21/2012 19:10:04 Type: Unk
Method: SW846_092112 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	.0136	57.23	48.67	7159.
Stddev	.2182	.48	3.24	16.
%RSD	1610.	.8338	6.648	.2165

#1	.2051	57.43	52.18	7177.
#2	.0596	57.57	48.03	7147.
#3	-.2240	56.68	45.80	7154.

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	3808.1	37568.	4093.0
Stddev	.9	67.	22.0
%RSD	.02474	.17731	.53730

#1	3808.8	37599.	4084.5
#2	3807.1	37613.	4076.5
#3	3808.6	37492.	4118.0

Sample Name: lcs 460-128401/2-a Acquired: 9/21/2012 19:14:19 Type: QC

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1941.	1990.	48.86	2057.	50.40	18980.
Stddev	28.	9.	.57	8.	.53	68.
%RSD	1.441	.4692	1.175	.3696	1.058	.3573

#1	1973.	1979.	49.51	2048.	50.98	18990.
#2	1923.	1996.	48.59	2063.	50.31	19050.
#3	1927.	1994.	48.46	2059.	49.92	18910.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.53	511.9	201.6	249.7	1027.	19490.
Stddev	.42	1.4	.4	3.3	14.	64.
%RSD	.8235	.2768	.1926	1.337	1.380	.3302

#1	51.06	510.3	201.6	252.2	1038.	19460.
#2	51.89	513.0	201.9	251.0	1033.	19560.
#3	51.63	512.3	201.2	245.9	1011.	19440.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-128401/2-a Acquired: 9/21/2012 19:14:19 Type: QC

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	20170.	528.1	20600.	520.8	530.8	500.9
Stddev	76.	1.1	76.	3.0	.9	1.8
%RSD	.3749	.2098	.3666	.5741	.1787	.3608

#1	20250.	529.3	20640.	517.4	530.0	498.9
#2	20120.	527.9	20650.	523.2	531.9	502.4
#3	20120.	527.1	20520.	521.7	530.5	501.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	1930.	2189.	491.7	504.2	505.8	511.4
Stddev	11.	10.	2.6	2.5	2.4	2.3
%RSD	.5543	.4606	.5276	.5014	.4705	.4555

#1	1922.	2178.	494.6	501.4	503.1	509.0
#2	1942.	2196.	490.7	506.3	507.3	513.7
#3	1926.	2193.	489.7	504.8	507.1	511.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-128401/2-a Acquired: 9/21/2012 19:14:19 Type: QC
Method: SW846_092112 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	521.1	500.9	512.4	55.44
Stddev	2.1	1.9	2.0	14.11
%RSD	.4080	.3783	.3885	25.44

#1	519.1	501.9	511.4	41.50
#2	523.4	502.0	514.7	55.12
#3	520.8	498.7	511.0	69.70

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	3726.1	36744.	4027.7
Stddev	12.7	33.	19.4
%RSD	.34104	.09023	.48093

#1	3740.3	36780.	4019.3
#2	3722.0	36715.	4014.0
#3	3715.9	36738.	4049.9

Sample Name: CCV Acquired: 9/21/2012 19:18:20 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120700.	2429.	1196.	9708.	972.4	123500.
Stddev	729.	17.	23.	84.	5.6	1988.
%RSD	.6035	.6918	1.918	.8623	.5774	1.610

#1	121300.	2449.	1216.	9804.	977.8	125800.
#2	119900.	2418.	1171.	9648.	966.6	122600.
#3	121000.	2422.	1201.	9673.	972.8	122200.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1221.	2437.	4879.	12190.	97620.	48450.
Stddev	9.	17.	99.	87.	2002.	295.
%RSD	.7745	.7162	2.033	.7171	2.051	.6089

#1	1231.	2456.	4960.	12260.	99290.	48610.
#2	1214.	2423.	4768.	12090.	95400.	48110.
#3	1216.	2431.	4908.	12220.	98170.	48640.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/21/2012 19:18:20 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	122200.	4983.	123300.	2459.	7441.	973.0
Stddev	2606.	102.	651.	18.	57.	8.0
%RSD	2.132	2.054	.5275	.7199	.7604	.8257

#1	124300.	5067.	123800.	2478.	7505.	981.7
#2	119300.	4869.	122600.	2444.	7402.	965.9
#3	123100.	5013.	123500.	2454.	7415.	971.3

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	2399.	2474.	2403.	2421.	964.1	2437.
Stddev	15.	18.	48.	18.	4.2	19.
%RSD	.6121	.7079	2.009	.7635	.4345	.7914

#1	2416.	2494.	2444.	2442.	968.4	2460.
#2	2389.	2465.	2350.	2407.	960.1	2424.
#3	2393.	2462.	2413.	2414.	963.9	2429.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/21/2012 19:18:20 Type: QC
Method: SW846_092112 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	979.2	4987.	9815.	9390.
Stddev	6.4	34.	58.	47.
%RSD	.6577	.6732	.5891	.5020

#1	986.6	5022.	9866.	9437.
#2	975.5	4954.	9752.	9342.
#3	975.4	4986.	9825.	9392.

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	3533.4	34493.	3976.3
Stddev	19.4	679.	17.3
%RSD	.54783	1.9697	.43580

#1	3512.1	34052.	3964.6
#2	3549.8	35275.	3996.2
#3	3538.5	34151.	3968.0

Sample Name: CCB Acquired: 9/21/2012 19:22:15 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.272	2.234	.2797	.7621	.1453	11.75
Stddev	27.48	1.027	.3078	.1343	.1416	15.83
%RSD	438.2	45.99	110.0	17.62	97.48	134.7
#1	-37.11	1.406	.5979	.6856	.2555	28.55
#2	15.64	3.383	-.0165	.9172	.1949	9.586
#3	2.652	1.912	.2578	.6836	-.0145	-2.877

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0784	.3904	.2667	-.3344	5.402	81.14
Stddev	.1553	.2774	.0193	2.121	6.031	80.55
%RSD	197.9	71.06	7.249	634.1	111.7	99.27
#1	.2571	.2188	.2886	1.544	7.173	135.6
#2	.0015	.2420	.2593	.0863	10.35	119.2
#3	-.0234	.7105	.2521	-2.634	-1.317	-11.39

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/21/2012 19:22:15 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	7.726	.4330	64.68	.5713	.4747	-1.803
Stddev	5.467	.0688	16.54	.4149	.9737	1.197
%RSD	70.77	15.89	25.58	72.61	205.1	66.41

#1	5.214	.5101	80.84	.1036	1.369	-2.700
#2	3.966	.4114	47.78	.7155	.6178	-2.266
#3	14.00	.3777	65.40	.8949	-.5626	-.4432

Check ?	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
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	-1.571	-2.352	-.2250	.3460	1.580	1.241
Stddev	3.971	2.148	.3583	.1823	.850	.462
%RSD	252.8	91.34	159.3	52.69	53.77	37.21

#1	.5863	-3.191	-.2455	.1839	2.532	1.774
#2	-6.153	.0893	.1432	.5434	1.315	.9949
#3	.8549	-3.954	-.5726	.3107	.8953	.9545

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/21/2012 19:22:15 Type: QC
Method: SW846_092112 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	.2450	.5503	-.2460	-9.035
Stddev	.0719	.2180	2.341	15.97
%RSD	29.36	39.62	951.5	176.8

#1	.1666	.7764	-1.167	-26.98
#2	.2605	.3414	-1.986	3.608
#3	.3078	.5331	2.415	-3.731

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	3797.7	38123.	4061.1
Stddev	28.0	600.	13.3
%RSD	.73811	1.5726	.32682

#1	3823.5	38806.	4074.3
#2	3767.9	37880.	4061.4
#3	3801.8	37683.	4047.7

Sample Name: mb 460-128401/1-a Acquired: 9/21/2012 19:26:34 Type: QC

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-9.462	.2378	-.4887	.1098	.1960	45.40
Stddev	14.55	.3171	.3743	.2481	.0393	16.06
%RSD	153.8	133.3	76.58	226.0	20.03	35.37

#1	-8.788	.5828	-.6117	.2949	.2246	63.81
#2	-24.34	.1715	-.7861	.2065	.1513	34.34
#3	4.739	-.0409	-.0685	-.1721	.2121	38.03

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0780	-.0253	.3362	-1.156	3.326	12.97
Stddev	.0530	.1796	.2376	3.618	10.51	20.55
%RSD	67.97	711.0	70.68	313.0	316.1	158.4

#1	.0281	-.0278	.2081	2.783	-8.652	26.25
#2	.1337	-.2036	.1901	-1.918	7.603	23.36
#3	.0722	.1556	.6104	-4.332	11.03	-10.70

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-128401/1-a Acquired: 9/21/2012 19:26:34 Type: QC

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	1.444	.1795	28.29	.2359	-.8732	1.783
Stddev	1.155	.1023	25.56	.5096	1.054	5.963
%RSD	79.96	56.99	90.36	216.0	120.7	334.4

#1	.1158	.1354	55.60	.8224	-.2132	-4.609
#2	2.007	.2965	24.30	-.0161	-2.089	2.762
#3	2.209	.1067	4.952	-.0986	-.3175	7.196

Check ?	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
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	-1.060	-.7861	.4968	.8808	2.772	.3463
Stddev	2.210	1.893	.3879	.0707	.705	.1385
%RSD	208.4	240.8	78.08	8.032	25.42	39.99

#1	.7618	-.1443	.8025	.8450	2.509	.3877
#2	-.4246	.7023	.6275	.9623	2.237	.1918
#3	-3.518	-2.916	.0604	.8351	3.570	.4593

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-128401/1-a Acquired: 9/21/2012 19:26:34 Type: QC
Method: SW846_092112 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	.2151	.4112	.4586	38.87
Stddev	.5954	.1792	1.749	20.63
%RSD	276.8	43.58	381.2	53.06

#1	.8205	.4860	-1.515	62.42
#2	.1945	.5408	1.078	30.21
#3	-.3698	.2067	1.813	24.00

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	3751.0	37997.	4029.7
Stddev	22.4	241.	28.3
%RSD	.59812	.63372	.70266

#1	3774.8	38138.	4022.3
#2	3748.0	37719.	4060.9
#3	3730.2	38134.	4005.7

Sample Name: 460-44636-e-3-b Acquired: 9/21/2012 19:35:09 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3195	1.470	.0178	23.63	-.0708	10230.
Stddev	11.08	1.674	.4421	.41	.0786	83.
%RSD	3468.	113.9	2483.	1.744	111.0	.8158

#1	-3.835	-.1053	-.0125	23.57	.0038	10280.
#2	-9.216	3.228	-.4083	23.25	-.1529	10130.
#3	12.09	1.288	.4742	24.07	-.0634	10270.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0306	.3161	-.3171	.1713	137.3	1718.
Stddev	.0331	.0500	.9127	4.133	9.8	54.
%RSD	108.1	15.83	287.9	2413.	7.160	3.169

#1	.0430	.3157	-1.073	-3.683	148.4	1664.
#2	-.0069	.2663	.6969	4.536	129.9	1717.
#3	.0557	.3664	-.5752	-.3395	133.5	1773.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44636-e-3-b Acquired: 9/21/2012 19:35:09 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	2566.	215.9	18190.	4.327	1.105	.4801
Stddev	30.	2.6	128.	.261	.953	.3801
%RSD	1.170	1.220	.7024	6.042	86.24	79.17

#1	2537.	213.4	18050.	4.026	1.725	.8799
#2	2564.	215.8	18310.	4.503	.0077	.4374
#3	2597.	218.7	18200.	4.451	1.582	.1232

Check ?	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
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	-3.653	-2.727	.0561	3.245	42.94	.0998
Stddev	1.443	.792	.5678	.065	.84	.1721
%RSD	39.49	29.06	1012.	1.995	1.947	172.6

#1	-2.282	-2.402	.4008	3.240	43.13	.2812
#2	-3.520	-3.630	.3667	3.183	42.02	.0793
#3	-5.158	-2.148	-.5992	3.312	43.66	-.0613

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44636-e-3-b Acquired: 9/21/2012 19:35:09 Type: Unk
Method: SW846_092112 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	.1669	102.6	.3734	4603.
Stddev	.0731	.6	1.687	102.
%RSD	43.81	.5857	451.9	2.205

#1	.2503	102.0	-1.041	4607.
#2	.1371	103.2	-.0796	4499.
#3	.1134	102.8	2.241	4702.

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	3746.6	37555.	4037.0
Stddev	28.9	470.	52.7
%RSD	.77128	1.2506	1.3054

#1	3731.3	37890.	4063.0
#2	3779.9	37756.	3976.4
#3	3728.6	37018.	4071.7

Sample Name: 460-44636-e-4-b Acquired: 9/21/2012 19:39:27 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	162.6	3.397	.4621	20.39	.1178	3792.
Stddev	4.8	.145	.6083	.30	.2004	14.
%RSD	2.930	4.278	131.6	1.488	170.1	.3806

#1	158.6	3.325	.9401	20.42	-.0891	3783.
#2	161.2	3.564	-.2226	20.68	.1314	3784.
#3	167.8	3.301	.6689	20.07	.3110	3809.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1041	.2189	.2913	.0421	582.9	1194.
Stddev	.1528	.4310	.1124	2.159	13.8	27.
%RSD	146.9	196.9	38.58	5128.	2.364	2.238

#1	-.0320	.1925	.1656	-1.371	575.1	1189.
#2	.0748	.6626	.3260	-1.031	574.7	1223.
#3	.2694	-.1983	.3821	2.528	598.8	1170.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44636-e-4-b Acquired: 9/21/2012 19:39:27 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	995.2	94.58	12290.	1.073	.4208	-1.201
Stddev	19.3	1.74	89.	.128	.7914	.897
%RSD	1.941	1.839	.7242	11.88	188.0	74.70

#1	977.2	92.76	12220.	1.018	1.332	-.4453
#2	1016.	96.22	12390.	1.218	.0278	-.9654
#3	992.7	94.76	12270.	.9819	-.0971	-2.193

Check ?	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
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	-2.818	-3.552	.9192	12.60	16.26	.2171
Stddev	2.066	.874	.0682	.10	.03	.4597
%RSD	73.33	24.61	7.418	.8266	.2040	211.7

#1	-4.748	-4.403	.9482	12.51	16.23	.6596
#2	-3.068	-2.656	.8413	12.72	16.29	.2499
#3	-.6380	-3.597	.9681	12.59	16.24	-.2581

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44636-e-4-b Acquired: 9/21/2012 19:39:27 Type: Unk
Method: SW846_092112 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	.1813	30.33	8.162	3891.
Stddev	.7817	.31	.635	36.
%RSD	431.2	1.032	7.780	.9329

#1	-.5683	30.14	7.985	3922.
#2	.1207	30.69	7.634	3900.
#3	.9915	30.15	8.867	3851.

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	3740.7	37630.	4014.0
Stddev	4.1	785.	19.7
%RSD	.10834	2.0864	.49074

#1	3743.1	38444.	4034.4
#2	3736.0	36877.	3995.0
#3	3743.0	37570.	4012.6

Sample Name: 460-44660-a-29-a Acquired: 9/21/2012 19:43:44 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.63	2.965	.2111	.4985	.1703	122.1
Stddev	20.81	2.292	.4049	.1916	.0646	19.7
%RSD	195.8	77.30	191.8	38.44	37.91	16.10

#1	18.69	.3186	-.1883	.2853	.1719	143.9
#2	-13.01	4.282	.6212	.6564	.1050	105.7
#3	26.20	4.295	.2005	.5537	.2341	116.7

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.180	-.2426	-.4009	-.9767	54.13	41.11
Stddev	.129	.0581	.1800	3.212	9.32	64.26
%RSD	10.92	23.95	44.89	328.9	17.22	156.3

#1	1.179	-.2086	-.4405	2.607	56.57	105.4
#2	1.052	-.2095	-.5578	-3.596	61.98	40.98
#3	1.310	-.3097	-.2045	-1.941	43.82	-23.08

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44660-a-29-a Acquired: 9/21/2012 19:43:44 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	21.74	.8285	295.7	.8704	.3437	-1.789
Stddev	4.37	.0251	13.1	.6389	2.130	.502
%RSD	20.09	3.028	4.417	73.41	619.5	28.08

#1	22.51	.8449	306.5	.5149	-1.443	-1.833
#2	25.68	.7996	299.5	1.608	-.2267	-1.266
#3	17.04	.8410	281.2	.4883	2.701	-2.268

Check ?	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
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	-.8362	-2.460	.4301	4.809	1.513	.2360
Stddev	1.992	2.089	.4834	.137	.433	.3341
%RSD	238.2	84.89	112.4	2.855	28.62	141.5

#1	-2.839	-2.826	-.0155	4.800	1.997	-.0210
#2	-.8131	-.2129	.3616	4.676	1.378	.6137
#3	1.144	-4.342	.9440	4.950	1.163	.1155

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44660-a-29-a Acquired: 9/21/2012 19:43:44 Type: Unk
Method: SW846_092112 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	.6450	.4098	1.117	51.62
Stddev	.5247	.1359	1.590	19.42
%RSD	81.35	33.16	142.3	37.62

#1	1.220	.4190	-.7153	29.24
#2	.5242	.2695	1.939	61.57
#3	.1912	.5408	2.128	64.05

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	3780.0	37705.	4058.9
Stddev	27.9	223.	27.8
%RSD	.73851	.59189	.68501

#1	3749.7	37707.	4065.5
#2	3804.6	37927.	4028.4
#3	3785.9	37480.	4082.8

Sample Name: 460-44704-g-2-a Acquired: 9/21/2012 19:48:02 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	354.9	1.884	.1007	155.1	.0045	61580.
Stddev	19.4	1.227	.6976	.7	.1562	616.
%RSD	5.471	65.13	692.7	.4282	3450.	1.001

#1	369.9	3.299	.1624	155.6	-.0159	62280.
#2	361.8	1.245	.7654	155.4	.1699	61370.
#3	333.0	1.109	-.6257	154.4	-.1404	61100.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0765	1.118	.5225	-1.508	616.2	11180.
Stddev	.2213	.166	.6984	4.361	11.8	59.
%RSD	289.5	14.82	133.7	289.1	1.917	.5308

#1	-.1041	1.310	1.214	-4.681	629.7	11160.
#2	.0101	1.033	-.1826	-3.308	610.6	11240.
#3	.3233	1.013	.5363	3.464	608.2	11130.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44704-g-2-a Acquired: 9/21/2012 19:48:02 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	19210.	5226.	100100.	3.627	1.314	-.0545
Stddev	42.	9.	599.	.793	1.992	1.722
%RSD	.2176	.1780	.5986	21.86	151.6	3158.

#1	19170.	5219.	100400.	3.272	2.476	1.563
#2	19210.	5223.	100500.	4.536	2.453	-1.865
#3	19260.	5236.	99400.	3.074	-.9861	.1379

Check ?	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
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	1.692	-7.959	1.378	13.20	211.5	.7749
Stddev	.993	3.729	.426	.04	1.5	.3058
%RSD	58.67	46.85	30.94	.3073	.7018	39.47

#1	1.470	-9.723	1.501	13.18	213.1	.4458
#2	2.777	-3.675	1.730	13.17	211.2	1.050
#3	.8290	-10.48	.9039	13.25	210.1	.8285

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44704-g-2-a Acquired: 9/21/2012 19:48:02 Type: Unk
Method: SW846_092112 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	.7033	386.8	29.86	5838.
Stddev	.1789	2.7	2.57	61.
%RSD	25.44	.7073	8.613	1.044

#1	.8382	388.3	32.81	5869.
#2	.5004	388.5	28.07	5878.
#3	.7713	383.7	28.72	5768.

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	3607.0	35082.	3980.8
Stddev	18.0	67.	15.9
%RSD	.49930	.19184	.39898

#1	3593.7	35136.	3992.5
#2	3599.9	35104.	3962.7
#3	3627.5	35007.	3987.2

Sample Name: 460-44628-c-22-b Acquired: 9/21/2012 19:52:14 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-20.58	1.321	.2042	.0131	.1280	23.42
Stddev	6.99	.656	.7667	.1812	.0553	4.29
%RSD	33.96	49.64	375.6	1379.	43.20	18.30

#1	-28.65	2.027	.9443	.0193	.1130	26.65
#2	-16.56	1.205	-.5866	.1912	.0818	18.55
#3	-16.53	.7313	.2548	-.1711	.1893	25.05

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0645	-.2480	-.6314	-8.030	2.779	1.867
Stddev	.0822	.1510	.2887	2.678	11.06	15.55
%RSD	127.4	60.90	45.73	33.34	397.9	833.3

#1	.0143	-.1256	-.7045	-5.221	15.49	19.18
#2	-.1497	-.4168	-.8766	-8.315	-4.657	-2.671
#3	-.0582	-.2017	-.3131	-10.55	-2.492	-10.91

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44628-c-22-b Acquired: 9/21/2012 19:52:14 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	-3.208	.4668	74.59	-.3561	-.4473	-2.284
Stddev	3.900	.4199	30.29	.6276	.8125	2.114
%RSD	121.6	89.94	40.61	176.2	181.6	92.54

#1	-.0471	.9237	109.1	-.6339	.3146	-4.557
#2	-7.567	.3788	62.05	.3624	-.3542	-1.920
#3	-2.010	.0979	52.59	-.7968	-1.302	-.3764

Check ?	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
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	-1.808	-4.549	.0965	.7268	24.71	.0594
Stddev	1.374	.082	.5515	.0724	.57	.1092
%RSD	76.01	1.801	571.3	9.956	2.309	184.0

#1	-3.132	-4.459	.4801	.7882	25.36	.1035
#2	-1.901	-4.568	-.5355	.6470	24.52	-.0650
#3	-.3892	-4.619	.3450	.7451	24.27	.1396

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44628-c-22-b Acquired: 9/21/2012 19:52:14 Type: Unk
Method: SW846_092112 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	.1058	.0885	.2613	41.60
Stddev	.6717	.1200	.7166	22.91
%RSD	634.9	135.6	274.2	55.08

#1	-.3788	.1179	.4184	67.80
#2	-.1763	-.0435	-.5208	25.34
#3	.8725	.1911	.8863	31.65

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	3810.7	37891.	4060.7
Stddev	11.1	474.	27.3
%RSD	.29235	1.2512	.67116

#1	3816.4	38378.	4038.9
#2	3817.9	37431.	4052.1
#3	3797.9	37864.	4091.3

Sample Name: 460-44570-h-1-a Acquired: 9/21/2012 19:56:32 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	62.46	2.479	-.0155	88.72	.1080	40830.
Stddev	45.06	1.683	.4020	1.10	.1281	892.
%RSD	72.15	67.89	2589.	1.235	118.6	2.186

#1	10.44	.6073	-.1233	87.52	.1093	40130.
#2	87.54	3.868	-.3527	88.95	.2355	40520.
#3	89.40	2.962	.4294	89.68	-.0207	41830.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0634	6.399	-.1032	-4.731	836.8	10960.
Stddev	.0768	.178	.2983	1.085	12.4	25.
%RSD	121.1	2.782	288.9	22.94	1.485	.2309

#1	-.1295	6.199	.2209	-5.102	822.7	10980.
#2	.0209	6.540	-.1643	-3.509	842.1	10950.
#3	-.0816	6.459	-.3662	-5.583	845.8	10930.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44570-h-1-a Acquired: 9/21/2012 19:56:32 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	24930.	1679.	35060.	.3627	.1276	-2.657
Stddev	287.	20.	225.	.4604	.9009	.618
%RSD	1.152	1.183	.6404	126.9	706.1	23.25

#1	24770.	1665.	35260.	.8173	-.4101	-3.078
#2	24760.	1670.	35110.	.3739	-.3748	-1.948
#3	25260.	1702.	34820.	-.1032	1.168	-2.946

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	-1.031	-5.780	1.819	1.876	57.98	-.0426
Stddev	3.012	1.767	.140	.144	1.16	.1651
%RSD	292.2	30.57	7.696	7.696	2.008	388.0

#1	-3.257	-3.804	1.960	1.714	56.63	-.0955
#2	-2.232	-6.329	1.817	1.993	58.66	-.1747
#3	2.396	-7.208	1.680	1.919	58.64	.1425

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44570-h-1-a Acquired: 9/21/2012 19:56:32 Type: Unk
 Method: SW846_092112 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	.1027	366.3	3.223	18720.
Stddev	.2239	3.0	2.344	178.
%RSD	217.9	.8144	72.72	.9517

#1	.0978	369.0	.6692	18520.
#2	.3290	366.8	5.275	18750.
#3	-.1186	363.1	3.724	18870.

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	3666.5	36292.	4034.9
Stddev	37.1	205.	30.6
%RSD	1.0129	.56462	.75864

#1	3693.9	36354.	3999.6
#2	3681.5	36460.	4053.5
#3	3624.3	36064.	4051.7

Sample Name: ICSA 1552029 Acquired: 9/21/2012 20:00:45 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	524600.	-.7727	-1.072	-.0286	.0839	483800.
Stddev	8377.	.9836	.810	.2793	.1860	2285.
%RSD	1.597	127.3	75.58	977.0	221.7	.4723

#1	523900.	.3599	-.1640	-.3508	.2966	485300.
#2	533200.	-1.412	-1.721	.1214	.0031	484800.
#3	516500.	-1.266	-1.330	.1437	-.0481	481100.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.125	-.9936	1.307	-6.015	203200.	98.51
Stddev	.287	.3635	.356	5.445	2115.	46.08
%RSD	13.52	36.58	27.23	90.53	1.041	46.78

#1	-1.799	-.5767	1.084	.2725	200700.	102.6
#2	-2.343	-1.244	1.119	-9.177	204500.	50.51
#3	-2.231	-1.161	1.717	-9.141	204300.	142.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: IC5A 1552029 Acquired: 9/21/2012 20:00:45 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	508700.	-6801	21.96	-3.351	5.400	-2.755
Stddev	11330.	.1065	22.51	.438	.412	3.810
%RSD	2.226	15.67	102.5	13.07	7.621	138.3

#1	496300.	-.7445	12.19	-2.869	5.108	-6.805
#2	518600.	-.5572	5.984	-3.724	5.221	-2.219
#3	511300.	-.7388	47.70	-3.461	5.871	.7581

Check ?	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
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	-7.069	-4.648	2.863	.2651	-.9293	-1.141
Stddev	4.993	2.633	.207	.1271	.5563	.649
%RSD	70.64	56.65	7.232	47.95	59.86	56.86

#1	-8.592	-5.385	3.096	.1227	-1.145	-1.346
#2	-11.12	-6.833	2.699	.3052	-.2974	-.4145
#3	-1.491	-1.725	2.793	.3672	-1.345	-1.663

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 1552029 Acquired: 9/21/2012 20:00:45 Type: QC
Method: SW846_092112 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	-2.564	-.1960	-2.472	12.49
Stddev	.324	.1261	2.621	29.11
%RSD	12.62	64.30	106.1	233.0

#1	-2.739	-.3373	-2.297	46.08
#2	-2.762	-.1558	-5.176	-3.123
#3	-2.190	-.0950	.0580	-5.477

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	3370.0	32728.	3813.5
Stddev	4.7	301.	29.0
%RSD	.13826	.91999	.76162

#1	3365.7	33072.	3811.4
#2	3374.9	32600.	3785.6
#3	3369.5	32512.	3843.6

Sample Name: ICSAB 1604491 Acquired: 9/21/2012 20:05:02 Type: QC

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	510000.	99.96	102.3	100.4	99.80	471900.
Stddev	5415.	1.95	1.8	.6	1.14	2688.
%RSD	1.062	1.954	1.788	.5577	1.144	.5696

#1	503800.	101.7	102.5	100.5	98.48	475000.
#2	512200.	100.3	100.4	99.76	100.4	470300.
#3	513900.	97.88	104.1	100.9	100.5	470500.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	98.03	98.44	100.6	94.87	202100.	10560.
Stddev	.47	.72	2.4	7.53	3001.	212.
%RSD	.4779	.7272	2.354	7.934	1.485	2.004

#1	98.36	98.54	101.2	96.25	202200.	10330.
#2	97.50	97.68	98.02	86.74	199000.	10600.
#3	98.25	99.10	102.7	101.6	205000.	10750.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1604491 Acquired: 9/21/2012 20:05:02 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	511600.	102.4	10800.	95.41	102.4	102.0
Stddev	8125.	1.4	149.	.31	1.2	5.2
%RSD	1.588	1.331	1.377	.3272	1.136	5.054

#1	509000.	102.3	10640.	95.49	103.5	96.11
#2	505100.	101.1	10860.	95.07	102.4	105.4
#3	520700.	103.8	10920.	95.68	101.2	104.6

Check ?	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
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	92.43	91.85	101.7	99.05	96.92	99.89
Stddev	2.26	3.98	2.3	.24	.80	.64
%RSD	2.444	4.328	2.268	.2396	.8244	.6456

#1	89.88	96.36	102.1	99.16	96.88	100.6
#2	93.26	88.87	99.19	98.78	96.14	99.49
#3	94.16	90.31	103.7	99.21	97.74	99.56

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1604491 Acquired: 9/21/2012 20:05:02 Type: QC
Method: SW846_092112 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	94.89	102.1	98.53	42.95
Stddev	1.58	1.5	2.66	19.37
%RSD	1.669	1.456	2.704	45.10

#1	95.56	100.4	97.54	21.64
#2	93.08	102.6	96.51	59.50
#3	96.02	103.3	101.5	47.72

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	3367.5	32662.	3866.7
Stddev	4.7	310.	11.9
%RSD	.13818	.94950	.30671

#1	3368.1	32668.	3869.4
#2	3371.8	32969.	3853.8
#3	3362.6	32348.	3877.0

Sample Name: CCV Acquired: 9/21/2012 20:09:16 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124800.	2550.	1238.	10170.	1002.	126300.
Stddev	742.	24.	15.	62.	7.	456.
%RSD	.5945	.9253	1.213	.6085	.6764	.3614

#1	124700.	2533.	1234.	10130.	1001.	126800.
#2	124100.	2541.	1226.	10130.	995.2	125900.
#3	125600.	2577.	1255.	10240.	1009.	126200.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1278.	2562.	5059.	12530.	101100.	49860.
Stddev	7.	18.	62.	84.	1276.	357.
%RSD	.5842	.7070	1.231	.6683	1.262	.7160

#1	1274.	2553.	5045.	12540.	100800.	49690.
#2	1272.	2551.	5005.	12450.	100000.	49630.
#3	1286.	2583.	5127.	12610.	102500.	50270.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/21/2012 20:09:16 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	126900.	5158.	127700.	2585.	7786.	1024.
Stddev	1500.	62.	769.	18.	50.	3.
%RSD	1.182	1.205	.6021	.7035	.6451	.3176

#1	126400.	5144.	127500.	2575.	7761.	1021.
#2	125700.	5104.	127100.	2574.	7753.	1025.
#3	128600.	5226.	128600.	2606.	7843.	1027.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2516.	2594.	2487.	2542.	1011.	2554.
Stddev	14.	15.	33.	18.	8.	17.
%RSD	.5699	.5660	1.337	.6912	.7504	.6507

#1	2508.	2583.	2482.	2535.	1006.	2547.
#2	2507.	2588.	2457.	2530.	1007.	2542.
#3	2532.	2610.	2523.	2562.	1019.	2573.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/21/2012 20:09:16 Type: QC
Method: SW846_092112 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	1027.	5135.	10100.	9776.
Stddev	6.	30.	66.	78.
%RSD	.6187	.5812	.6503	.8025

#1	1024.	5134.	10090.	9728.
#2	1022.	5106.	10040.	9732.
#3	1034.	5166.	10170.	9866.

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	3426.7	33867.	3896.9
Stddev	17.4	224.	11.5
%RSD	.50815	.66225	.29437

#1	3431.1	34054.	3884.8
#2	3441.5	33927.	3907.6
#3	3407.5	33618.	3898.3

Sample Name: CCB Acquired: 9/21/2012 20:13:11 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-13.85	1.546	-.1083	.4943	.0434	30.00
Stddev	14.95	1.424	.5673	.1834	.1322	11.11
%RSD	108.0	92.17	523.8	37.11	304.5	37.04

#1	-25.87	2.779	-.1832	.6932	.1942	37.16
#2	-18.56	1.872	.4927	.3319	-.0114	17.20
#3	2.890	-.0137	-.6344	.4578	-.0525	35.65

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0161	.0356	.8275	.4967	1.869	47.27
Stddev	.1409	.2750	.7558	8.750	19.18	48.80
%RSD	874.0	771.7	91.33	1762.	1026.	103.2

#1	.0640	-.2810	.3559	9.784	22.65	51.94
#2	.0665	.2143	.4274	-7.594	-15.14	93.56
#3	-.1788	.1736	1.699	-.7002	-1.905	-3.701

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/21/2012 20:13:11 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	11.17	.3157	67.68	.2843	.6216	-.1401
Stddev	1.43	.2646	35.14	.1830	1.053	1.431
%RSD	12.76	83.84	51.92	64.35	169.3	1021.

#1	12.42	.6179	107.9	.0782	.6572	-.1883
#2	11.48	.1256	42.96	.3473	-.4483	1.314
#3	9.618	.2034	52.18	.4276	1.656	-1.547

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	-2.393	-2.416	.1400	.3638	1.816	.8803
Stddev	2.356	2.634	.3509	.1023	1.205	.3160
%RSD	98.48	109.0	250.7	28.12	66.38	35.90

#1	-.1035	-3.085	.5448	.4310	3.206	1.164
#2	-4.811	.4879	-.0775	.4143	1.056	.9376
#3	-2.264	-4.652	-.0474	.2460	1.186	.5395

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/21/2012 20:13:11 Type: QC
Method: SW846_092112 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	.6180	.5878	.4021	3.243
Stddev	.3128	.6935	2.242	25.01
%RSD	50.61	118.0	557.5	771.2

#1	.6992	1.312	2.856	23.18
#2	.8821	.5223	-.1111	-24.82
#3	.2726	-.0706	-1.538	11.38

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	3716.4	37325.	3974.3
Stddev	22.4	344.	15.9
%RSD	.60204	.92286	.39898

#1	3740.2	36928.	3992.3
#2	3713.2	37501.	3968.4
#3	3695.9	37546.	3962.3

Sample Name: mb 460-128757/1-a Acquired: 9/21/2012 20:17:31 Type: QC

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-27.87	.8213	-.0472	.0256	-.0075	27.15
Stddev	12.44	.9294	.5051	.0463	.1322	9.09
%RSD	44.63	113.2	1070.	181.2	1770.	33.47

#1	-38.88	1.876	-.5873	.0541	.1000	33.39
#2	-30.34	.1227	.0325	-.0279	.0327	31.33
#3	-14.38	.4649	.4133	.0506	-.1551	16.72

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0069	-.1566	-.1039	-2.073	-4.667	-12.80
Stddev	.0599	.1735	.6452	6.605	12.83	60.43
%RSD	867.8	110.8	620.8	318.6	274.9	472.1

#1	.0622	-.3227	.5802	5.492	6.490	55.95
#2	-.0440	-.1704	-.1907	-6.697	-1.805	-57.49
#3	-.0389	.0234	-.7013	-5.015	-18.69	-36.86

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-128757/1-a Acquired: 9/21/2012 20:17:31 Type: QC

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	1.591	.0376	32.53	-.1256	.1782	2.157
Stddev	.985	.0897	14.41	.5787	1.539	1.817
%RSD	61.87	238.8	44.30	460.9	863.7	84.23

#1	2.288	-.0095	47.11	.5412	1.803	.2173
#2	.4650	-.0188	18.29	-.4212	-.0112	3.819
#3	2.022	.1410	32.18	-.4967	-1.257	2.435

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	-2.519	-3.804	.1427	1.011	1.505	.5165
Stddev	1.323	1.751	.2589	.079	.467	.2866
%RSD	52.51	46.02	181.4	7.770	31.04	55.49

#1	-3.368	-3.629	.4289	1.080	.9664	.7016
#2	-3.193	-5.636	-.0751	.9252	1.756	.1864
#3	-.9948	-2.147	.0743	1.028	1.794	.6615

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-128757/1-a Acquired: 9/21/2012 20:17:31 Type: QC
Method: SW846_092112 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	.3652	.0606	1.055	10.40
Stddev	.3475	.1042	2.351	23.69
%RSD	95.16	171.9	223.0	227.8

#1	.6114	-.0571	-1.115	7.935
#2	-.0323	.0981	3.553	35.23
#3	.5167	.1408	.7257	-11.96

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	3721.9	37314.	3916.7
Stddev	4.6	140.	29.3
%RSD	.12399	.37473	.74745

#1	3716.6	37199.	3891.0
#2	3724.7	37469.	3948.6
#3	3724.5	37273.	3910.5

Sample Name: lcs 460-128757/2-a Acquired: 9/21/2012 20:21:49 Type: QC

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2015.	2058.	50.75	2124.	51.68	19380.
Stddev	21.	6.	.29	6.	.44	40.
%RSD	1.043	.2944	.5797	.2866	.8589	.2073

#1	2013.	2064.	50.83	2131.	51.18	19380.
#2	2037.	2056.	50.99	2119.	52.04	19340.
#3	1995.	2053.	50.42	2122.	51.81	19420.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.32	533.4	209.2	256.2	1069.	19990.
Stddev	.15	1.7	1.6	5.7	5.	242.
%RSD	.2748	.3256	.7510	2.208	.4217	1.209

#1	53.36	535.4	210.4	250.5	1073.	19710.
#2	53.43	532.7	209.7	261.8	1069.	20090.
#3	53.15	532.2	207.4	256.2	1064.	20170.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-128757/2-a Acquired: 9/21/2012 20:21:49 Type: QC

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	21010.	546.1	21200.	540.7	550.1	521.8
Stddev	139.	4.0	139.	1.6	2.0	3.7
%RSD	.6601	.7383	.6570	.2933	.3587	.7163

#1	21100.	548.7	21050.	542.3	552.2	522.3
#2	21070.	548.1	21250.	539.2	549.7	525.3
#3	20850.	541.5	21310.	540.6	548.3	517.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2004.	2269.	509.4	527.0	525.1	527.9
Stddev	3.	2.	3.2	1.7	1.8	.8
%RSD	.1452	.0680	.6192	.3183	.3462	.1537

#1	2007.	2270.	511.2	528.9	523.4	528.6
#2	2002.	2267.	511.2	526.2	525.0	527.0
#3	2002.	2269.	505.7	525.9	527.0	528.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-128757/2-a Acquired: 9/21/2012 20:21:49 Type: QC
Method: SW846_092112 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	540.0	512.3	525.2	60.98
Stddev	1.2	3.0	3.8	14.91
%RSD	.2286	.5925	.7194	24.45

#1	541.4	508.9	521.1	61.97
#2	539.5	513.4	526.0	75.38
#3	539.1	514.6	528.5	45.60

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	3651.8	36244.	3963.3
Stddev	6.4	118.	26.4
%RSD	.17612	.32628	.66509

#1	3649.2	36108.	3978.9
#2	3659.1	36320.	3978.2
#3	3647.1	36303.	3932.9

Sample Name: 460-44765-d-1-c du Acquired: 9/21/2012 20:25:49 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.529	1.584	.2872	144.8	.1726	34480.
Stddev	17.44	2.389	.7330	1.1	.1789	498.
%RSD	494.2	150.8	255.2	.7252	103.7	1.443

#1	-18.56	-.3755	.6210	143.7	.0466	33910.
#2	-7.627	.8826	.7939	145.2	.3774	34700.
#3	15.60	4.246	-.5533	145.6	.0937	34830.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0634	.3455	-.0423	1.856	370.7	3809.
Stddev	.1131	.1412	.3604	6.090	9.0	22.
%RSD	178.3	40.88	853.0	328.1	2.425	.5888

#1	.1483	.4982	.3688	2.988	360.8	3811.
#2	-.0649	.3186	-.3040	7.301	372.8	3785.
#3	.1068	.2196	-.1916	-4.720	378.4	3830.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-d-1-c du Acquired: 9/21/2012 20:25:49 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	17450.	61.48	41390.	2.332	1.064	-.7150
Stddev	181.	.69	295.	1.102	1.917	1.830
%RSD	1.036	1.126	.7126	47.27	180.1	256.0

#1	17240.	60.73	41320.	2.417	1.672	-2.276
#2	17500.	61.62	41140.	3.389	2.604	1.299
#3	17600.	62.10	41710.	1.190	-1.083	-1.169

Check ?	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
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	.4592	-3.133	.4649	39.35	26.96	.7623
Stddev	2.524	1.281	.5250	.47	1.03	.2771
%RSD	549.5	40.90	112.9	1.184	3.837	36.36

#1	3.262	-3.906	1.053	38.84	26.86	.5111
#2	-.2508	-3.840	.0419	39.48	28.04	1.060
#3	-1.633	-1.654	.3004	39.74	25.98	.7162

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-d-1-c du Acquired: 9/21/2012 20:25:49 Type: Unk
 Method: SW846_092112 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	.6835	218.2	1.959	5639.
Stddev	.3555	1.5	1.944	95.
%RSD	52.00	.6744	99.20	1.676

#1	.2937	217.9	.5474	5532.
#2	.7673	216.9	1.155	5711.
#3	.9896	219.8	4.176	5673.

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	3644.5	36104.	3962.6
Stddev	30.9	341.	45.1
%RSD	.84873	.94408	1.1394

#1	3680.0	36497.	3924.7
#2	3623.0	35890.	4012.5
#3	3630.7	35924.	3950.5

Sample Name: 460-44765-d-1-b Acquired: 9/21/2012 20:30:02 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.120	1.399	-.4839	148.4	.0899	35010.
Stddev	10.18	1.447	.2415	1.3	.1788	252.
%RSD	247.1	103.4	49.92	.8720	198.8	.7203

#1	14.95	2.577	-.2323	149.1	-.1165	35290.
#2	2.673	-.2162	-.7140	149.2	.1894	34940.
#3	-5.262	1.838	-.5053	146.9	.1967	34790.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0570	.1744	.0400	4.369	382.4	3825.
Stddev	.1422	.4535	.5458	3.637	14.6	78.
%RSD	249.5	260.0	1365.	83.25	3.814	2.033

#1	-.0006	-.0590	.2548	1.904	366.2	3914.
#2	.2190	-.1148	-.5806	8.547	394.5	3771.
#3	-.0473	.6971	.4457	2.657	386.6	3789.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-d-1-b Acquired: 9/21/2012 20:30:02 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	17960.	63.61	42620.	2.532	.5137	1.157
Stddev	65.	.25	184.	.337	1.594	1.327
%RSD	.3596	.3943	.4317	13.32	310.2	114.8

#1	17880.	63.35	42790.	2.181	-.7994	.7337
#2	17990.	63.85	42650.	2.561	.0537	2.644
#3	18000.	63.62	42430.	2.854	2.287	.0923

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	.9355	-4.796	.3401	43.45	26.79	.8035
Stddev	1.394	2.327	.2759	.48	.48	.5056
%RSD	149.0	48.52	81.13	1.115	1.799	62.93

#1	.4217	-2.841	.5946	43.86	27.34	1.375
#2	-.1284	-4.177	.0468	43.58	26.41	.6196
#3	2.513	-7.370	.3789	42.92	26.64	.4155

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-d-1-b Acquired: 9/21/2012 20:30:02 Type: Unk
 Method: SW846_092112 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	.4617	224.6	1.468	5738.
Stddev	.3841	1.3	.938	37.
%RSD	83.18	.5768	63.89	.6471

#1	.1545	225.9	.3902	5776.
#2	.8923	224.6	1.916	5738.
#3	.3383	223.3	2.099	5702.

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	3650.3	35919.	3939.1
Stddev	30.0	90.	18.8
%RSD	.82095	.25017	.47672

#1	3627.2	36021.	3935.7
#2	3639.5	35885.	3922.2
#3	3684.2	35852.	3959.3

Sample Name: sd 460-44765-d-1-b Acquired: 9/21/2012 20:34:14 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-24.55	.5251	.4436	29.51	-.0230	6959.
Stddev	18.72	.9756	.5863	.40	.1119	33.
%RSD	76.26	185.8	132.2	1.364	486.7	.4771

#1	-10.43	1.619	.1985	29.98	-.0929	6995.
#2	-17.43	.2122	.0196	29.33	-.0822	6950.
#3	-45.78	-.2556	1.113	29.24	.1061	6930.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0502	.0855	-.4847	-3.075	72.43	725.1
Stddev	.0645	.3353	.2437	1.542	17.12	30.4
%RSD	128.5	391.9	50.28	50.14	23.63	4.187

#1	.0057	-.2523	-.2636	-1.805	75.95	714.3
#2	.0207	.4182	-.7460	-4.791	53.83	701.7
#3	.1241	.0908	-.4444	-2.631	87.52	759.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-44765-d-1-b Acquired: 9/21/2012 20:34:14 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	3658.	12.80	8454.	.5134	-.1294	-2.258
Stddev	31.	.15	86.	.7147	.5586	1.550
%RSD	.8476	1.139	1.011	139.2	431.8	68.64

#1	3659.	12.83	8458.	.7128	-.0429	-3.177
#2	3627.	12.65	8537.	-.2799	.3810	-.4686
#3	3689.	12.94	8366.	1.107	-.7262	-3.130

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	-2.105	-3.387	-.1469	8.800	5.453	.4409
Stddev	1.929	.296	.4825	.079	.413	.2714
%RSD	91.64	8.737	328.4	.8937	7.569	61.55

#1	.1222	-3.727	.2132	8.749	5.930	.5366
#2	-3.245	-3.249	-.6952	8.760	5.213	.1346
#3	-3.194	-3.185	.0412	8.890	5.217	.6515

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-44765-d-1-b Acquired: 9/21/2012 20:34:14 Type: Unk
Method: SW846_092112 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	.5646	44.14	-.1183	1120.
Stddev	.5904	.43	.8312	22.
%RSD	104.6	.9821	702.3	1.922

#1	1.043	44.18	-.2204	1139.
#2	-.0953	44.55	-.8938	1097.
#3	.7461	43.68	.7592	1125.

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	3715.1	36757.	3997.5
Stddev	19.3	196.	66.8
%RSD	.52025	.53287	1.6715

#1	3706.9	36815.	4012.5
#2	3737.2	36917.	3924.5
#3	3701.2	36539.	4055.6

Sample Name: 460-44765-d-1-d.ms Acquired: 9/21/2012 20:38:31 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1997.	2040.	48.90	2198.	50.78	52440.
Stddev	46.	28.	.76	28.	.41	1039.
%RSD	2.315	1.359	1.552	1.276	.8004	1.981

#1	1944.	2008.	48.19	2166.	50.33	51320.
#2	2032.	2049.	48.81	2206.	50.89	53380.
#3	2014.	2062.	49.70	2221.	51.13	52630.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.78	515.9	202.6	247.1	1376.	23180.
Stddev	.61	6.6	3.3	4.3	13.	185.
%RSD	1.185	1.283	1.638	1.729	.9754	.7963

#1	51.12	508.3	200.8	250.5	1368.	22970.
#2	51.88	518.7	200.7	248.6	1368.	23250.
#3	52.33	520.7	206.5	242.3	1391.	23320.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-d-1-d.ms Acquired: 9/21/2012 20:38:31 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	37110.	585.9	60490.	524.9	526.7	511.9
Stddev	551.	8.9	471.	7.3	9.4	6.3
%RSD	1.485	1.517	.7779	1.398	1.786	1.225

#1	36690.	578.2	59980.	516.5	516.0	504.8
#2	36920.	583.9	60580.	528.1	530.6	513.9
#3	37740.	595.7	60910.	530.1	533.5	516.8

Check ?	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
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	1969.	2159.	495.5	549.2	540.4	514.7
Stddev	26.	29.	7.3	7.7	7.0	6.6
%RSD	1.339	1.356	1.470	1.402	1.293	1.273

#1	1939.	2126.	489.4	540.5	532.4	507.2
#2	1984.	2171.	493.4	551.6	543.5	517.0
#3	1985.	2180.	503.5	555.3	545.3	519.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-d-1-d ms Acquired: 9/21/2012 20:38:31 Type: Unk
 Method: SW846_092112 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	524.1	706.8	515.3	5621.
Stddev	6.7	5.8	2.0	158.
%RSD	1.270	.8253	.3812	2.811

#1	516.5	700.3	514.3	5442.
#2	526.8	708.6	517.6	5741.
#3	529.0	711.5	514.1	5681.

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	3629.6	36058.	3963.9
Stddev	33.2	320.	49.8
%RSD	.91602	.88771	1.2554

#1	3667.8	36083.	3914.9
#2	3613.1	36364.	4014.4
#3	3607.8	35726.	3962.4

Sample Name: pds 460-44765-d-1-b Acquired: 9/21/2012 20:42:29 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1990.	1962.	47.22	2120.	49.85	52770.
Stddev	36.	6.	.59	7.	.68	269.
%RSD	1.833	.3283	1.246	.3095	1.371	.5088

#1	1948.	1964.	46.58	2119.	49.06	53000.
#2	2014.	1955.	47.74	2114.	50.26	52480.
#3	2009.	1967.	47.34	2127.	50.22	52850.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.75	494.2	193.1	245.2	1336.	23450.
Stddev	.26	2.3	.5	5.3	21.	319.
%RSD	.5142	.4556	.2429	2.155	1.536	1.361

#1	49.74	494.1	192.9	239.1	1321.	23090.
#2	49.50	492.0	193.7	248.0	1359.	23680.
#3	50.01	496.5	192.9	248.5	1328.	23590.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-44765-d-1-b Acquired: 9/21/2012 20:42:29 Type: Unk
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	36730.	554.2	61990.	504.4	507.8	487.0
Stddev	179.	3.2	676.	1.5	4.3	3.7
%RSD	.4863	.5829	1.090	.2908	.8561	.7660

#1	36530.	550.6	61210.	505.2	505.7	489.7
#2	36870.	556.7	62430.	502.7	504.9	482.8
#3	36800.	555.3	62340.	505.2	512.8	488.6

Check ?	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
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	1911.	2092.	472.5	531.8	517.4	480.0
Stddev	7.	9.	2.8	2.1	3.2	.9
%RSD	.3798	.4221	.6002	.4025	.6202	.1878

#1	1904.	2089.	469.2	532.7	517.2	479.4
#2	1909.	2086.	474.2	529.4	514.3	479.4
#3	1919.	2103.	474.1	533.4	520.7	481.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-44765-d-1-b Acquired: 9/21/2012 20:42:29 Type: Unk
 Method: SW846_092112 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	498.5	706.0	493.5	5790.
Stddev	1.6	8.4	3.6	58.
%RSD	.3247	1.187	.7356	1.004

#1	498.2	696.4	490.4	5734.
#2	497.1	711.7	492.5	5787.
#3	500.3	709.9	497.5	5850.

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	3616.1	36213.	3938.0
Stddev	21.5	153.	2.2
%RSD	.59549	.42226	.05595

#1	3616.3	36365.	3936.3
#2	3637.5	36214.	3940.5
#3	3594.4	36059.	3937.2

Sample Name: 460-44765-d-2-b Acquired: 9/21/2012 20:46:26 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-27.73	2.446	.4385	141.2	-.0208	32560.
Stddev	31.90	1.552	.8168	1.0	.0318	216.
%RSD	115.0	63.45	186.3	.6948	152.5	.6643

#1	1.247	4.236	-.2675	142.3	-.0065	32800.
#2	-61.91	1.479	1.333	140.9	.0013	32400.
#3	-22.52	1.623	.2501	140.4	-.0572	32470.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0791	.1152	.0163	-1.304	363.5	3695.
Stddev	.1378	.1989	.2088	3.103	8.4	50.
%RSD	174.3	172.7	1281.	238.0	2.299	1.357

#1	-.0931	.3392	-.1916	-1.113	364.1	3719.
#2	.0652	-.0410	.2259	1.699	354.9	3729.
#3	-.2093	.0474	.0146	-4.497	371.5	3638.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-d-2-b Acquired: 9/21/2012 20:46:26 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	16960.	55.76	40740.	1.477	1.293	-.2052
Stddev	60.	.32	83.	.664	.833	.1644
%RSD	.3519	.5824	.2036	44.97	64.42	80.12

#1	17030.	56.13	40840.	2.081	2.163	-.3688
#2	16920.	55.59	40690.	1.584	1.217	-.2070
#3	16940.	55.55	40690.	.7659	.5013	-.0399

Check ?	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
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	-1.009	-4.027	.1673	39.96	24.02	.7421
Stddev	3.406	.472	.3414	.21	1.33	.6037
%RSD	337.6	11.72	204.1	.5201	5.519	81.35

#1	-2.011	-3.483	-.0014	40.18	25.52	1.353
#2	2.786	-4.273	.5602	39.95	23.53	.7272
#3	-3.802	-4.326	-.0569	39.76	23.02	.1460

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-d-2-b Acquired: 9/21/2012 20:46:26 Type: Unk
Method: SW846_092112 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	.0390	212.7	.8865	5434.
Stddev	.6857	.4	1.674	17.
%RSD	1760.	.1771	188.9	.3097

#1	.6078	213.1	2.817	5448.
#2	-.7224	212.4	-.1699	5438.
#3	.2315	212.6	.0124	5415.

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	3661.3	36045.	3950.0
Stddev	5.7	180.	10.0
%RSD	.15576	.49856	.25334

#1	3663.0	35860.	3950.4
#2	3666.0	36219.	3939.7
#3	3655.0	36056.	3959.7

Sample Name: 460-44765-d-3-b Acquired: 9/21/2012 20:50:39 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.37	1.934	-7.478	112.9	.2010	32860.
Stddev	15.00	1.131	.7422	.4	.1406	369.
%RSD	104.4	58.45	99.24	.3556	69.97	1.124

#1	-2.469	.7265	.0980	112.9	.0724	32970.
#2	26.31	2.109	-1.290	113.4	.1794	33170.
#3	19.26	2.967	-1.052	112.6	.3512	32450.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.0711	.2032	-4.534	1.274	563.9	3437.
Stddev	.1184	.2362	.2137	4.720	10.6	29.
%RSD	166.6	116.2	47.13	370.5	1.881	.8479

#1	.0640	.3149	-.2445	4.572	563.1	3453.
#2	-.1206	.3629	-.4442	3.382	574.9	3404.
#3	-.1567	-.0680	-.6716	-4.132	553.7	3456.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-d-3-b Acquired: 9/21/2012 20:50:39 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	16220.	47.41	30580.	1.284	.4723	-.1223
Stddev	141.	.31	82.	.433	2.267	1.254
%RSD	.8708	.6482	.2666	33.74	480.0	1026.

#1	16360.	47.71	30580.	1.412	2.973	-1.207
#2	16210.	47.43	30490.	.8010	-1.449	1.252
#3	16080.	47.09	30660.	1.638	-1.1068	-4.115

Check ?	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
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	-2.679	-3.137	.4825	6.866	23.33	.6660
Stddev	4.111	2.856	.6274	.093	.42	.5305
%RSD	153.4	91.05	130.0	1.358	1.821	79.66

#1	-1.370	-.0103	.1461	6.785	23.82	.0721
#2	.6175	-3.791	1.206	6.968	23.05	1.093
#3	-7.286	-5.609	.0950	6.845	23.13	.8329

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-d-3-b Acquired: 9/21/2012 20:50:39 Type: Unk
Method: SW846_092112 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	.5061	197.5	2.565	4604.
Stddev	.6396	.6	2.024	12.
%RSD	126.4	.3030	78.89	.2552

#1	.9923	197.3	3.094	4604.
#2	.7444	197.1	4.272	4593.
#3	-.2184	198.2	.3295	4616.

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	3674.8	36357.	4006.8
Stddev	13.4	260.	25.2
%RSD	.36472	.71474	.63008

#1	3677.5	36094.	3982.5
#2	3660.2	36364.	4004.9
#3	3686.6	36613.	4032.9

Sample Name: 460-44765-d-4-b Acquired: 9/21/2012 20:54:52 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-15.52	1.860	-4081	112.8	.0948	33450.
Stddev	13.92	.587	.3416	1.9	.0950	383.
%RSD	89.69	31.57	83.70	1.643	100.2	1.145

#1	-2.034	1.395	-.4822	111.1	.0052	33040.
#2	-29.83	1.665	-.7067	112.6	.1943	33500.
#3	-14.68	2.519	-.0356	114.8	.0848	33800.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0805	-.0721	.1833	.0069	447.3	3553.
Stddev	.0988	.1578	.2059	5.157	22.0	23.
%RSD	122.8	218.8	112.4	74700.	4.914	.6577

#1	-.0154	-.0253	.2068	3.511	449.3	3529.
#2	-.0318	.0570	.3764	2.425	424.4	3555.
#3	-.1942	-.2480	-.0334	-5.915	468.2	3576.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-d-4-b Acquired: 9/21/2012 20:54:52 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	16600.	41.28	32470.	1.376	-.3240	.2380
Stddev	134.	.22	162.	.106	1.715	.8377
%RSD	.8062	.5417	.4993	7.667	529.4	351.9

#1	16670.	41.35	32290.	1.377	-1.464	.5596
#2	16450.	41.03	32610.	1.270	-1.157	.8673
#3	16690.	41.46	32510.	1.481	1.649	-.7127

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	-3.386	-2.852	.6261	5.377	23.33	.2466
Stddev	2.186	1.650	.1832	.111	.54	.4411
%RSD	64.54	57.85	29.26	2.064	2.296	178.9

#1	-3.514	-.9588	.7789	5.269	22.71	.3667
#2	-5.506	-3.982	.4230	5.371	23.66	.6152
#3	-1.140	-3.616	.6764	5.490	23.61	-.2422

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-d-4-b Acquired: 9/21/2012 20:54:52 Type: Unk
 Method: SW846_092112 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	.4135	201.0	1.071	4617.
Stddev	.6537	1.4	2.642	71.
%RSD	158.1	.7049	246.6	1.544

#1	-.3376	199.6	1.434	4550.
#2	.7245	202.4	3.514	4611.
#3	.8536	201.1	-1.733	4692.

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	3687.4	36631.	3989.7
Stddev	24.9	253.	22.4
%RSD	.67587	.69020	.56107

#1	3707.8	36516.	3988.4
#2	3694.7	36921.	3968.0
#3	3659.6	36456.	4012.7

Sample Name: CCV Acquired: 9/21/2012 20:59:08 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126600.	2566.	1264.	10230.	1014.	123600.
Stddev	986.	14.	18.	62.	9.	717.
%RSD	.7794	.5377	1.411	.6080	.8728	.5799

#1	125600.	2558.	1244.	10190.	1006.	123600.
#2	126600.	2582.	1272.	10300.	1013.	124300.
#3	127500.	2559.	1277.	10200.	1023.	122900.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1287.	2572.	5150.	12730.	103100.	50860.
Stddev	8.	15.	77.	99.	1548.	607.
%RSD	.6211	.5688	1.492	.7777	1.502	1.193

#1	1282.	2564.	5061.	12640.	101300.	50270.
#2	1296.	2588.	5193.	12710.	103900.	50830.
#3	1282.	2562.	5196.	12830.	104100.	51480.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/21/2012 20:59:08 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	129300.	5259.	129800.	2596.	7843.	1026.
Stddev	1905.	77.	1180.	14.	41.	7.
%RSD	1.474	1.461	.9089	.5272	.5204	.6988

#1	127100.	5170.	128700.	2590.	7815.	1024.
#2	130200.	5297.	129800.	2611.	7890.	1033.
#3	130600.	5309.	131000.	2585.	7824.	1019.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2538.	2621.	2537.	2553.	1017.	2571.
Stddev	16.	11.	39.	14.	5.	16.
%RSD	.6489	.4345	1.521	.5383	.5045	.6383

#1	2527.	2617.	2493.	2546.	1013.	2558.
#2	2557.	2634.	2556.	2569.	1023.	2590.
#3	2529.	2612.	2563.	2545.	1015.	2565.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/21/2012 20:59:08 Type: QC
Method: SW846_092112 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	1034.	5224.	10250.	9753.
Stddev	7.	46.	85.	36.
%RSD	.6587	.8762	.8329	.3664

#1	1031.	5179.	10170.	9712.
#2	1041.	5222.	10250.	9776.
#3	1028.	5270.	10340.	9772.

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	3427.6	33628.	3828.2
Stddev	9.6	386.	27.7
%RSD	.28011	1.1490	.72361

#1	3435.4	34065.	3851.3
#2	3416.9	33485.	3835.8
#3	3430.4	33332.	3797.5

Sample Name: CCB Acquired: 9/21/2012 21:03:05 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-10.35	.5984	-.0188	.1042	.0712	7.097
Stddev	25.44	1.730	.7875	.2601	.2026	9.534
%RSD	245.8	289.1	4181.	249.6	284.3	134.3

#1	-29.70	-.7587	-.5587	.0879	.2391	-1.116
#2	-19.82	2.547	.8848	.3721	-.1537	17.55
#3	18.47	.0071	-.3826	-.1473	.1283	4.855

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0342	.1886	-.1276	-3.029	-3.139	27.82
Stddev	.1894	.6072	.2779	1.004	3.234	66.86
%RSD	553.8	321.9	217.8	33.14	103.0	240.3

#1	.1217	-.5099	.1893	-3.975	-4.330	80.78
#2	.1641	.4854	-.3296	-3.135	.5216	49.98
#3	-.1832	.5904	-.2424	-1.976	-5.607	-47.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/21/2012 21:03:05 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	2.852	.1484	64.38	.5108	1.278	-.0982
Stddev	2.658	.0206	18.92	1.156	1.753	1.639
%RSD	93.22	13.89	29.39	226.4	137.2	1670.

#1	4.148	.1447	85.17	1.154	.0183	.9495
#2	4.613	.1299	59.81	-.8242	3.281	-1.987
#3	-.2061	.1706	48.16	1.203	.5354	.7433

Check ?	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
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	-1.829	-2.087	.3787	.3182	1.188	.6358
Stddev	4.567	2.315	.2696	.0904	1.228	.2554
%RSD	249.8	110.9	71.19	28.40	103.4	40.17

#1	-1.370	-.5395	.6747	.4154	2.604	.6158
#2	-6.608	-.9743	.1470	.2367	.5195	.9007
#3	2.492	-4.748	.3145	.3024	.4388	.3910

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/21/2012 21:03:05 Type: QC
 Method: SW846_092112 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	.2902	.1538	-.4308	31.61
Stddev	.1125	.0569	1.543	7.31
%RSD	38.76	37.01	358.3	23.13

#1	.3808	.1505	.9151	28.59
#2	.3257	.2123	-2.116	26.29
#3	.1643	.0986	-.0920	39.95

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	3707.2	37396.	3918.5
Stddev	27.9	308.	59.2
%RSD	.75215	.82363	1.5103

#1	3734.8	37750.	3985.0
#2	3679.1	37251.	3898.8
#3	3707.7	37187.	3871.7

Sample Name: 460-44834-d-1-b Acquired: 9/21/2012 21:11:35 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	292.9	2.332	.7593	85.13	.1017	40410.
Stddev	7.2	.233	.6960	.45	.1147	192.
%RSD	2.448	9.991	91.67	.5236	112.8	.4762

#1	299.3	2.063	1.563	85.53	.2081	40230.
#2	285.2	2.468	.3593	84.65	.1168	40620.
#3	294.3	2.465	.3556	85.21	-.0199	40390.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1222	2.907	.0964	6.570	368.1	12600.
Stddev	.1400	.363	.4676	1.806	7.9	26.
%RSD	114.6	12.50	485.3	27.48	2.137	.2036

#1	.1526	3.276	-.0532	8.421	361.4	12600.
#2	.2445	2.896	-.2782	4.813	366.1	12630.
#3	-.0305	2.550	.6205	6.476	376.7	12580.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44834-d-1-b Acquired: 9/21/2012 21:11:35 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	21220.	863.3	75140.	25.21	1.215	-.6085
Stddev	250.	10.8	374.	.76	.836	2.641
%RSD	1.177	1.245	.4980	3.026	68.77	434.1

#1	20940.	851.1	75530.	24.54	.9464	1.804
#2	21410.	871.1	74780.	25.06	.5465	-3.431
#3	21320.	867.8	75110.	26.04	2.151	-.1989

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	-.7555	-4.654	.5180	7.101	106.6	.5802
Stddev	2.697	.656	.1792	.162	1.2	.2526
%RSD	357.0	14.09	34.60	2.286	1.101	43.53

#1	2.219	-4.970	.5638	7.013	107.9	.8531
#2	-1.444	-5.091	.6700	7.001	106.1	.5331
#3	-3.041	-3.899	.3204	7.288	105.7	.3546

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44834-d-1-b Acquired: 9/21/2012 21:11:35 Type: Unk
 Method: SW846_092112 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	.4748	251.7	22.21	4148.
Stddev	.5736	1.6	2.36	64.
%RSD	120.8	.6334	10.65	1.542

#1	.0514	253.5	22.13	4117.
#2	.2453	250.4	24.62	4105.
#3	1.128	251.2	19.89	4221.

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	3592.0	35862.	3952.6
Stddev	15.7	157.	53.3
%RSD	.43673	.43721	1.3480

#1	3578.0	36043.	3892.3
#2	3608.9	35763.	3972.6
#3	3589.0	35781.	3993.1

Sample Name: 460-44834-d-2-b Acquired: 9/21/2012 21:15:49 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35.44	.5724	-.0324	80.03	.0246	39520.
Stddev	17.18	.9836	.7847	.12	.1248	388.
%RSD	48.47	171.9	2420.	.1508	508.4	.9811

#1	54.34	.2050	-.7112	80.00	.0998	39110.
#2	31.23	-.1747	.8268	79.93	-.1195	39570.
#3	20.76	1.687	-.2130	80.16	.0933	39880.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0067	2.093	-.6028	6.567	34.24	12130.
Stddev	.1751	.026	.3477	6.431	3.98	46.
%RSD	2609.	1.258	57.68	97.93	11.64	.3763

#1	-.0036	2.108	-.3621	13.90	37.94	12130.
#2	-.1630	2.063	-.4449	3.910	30.02	12090.
#3	.1867	2.109	-1.001	1.890	34.76	12180.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44834-d-2-b Acquired: 9/21/2012 21:15:49 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	20660.	785.2	73360.	21.54	.4020	-2.334
Stddev	75.	3.4	516.	.80	1.187	2.036
%RSD	.3619	.4382	.7038	3.706	295.3	87.26

#1	20640.	785.7	73180.	20.82	.9256	-.9731
#2	20740.	788.3	72960.	22.40	-.9569	-1.353
#3	20590.	781.5	73940.	21.40	1.237	-4.675

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	-1.909	-5.380	-.0612	3.884	102.8	.0525
Stddev	1.327	1.850	.6736	.094	1.0	.1213
%RSD	69.52	34.38	1101.	2.422	.9830	231.3

#1	-2.477	-7.512	-.3453	3.836	103.5	.1375
#2	-.3925	-4.413	-.5461	3.993	101.7	.1063
#3	-2.858	-4.214	.7079	3.824	103.3	-.0865

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44834-d-2-b Acquired: 9/21/2012 21:15:49 Type: Unk
Method: SW846_092112 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	.4099	246.7	3.861	3623.
Stddev	.3574	1.5	2.879	28.
%RSD	87.19	.6261	74.58	.7716

#1	.1926	246.2	1.927	3595.
#2	.8224	245.5	2.485	3623.
#3	.2147	248.4	7.169	3651.

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	3607.2	35631.	3945.3
Stddev	21.6	18.	21.1
%RSD	.59992	.05143	.53410

#1	3631.2	35649.	3965.3
#2	3601.3	35613.	3947.3
#3	3589.2	35631.	3923.3

Sample Name: 460-44834-d-3-b Acquired: 9/21/2012 21:20:02 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.02	.0417	1.195	94.76	.0055	163600.
Stddev	11.17	.1779	.567	.81	.1355	1917.
%RSD	21.06	426.5	47.48	.8530	2454.	1.171

#1	59.45	-.0597	.5568	93.87	.1094	165700.
#2	40.12	.2471	1.643	95.45	-.1477	162000.
#3	59.49	-.0623	1.385	94.96	.0549	163200.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3367	5.834	-1.223	2.402	4255.	42510.
Stddev	.0940	.348	.428	4.818	47.	261.
%RSD	27.91	5.959	34.97	200.6	1.096	.6131

#1	.2722	6.235	-1.646	-.5219	4219.	42210.
#2	.2933	5.623	-.7906	7.964	4308.	42690.
#3	.4445	5.643	-1.233	-.2353	4237.	42630.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44834-d-3-b Acquired: 9/21/2012 21:20:02 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	61710.	8834.	F 279400.	7.333	7.373	-5.051
Stddev	359.	131.	3634.	.894	.234	3.638
%RSD	.5813	1.486	1.300	12.20	3.174	72.03

#1	61500.	8877.	278200.	7.913	7.632	-6.338
#2	62120.	8938.	283500.	7.782	7.177	-.9445
#3	61500.	8686.	276600.	6.303	7.309	-7.871

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
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	.3074	-13.34	1.226	19.41	1701.	4.216
Stddev	1.986	4.37	.247	.10	6.	.320
%RSD	646.0	32.76	20.11	.5283	.3711	7.586

#1	-1.555	-18.13	1.313	19.49	1694.	4.264
#2	.0799	-12.31	.9474	19.45	1704.	4.509
#3	2.397	-9.578	1.417	19.29	1705.	3.875

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44834-d-3-b Acquired: 9/21/2012 21:20:02 Type: Unk
Method: SW846_092112 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	.6384	1118.	5.880	4264.
Stddev	.5935	2.	2.007	31.
%RSD	92.97	.1763	34.14	.7157

#1	.3099	1116.	5.382	4280.
#2	.2818	1120.	4.169	4229.
#3	1.324	1118.	8.090	4282.

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	3448.6	33637.	3881.5
Stddev	14.3	238.	18.7
%RSD	.41506	.70758	.48066

#1	3435.6	33689.	3872.9
#2	3463.9	33377.	3868.8
#3	3446.2	33844.	3902.9

Sample Name: 460-44882-a-5-a Acquired: 9/21/2012 21:24:31 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.304	1.251	-.0316	-.1791	.1664	24.33
Stddev	22.83	.674	.4317	.0911	.1161	25.11
%RSD	362.1	53.86	1368.	50.86	69.77	103.2

#1	-20.92	1.752	-.3365	-.1387	.0618	52.82
#2	-18.00	.4849	.4625	-.1152	.2913	14.72
#3	20.00	1.517	-.2207	-.2834	.1461	5.442

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0359	-.2636	-.0802	-5.459	-13.81	20.17
Stddev	.0920	.2169	.5228	3.580	8.78	122.0
%RSD	256.1	82.30	651.8	65.57	63.62	604.8

#1	.0566	-.0451	-.2275	-8.933	-11.47	160.1
#2	-.0370	-.2669	.5005	-5.664	-23.52	-35.75
#3	-.1274	-.4789	-.5136	-1.782	-6.429	-63.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44882-a-5-a Acquired: 9/21/2012 21:24:31 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	-2.841	.3492	167.2	.6639	1.176	-.5077
Stddev	4.519	.3183	75.3	.5979	.483	1.085
%RSD	159.0	91.15	45.02	90.07	41.05	213.6

#1	1.061	.7158	250.1	.8240	.9283	-1.022
#2	-7.792	.1896	148.1	1.165	1.733	-1.239
#3	-1.792	.1423	103.3	.0022	.8680	.7384

Check ?	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
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	-1.279	-2.703	-.2101	2.197	38.98	.0472
Stddev	.598	1.006	.7238	.048	.66	.1474
%RSD	46.74	37.21	344.5	2.178	1.697	312.3

#1	-1.815	-1.784	-.9228	2.179	39.57	.2094
#2	-.6345	-2.547	-.2318	2.251	39.09	.0107
#3	-1.386	-3.778	.5243	2.161	38.26	-.0785

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44882-a-5-a Acquired: 9/21/2012 21:24:31 Type: Unk
 Method: SW846_092112 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	.3162	.3025	.4790	73.98
Stddev	.1239	.2546	1.746	22.27
%RSD	39.20	84.15	364.6	30.10

#1	.1749	.5852	-1.265	48.28
#2	.3668	.0913	.4739	86.15
#3	.4067	.2311	2.228	87.52

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	3799.7	38325.	3960.0
Stddev	14.1	315.	93.6
%RSD	.37204	.82144	2.3648

#1	3785.3	38499.	3984.4
#2	3800.3	37962.	4039.1
#3	3813.5	38515.	3856.6

Sample Name: 460-44871-e-1-a@4 Acquired: 9/21/2012 21:28:49 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44560.	29.13	-.1428	152.7	2.795	5698.
Stddev	209.	2.14	.3185	.9	.201	94.
%RSD	.4688	7.350	223.0	.6052	7.200	1.647

#1	44330.	31.13	-.2315	151.7	2.861	5593.
#2	44740.	26.87	.2106	153.1	2.954	5772.
#3	44610.	29.39	-.4075	153.5	2.569	5730.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3329	37.75	95.05	38.93	99000.	7134.
Stddev	.1967	.50	.90	3.61	300.	74.
%RSD	59.08	1.333	.9461	9.264	.3031	1.033

#1	-.1526	37.19	94.51	41.06	98850.	7070.
#2	-.5426	37.92	94.56	34.77	98810.	7215.
#3	-.3034	38.15	96.09	40.97	99350.	7116.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44871-e-1-a@4 Acquired: 9/21/2012 21:28:49 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	20180.	1549.	2720.	80.19	43.82	.4610
Stddev	62.	4.	9.	.67	1.85	6.938
%RSD	.3076	.2528	.3264	.8404	4.226	1505.

#1	20120.	1546.	2725.	80.85	42.41	2.159
#2	20180.	1547.	2726.	80.22	43.14	-7.168
#3	20240.	1553.	2710.	79.50	45.92	6.392

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	-2.508	-6.982	121.2	231.0	41.14	2.516
Stddev	3.342	1.807	.3	1.8	.28	.270
%RSD	133.3	25.89	.2450	.7638	.6843	10.74

#1	-5.197	-7.741	121.3	229.0	41.04	2.499
#2	-3.559	-4.919	120.9	231.7	41.45	2.795
#3	1.234	-8.286	121.4	232.3	40.92	2.255

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44871-e-1-a@4 Acquired: 9/21/2012 21:28:49 Type: Unk
 Method: SW846_092112 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	2.998	73.56	735.3	898.6
Stddev	.539	.30	.9	8.2
%RSD	17.99	.4055	.1169	.9090

#1	3.566	73.39	735.5	907.7
#2	2.492	73.91	736.1	896.2
#3	2.937	73.39	734.4	891.9

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	3903.0	38675.	4193.3
Stddev	23.2	157.	18.2
%RSD	.59514	.40718	.43358

#1	3928.4	38565.	4185.8
#2	3883.0	38606.	4180.1
#3	3897.4	38856.	4214.1

Sample Name: 460-44871-e-2-a@4 Acquired: 9/21/2012 21:32:58 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46270.	20.78	-.3271	150.5	2.699	4965.
Stddev	290.	1.64	.1867	.2	.148	24.
%RSD	.6260	7.880	57.10	.1452	5.490	.4737

#1	46080.	22.49	-.2370	150.5	2.640	4963.
#2	46130.	19.23	-.5417	150.3	2.590	4943.
#3	46600.	20.62	-.2024	150.7	2.868	4989.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3927	33.24	95.48	27.31	97320.	7237.
Stddev	.1975	.31	.32	5.00	286.	75.
%RSD	50.29	.9304	.3347	18.32	.2937	1.031

#1	-.2511	33.59	95.12	24.07	97040.	7195.
#2	-.3087	33.15	95.57	24.78	97310.	7192.
#3	-.6183	32.99	95.74	33.07	97610.	7323.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44871-e-2-a@4 Acquired: 9/21/2012 21:32:58 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	20060.	1145.	2503.	77.69	39.64	-.0609
Stddev	86.	3.	9.	.11	1.06	2.458
%RSD	.4267	.2729	.3776	.1455	2.682	4033.

#1	19970.	1142.	2507.	77.82	38.50	-1.354
#2	20060.	1145.	2493.	77.64	39.79	2.773
#3	20140.	1148.	2511.	77.60	40.61	-1.602

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	-5.589	-4.207	108.7	219.8	38.33	2.214
Stddev	2.578	1.286	.4	1.0	.78	.298
%RSD	46.13	30.57	.3607	.4384	2.038	13.46

#1	-7.269	-5.398	108.2	219.9	37.69	2.229
#2	-6.877	-2.843	108.8	218.8	39.20	2.504
#3	-2.621	-4.379	109.0	220.7	38.11	1.909

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44871-e-2-a@4 Acquired: 9/21/2012 21:32:58 Type: Unk
Method: SW846_092112 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	2.998	68.01	725.5	845.5
Stddev	.457	.29	5.5	13.6
%RSD	15.26	.4212	.7597	1.608

#1	3.515	68.02	720.7	843.4
#2	2.833	67.72	724.3	833.0
#3	2.646	68.30	731.5	860.0

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	3894.4	38614.	4161.4
Stddev	10.2	130.	43.5
%RSD	.26184	.33769	1.0450

#1	3886.9	38764.	4113.7
#2	3906.0	38531.	4198.8
#3	3890.3	38547.	4171.8

Sample Name: 460-44871-e-4-a@4 Acquired: 9/21/2012 21:41:18 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35620.	14.20	-.6976	180.7	2.237	12570.
Stddev	196.	.32	.6479	.4	.074	113.
%RSD	.5514	2.280	92.88	.1990	3.332	.8963

#1	35400.	14.45	-1.256	180.8	2.151	12440.
#2	35680.	13.83	.0125	181.0	2.281	12610.
#3	35780.	14.31	-.8488	180.3	2.279	12660.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2515	27.50	56.84	59.29	61920.	4529.
Stddev	.0296	.09	.66	.50	388.	29.
%RSD	11.78	.3170	1.169	.8467	.6266	.6450

#1	-.2830	27.54	57.00	58.72	62190.	4502.
#2	-.2473	27.39	56.11	59.63	61470.	4526.
#3	-.2242	27.55	57.41	59.53	62100.	4560.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44871-e-4-a@4 Acquired: 9/21/2012 21:41:18 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	17430.	860.1	754.1	61.78	74.92	-1.402
Stddev	84.	4.0	5.0	1.03	.88	1.966
%RSD	.4844	.4603	.6688	1.672	1.178	140.3

#1	17470.	862.2	752.6	60.86	74.26	.7032
#2	17340.	855.6	759.7	62.90	74.59	-3.191
#3	17490.	862.7	749.9	61.59	75.92	-1.717

Check ?	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
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	-1.419	-5.543	79.50	165.4	22.48	1.721
Stddev	2.741	2.326	.69	.1	1.43	.349
%RSD	193.2	41.96	.8640	.0870	6.360	20.27

#1	-4.429	-5.033	79.15	165.4	24.12	2.084
#2	.9342	-8.082	79.05	165.6	21.51	1.389
#3	-.7611	-3.515	80.29	165.3	21.81	1.691

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44871-e-4-a@4 Acquired: 9/21/2012 21:41:18 Type: Unk
 Method: SW846_092112 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	3.103	61.44	667.5	852.8
Stddev	.138	.49	3.1	33.9
%RSD	4.456	.7918	.4617	3.969

#1	2.945	60.89	665.1	886.1
#2	3.159	61.60	670.9	854.0
#3	3.204	61.82	666.4	818.4

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	3832.6	37786.	4091.3
Stddev	14.7	168.	38.2
%RSD	.38476	.44337	.93328

#1	3849.5	37896.	4133.8
#2	3825.6	37869.	4079.9
#3	3822.6	37593.	4060.1

Sample Name: 460-44841-b-1-a@4 Acquired: 9/21/2012 21:45:29 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2282.	6.813	.0747	13.44	.1088	42590.
Stddev	8.	2.323	.7278	.14	.0888	393.
%RSD	.3308	34.10	974.3	1.005	81.60	.9237

#1	2287.	4.910	.4639	13.49	.1271	43040.
#2	2286.	6.127	.5252	13.54	.1871	42450.
#3	2273.	9.402	-.7650	13.29	.0123	42290.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0162	2.043	3.645	109.8	4019.	76420.
Stddev	.1552	.151	.473	2.0	51.	822.
%RSD	956.6	7.405	12.99	1.818	1.259	1.076

#1	-.1953	1.915	3.144	107.6	4077.	77030.
#2	.0796	2.210	3.706	111.4	3997.	76740.
#3	.0670	2.005	4.086	110.6	3983.	75490.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44841-b-1-a@4 Acquired: 9/21/2012 21:45:29 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	15720.	160.5	3500.	19.45	1.154	-.8437
Stddev	127.	1.7	29.	.85	1.398	1.248
%RSD	.8068	1.039	.8416	4.381	121.1	148.0

#1	15850.	162.2	3529.	20.25	1.850	-2.119
#2	15700.	160.4	3502.	18.56	-.4551	.3756
#3	15600.	158.9	3470.	19.53	2.066	-.7872

Check ?	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
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	-.3118	-4.517	6.267	176.4	74.50	2.314
Stddev	.4448	2.711	.187	.8	.43	.375
%RSD	142.6	60.02	2.978	.4593	.5835	16.21

#1	-.8021	-6.969	6.200	177.3	74.03	2.702
#2	.0659	-1.606	6.478	176.4	74.90	2.289
#3	-.1993	-4.977	6.124	175.6	74.56	1.953

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44841-b-1-a@4 Acquired: 9/21/2012 21:45:29 Type: Unk
Method: SW846_092112 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	1.767	884.1	60.74	646.4
Stddev	.248	11.4	1.40	11.6
%RSD	14.01	1.286	2.300	1.791

#1	2.052	893.5	60.91	659.2
#2	1.609	887.2	62.05	643.6
#3	1.639	871.4	59.27	636.5

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	3628.6	35644.	3899.8
Stddev	6.0	240.	16.1
%RSD	.16625	.67407	.41297

#1	3633.9	35367.	3899.5
#2	3622.0	35772.	3883.9
#3	3629.8	35793.	3916.1

Sample Name: CCV Acquired: 9/21/2012 21:49:43 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126000.	2538.	1265.	10160.	1006.	122000.
Stddev	484.	15.	21.	67.	5.	488.
%RSD	.3843	.5772	1.629	.6636	.5035	.3999

#1	125900.	2528.	1250.	10100.	1005.	122200.
#2	125600.	2531.	1257.	10150.	1001.	121500.
#3	126600.	2554.	1288.	10230.	1011.	122400.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1278.	2538.	5104.	12670.	102200.	51740.
Stddev	9.	17.	81.	59.	1487.	341.
%RSD	.6864	.6814	1.592	.4649	1.455	.6585

#1	1269.	2522.	5046.	12670.	101100.	51560.
#2	1277.	2535.	5070.	12610.	101500.	51530.
#3	1287.	2557.	5197.	12730.	103900.	52130.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/21/2012 21:49:43 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	128100.	5224.	130200.	2567.	7782.	1020.
Stddev	1887.	77.	731.	19.	48.	8.
%RSD	1.473	1.472	.5619	.7320	.6168	.7596

#1	126800.	5167.	129700.	2552.	7735.	1016.
#2	127300.	5194.	129700.	2562.	7781.	1015.
#3	130300.	5312.	131000.	2588.	7831.	1029.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2521.	2588.	2527.	2520.	1006.	2556.
Stddev	20.	14.	41.	16.	9.	20.
%RSD	.7783	.5425	1.625	.6162	.8707	.7635

#1	2502.	2574.	2493.	2505.	997.9	2538.
#2	2520.	2587.	2515.	2520.	1006.	2554.
#3	2541.	2602.	2573.	2536.	1015.	2577.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/21/2012 21:49:43 Type: QC
Method: SW846_092112 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	1027.	5236.	10210.	9457.
Stddev	7.	28.	52.	125.
%RSD	.7089	.5436	.5083	1.321

#1	1020.	5220.	10190.	9326.
#2	1026.	5219.	10170.	9471.
#3	1034.	5269.	10270.	9575.

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	3445.1	33507.	3783.1
Stddev	4.8	408.	26.2
%RSD	.13844	1.2175	.69172

#1	3448.9	33845.	3754.7
#2	3439.7	33622.	3788.1
#3	3446.6	33054.	3806.3

Sample Name: CCB Acquired: 9/21/2012 21:53:38 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-18.13	1.347	-.0071	.5670	.1850	17.28
Stddev	24.89	1.570	.8652	.7561	.1305	11.41
%RSD	137.2	116.5	12160.	133.3	70.54	66.02

#1	4.427	3.008	.4210	1.391	.2924	30.45
#2	-14.00	1.147	.5606	.4045	.2229	10.49
#3	-44.83	-.1128	-1.003	-.0946	.0398	10.90

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0145	.0775	.2708	-.0011	6.881	100.8
Stddev	.2148	.1802	.6262	6.276	15.60	80.4
%RSD	1478.	232.5	231.3	573300.	226.7	79.81

#1	.2286	.2564	.9370	5.654	24.89	132.6
#2	-.1785	-.1040	.1812	-6.754	-2.099	160.4
#3	-.0937	.0801	-.3058	1.096	-2.149	9.300

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/21/2012 21:53:38 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	10.60	.5416	79.71	.8122	2.938	-.7375
Stddev	9.94	.5539	38.65	.5920	.258	1.355
%RSD	93.78	102.3	48.48	72.88	8.797	183.7

#1	21.70	1.144	123.7	.2150	3.184	-1.148
#2	7.571	.4280	64.42	.8228	2.668	.7751
#3	2.526	.0534	51.05	1.399	2.960	-1.839

Check ?	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
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	.4094	-1.307	.3530	.4072	1.637	1.098
Stddev	1.956	1.679	.8226	.0730	.918	.190
%RSD	477.8	128.4	233.0	17.92	56.12	17.27

#1	-1.475	-.5055	1.249	.4762	2.599	1.293
#2	2.430	-3.237	-.3672	.4146	1.541	.9141
#3	.2728	-.1800	.1768	.3308	.7699	1.087

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/21/2012 21:53:38 Type: QC
Method: SW846_092112 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	.2705	1.020	1.412	-1.767
Stddev	.2183	.778	2.869	8.259
%RSD	80.69	76.23	203.1	467.5

#1	.0245	1.887	4.270	2.430
#2	.4410	.7913	1.433	-11.28
#3	.3461	.3829	-1.467	3.551

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	3719.8	37240.	3885.7
Stddev	9.3	27.	34.2
%RSD	.25081	.07168	.88033

#1	3728.0	37271.	3925.0
#2	3721.9	37223.	3868.8
#3	3709.7	37226.	3863.2

Sample Name: 460-42962-a-19-b@4 Acquired: 9/21/2012 21:57:57 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21280.	5.526	.2247	48.38	.2865	2656.
Stddev	39.	1.297	.4474	.42	.1608	23.
%RSD	.1816	23.47	199.1	.8755	56.12	.8758

#1	21320.	6.199	-.2891	48.06	.1050	2661.
#2	21280.	6.348	.4349	48.22	.3434	2677.
#3	21250.	4.031	.5282	48.86	.4110	2631.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0741	.3982	39.12	4.940	6195.	1166.
Stddev	.0420	.1085	.61	.076	45.	48.
%RSD	56.61	27.25	1.550	1.543	.7327	4.134

#1	-.0667	.2819	38.92	5.021	6155.	1141.
#2	-.0364	.4159	39.80	4.929	6244.	1221.
#3	-.1193	.4967	38.64	4.870	6184.	1135.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-42962-a-19-b@4 Acquired: 9/21/2012 21:57:57 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	1425.	21.76	88.70	3.098	24.39	-.6711
Stddev	10.	.12	12.10	.299	.58	3.425
%RSD	.7332	.5584	13.64	9.660	2.375	510.3

#1	1415.	21.62	75.48	2.762	23.95	-3.708
#2	1436.	21.81	99.24	3.336	25.04	3.041
#3	1425.	21.84	91.39	3.196	24.17	-1.346

Check ?	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
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	-2.143	-3.431	38.93	12.94	4.239	2.328
Stddev	1.021	1.496	.34	.15	.118	.301
%RSD	47.65	43.60	.8830	1.165	2.774	12.94

#1	-1.162	-2.237	38.53	12.82	4.105	1.999
#2	-3.200	-5.109	39.11	13.11	4.290	2.394
#3	-2.067	-2.947	39.14	12.90	4.323	2.591

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-42962-a-19-b@4 Acquired: 9/21/2012 21:57:57 Type: Unk
 Method: SW846_092112 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	1.119	36.93	183.0	811.8
Stddev	.466	.14	.3	19.8
%RSD	41.67	.3881	.1912	2.441

#1	.6933	36.83	183.4	830.0
#2	1.046	37.10	182.8	814.6
#3	1.617	36.86	182.8	790.7

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	3763.0	37343.	3914.3
Stddev	14.2	178.	44.4
%RSD	.37720	.47572	1.1351

#1	3768.5	37441.	3887.1
#2	3746.9	37138.	3890.2
#3	3773.6	37451.	3965.6

Sample Name: 460-44870-a-1-a@4 Acquired: 9/21/2012 22:02:14 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52880.	15.59	1.932	438.3	4.527	F 407300.
Stddev	414.	1.04	.712	1.0	.312	3110.
%RSD	.7829	6.646	36.87	.2226	6.884	.7636

#1	53190.	15.44	1.526	437.3	4.816	405900.
#2	53050.	14.63	1.515	439.2	4.197	405200.
#3	52410.	16.69	2.754	438.3	4.569	410900.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.1683	24.28	60.20	121.0	65570.	8191.
Stddev	.0406	.12	.48	4.8	524.	61.
%RSD	24.12	.4891	.7962	3.953	.7986	.7408

#1	-.1977	24.19	59.97	123.7	65310.	8204.
#2	-.1853	24.42	59.87	123.9	65220.	8245.
#3	-.1220	24.24	60.75	115.5	66170.	8125.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-1-a@4 Acquired: 9/21/2012 22:02:14 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	102500.	F 20110.	2815.	77.21	54.76	-4.332
Stddev	759.	352.	25.	.24	.95	2.967
%RSD	.7407	1.748	.8845	.3072	1.744	68.49

#1	102100.	19820.	2787.	77.43	53.86	-.9556
#2	102000.	20000.	2830.	76.96	55.76	-5.517
#3	103400.	20500.	2829.	77.23	54.66	-6.524

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-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	1.234	F -27.27	91.95	291.5	137.7	4.716
Stddev	2.740	2.00	.91	.6	.6	.579
%RSD	222.0	7.321	.9864	.2182	.4491	12.28

#1	1.997	-26.28	92.59	291.3	137.6	4.229
#2	-1.807	-29.57	90.91	292.3	137.1	4.563
#3	3.512	-25.97	92.36	291.1	138.3	5.357

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.				
Low Limit		-20.00				

Sample Name: 460-44870-a-1-a@4 Acquired: 9/21/2012 22:02:14 Type: Unk
Method: SW846_092112 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	7.030	2250.	2813.	1145.
Stddev	.370	17.	22.	34.
%RSD	5.263	.7632	.7793	2.972

#1	6.738	2263.	2830.	1110.
#2	7.446	2256.	2820.	1149.
#3	6.905	2231.	2788.	1178.

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	3593.0	34588.	3917.2
Stddev	3.8	137.	37.1
%RSD	.10651	.39727	.94626

#1	3592.2	34703.	3904.5
#2	3597.2	34625.	3888.2
#3	3589.7	34436.	3959.0

Sample Name: 460-44870-a-2-a@4 Acquired: 9/21/2012 22:06:29 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25290.	7.280	-.8687	116.8	.8858	F 630000.
Stddev	163.	4.705	.6310	.9	.0904	7355.
%RSD	.6456	64.63	72.64	.7802	10.21	1.167

#1	25110.	12.48	-1.134	116.1	.8336	623600.
#2	25440.	6.047	-.1484	116.5	.8335	628400.
#3	25320.	3.314	-1.324	117.8	.9902	638000.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1924	16.51	23.31	69.30	38150.	2894.
Stddev	.0825	.09	.41	3.59	113.	50.
%RSD	42.85	.5316	1.770	5.174	.2960	1.714

#1	-.2768	16.59	23.75	65.85	38150.	2912.
#2	-.1886	16.42	23.27	69.03	38260.	2933.
#3	-.1119	16.54	22.92	73.01	38040.	2838.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-2-a@4 Acquired: 9/21/2012 22:06:29 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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 253700.	832.0	2315.	28.58	12.37	-2.807
Stddev	721.	2.9	21.	.98	.45	.722
%RSD	.2841	.3523	.9135	3.425	3.629	25.72

#1	253800.	833.1	2290.	28.24	12.56	-2.033
#2	254400.	834.2	2326.	29.69	12.70	-3.462
#3	253000.	828.7	2328.	27.82	11.86	-2.925

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.					
Low Limit	-2000.					

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	.7692	-1.839	40.78	52.10	48.99	4.767
Stddev	2.269	1.817	.49	.18	.14	.498
%RSD	294.9	98.82	1.205	.3386	.2820	10.45

#1	-2.599	-3.937	40.63	51.90	49.13	4.231
#2	-8.025	-7.989	41.33	52.22	48.97	4.854
#3	3.370	-7.805	40.39	52.18	48.86	5.216

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-2-a@4 Acquired: 9/21/2012 22:06:29 Type: Unk
Method: SW846_092112 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	1.965	1632.	980.5	974.5
Stddev	.785	10.	7.6	7.2
%RSD	39.95	.5851	.7748	.7391

#1	1.868	1624.	972.0	976.5
#2	1.233	1642.	986.6	966.5
#3	2.795	1628.	983.0	980.5

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	3390.8	33190.	3782.2
Stddev	21.2	50.	37.8
%RSD	.62466	.15069	.99840

#1	3413.8	33163.	3825.2
#2	3386.3	33159.	3766.8
#3	3372.2	33248.	3754.6

Sample Name: 460-44870-a-3-a@4 Acquired: 9/21/2012 22:10:40 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38860.	7.641	.0433	192.2	1.643	F 537200.
Stddev	10.	1.661	.3633	.7	.073	7753.
%RSD	.0266	21.74	839.0	.3596	4.445	1.443

#1	38860.	8.705	.4626	192.9	1.691	545700.
#2	38850.	5.727	-.1550	191.5	1.559	535400.
#3	38870.	8.492	-.1777	192.2	1.679	530600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5165	13.52	35.54	81.46	37830.	1514.
Stddev	.0450	.29	.58	.52	292.	55.
%RSD	8.717	2.134	1.640	.6346	.7717	3.634

#1	-.5675	13.37	35.79	81.78	37870.	1572.
#2	-.4822	13.33	35.95	80.86	38090.	1463.
#3	-.4998	13.85	34.87	81.73	37510.	1506.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-3-a@4 Acquired: 9/21/2012 22:10:40 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	127600.	1350.	887.4	33.22	30.61	-3.945
Stddev	868.	10.	10.2	.95	.79	1.990
%RSD	.6801	.7695	1.145	2.861	2.581	50.44

#1	127600.	1350.	898.4	32.81	30.85	-2.099
#2	128500.	1361.	878.3	32.55	29.73	-3.683
#3	126800.	1340.	885.7	34.31	31.25	-6.052

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	-2.299	-2.597	52.03	78.45	87.19	3.625
Stddev	4.507	4.196	.32	.18	.49	.186
%RSD	196.0	161.6	.6070	.2317	.5659	5.120

#1	2.324	-1.134	51.73	78.26	86.67	3.430
#2	-2.541	-7.328	52.36	78.47	87.24	3.647
#3	-6.680	.6724	52.01	78.62	87.66	3.799

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-3-a@4 Acquired: 9/21/2012 22:10:40 Type: Unk
Method: SW846_092112 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	2.928	1811.	1526.	957.3
Stddev	.361	3.	1.	7.2
%RSD	12.32	.1700	.0868	.7544

#1	3.315	1813.	1525.	955.9
#2	2.867	1813.	1528.	965.1
#3	2.602	1808.	1525.	950.8

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	3481.1	33884.	3858.1
Stddev	13.7	173.	27.8
%RSD	.39238	.51137	.72073

#1	3465.3	33727.	3828.3
#2	3487.9	33855.	3883.2
#3	3489.9	34070.	3862.9

Sample Name: 460-44870-a-4-a@4 Acquired: 9/21/2012 22:14:49 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35340.	10.50	-.1209	165.4	1.449	F 432700.
Stddev	165.	.17	.4782	.7	.128	1523.
%RSD	.4674	1.663	395.6	.4156	8.831	.3521

#1	35150.	10.35	-.5653	165.9	1.567	431000.
#2	35450.	10.69	-.1823	164.6	1.465	433200.
#3	35430.	10.45	.3851	165.7	1.313	433900.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0472	24.74	32.06	230.2	59620.	4894.
Stddev	.1120	.21	.56	4.4	467.	58.
%RSD	237.4	.8661	1.736	1.918	.7827	1.176

#1	-.0944	24.53	31.57	226.1	59570.	4828.
#2	-.1278	24.74	31.93	234.9	59180.	4929.
#3	.0807	24.96	32.66	229.7	60110.	4926.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-4-a@4 Acquired: 9/21/2012 22:14:49 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	117000.	1165.	3211.	27.94	27.26	-1.501
Stddev	1049.	10.	17.	.13	.84	2.682
%RSD	.8964	.8525	.5366	.4736	3.090	178.7

#1	116900.	1164.	3194.	28.03	28.23	-1.604
#2	116100.	1156.	3228.	27.78	26.72	1.231
#3	118200.	1176.	3211.	28.00	26.83	-4.129

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	-2.419	-4.026	74.85	102.8	83.04	1.780
Stddev	5.590	4.469	.39	.2	.01	.483
%RSD	231.1	111.0	.5217	.2215	.0138	27.13

#1	-7.053	.6547	75.26	102.8	83.05	1.294
#2	3.790	-4.484	74.79	102.6	83.03	2.260
#3	-3.993	-8.248	74.48	103.0	83.03	1.786

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-4-a@4 Acquired: 9/21/2012 22:14:49 Type: Unk
Method: SW846_092112 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	2.768	1755.	1594.	950.3
Stddev	.564	10.	10.	20.2
%RSD	20.36	.5428	.6051	2.130

#1	2.505	1744.	1583.	972.7
#2	2.385	1763.	1601.	945.0
#3	3.415	1757.	1599.	933.2

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	3552.8	34578.	3921.9
Stddev	11.6	213.	15.2
%RSD	.32531	.61603	.38637

#1	3541.7	34589.	3939.3
#2	3564.8	34786.	3911.7
#3	3551.8	34360.	3914.7

Sample Name: 460-44870-a-5-a@4 Acquired: 9/21/2012 22:18:59 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33400.	16.55	-.5463	247.4	2.020	F 353800.
Stddev	289.	1.36	.7286	2.3	.054	2575.
%RSD	.8637	8.198	133.4	.9204	2.669	.7277

#1	33730.	16.48	.1455	246.7	2.082	352200.
#2	33280.	15.23	-1.307	245.6	1.989	352400.
#3	33200.	17.94	-.4774	250.0	1.988	356800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0013	32.81	45.88	252.4	77150.	4766.
Stddev	.2016	.06	.91	5.3	1468.	38.
%RSD	16020.	.1866	1.987	2.099	1.903	.7919

#1	-.1725	32.88	46.25	258.4	78040.	4723.
#2	-.0461	32.76	44.85	250.0	75460.	4793.
#3	.2223	32.80	46.55	248.7	77960.	4783.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-5-a@4 Acquired: 9/21/2012 22:18:59 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	110700.	1718.	2592.	41.82	282.7	-3.276
Stddev	2132.	33.	9.	.44	3.5	4.196
%RSD	1.925	1.917	.3572	1.047	1.247	128.1

#1	111800.	1736.	2601.	41.33	280.0	-4.519
#2	108300.	1680.	2582.	41.98	281.3	1.400
#3	112100.	1739.	2592.	42.16	286.7	-6.711

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	-1.336	-6.292	82.56	470.0	94.10	1.981
Stddev	2.401	1.132	1.37	4.4	.45	.564
%RSD	179.7	18.00	1.661	.9288	.4810	28.46

#1	1.076	-6.135	83.18	468.9	94.02	2.327
#2	-3.726	-5.247	80.99	466.3	93.69	2.286
#3	-1.359	-7.495	83.51	474.8	94.58	1.331

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-5-a@4 Acquired: 9/21/2012 22:18:59 Type: Unk
 Method: SW846_092112 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	25.54	1286.	1718.	1015.
Stddev	.81	9.	13.	24.
%RSD	3.175	.6902	.7666	2.401

#1	25.35	1296.	1733.	1027.
#2	24.83	1280.	1712.	986.5
#3	26.42	1281.	1710.	1030.

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	3636.1	34994.	3971.8
Stddev	23.6	501.	23.6
%RSD	.64926	1.4309	.59436

#1	3653.7	34915.	3946.3
#2	3645.3	35530.	3976.2
#3	3609.2	34538.	3992.9

Sample Name: 460-44870-a-6-a@4 Acquired: 9/21/2012 22:23:07 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35910.	9.462	-.5566	196.9	2.349	210500.
Stddev	231.	2.176	.2540	1.0	.273	428.
%RSD	.6432	23.00	45.63	.4935	11.61	.2031

#1	35660.	8.287	-.2890	196.9	2.662	210000.
#2	36120.	11.97	-.7942	196.0	2.159	210800.
#3	35950.	8.126	-.5866	197.9	2.227	210600.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0959	14.52	51.63	46.47	47550.	4952.
Stddev	.1110	.27	.08	2.19	180.	21.
%RSD	115.8	1.892	.1578	4.716	.3789	.4232

#1	-.2010	14.24	51.65	44.36	47350.	4929.
#2	-.1068	14.54	51.54	46.32	47610.	4958.
#3	.0202	14.79	51.70	48.74	47700.	4969.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-6-a@4 Acquired: 9/21/2012 22:23:07 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	21630.	1489.	2135.	37.90	53.80	-.8242
Stddev	90.	6.	24.	1.56	1.58	2.291
%RSD	.4171	.3882	1.129	4.116	2.930	277.9

#1	21520.	1482.	2117.	36.28	52.74	1.491
#2	21670.	1490.	2162.	38.03	53.05	-3.090
#3	21690.	1493.	2125.	39.39	55.61	-.8732

Check ?	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
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	-.2384	-4.695	68.45	2093.	145.9	.8883
Stddev	2.048	2.218	.45	14.	1.0	.0617
%RSD	859.0	47.26	.6513	.6733	.6856	6.948

#1	1.809	-2.145	68.22	2087.	145.8	.9580
#2	-2.286	-5.755	68.17	2083.	145.0	.8404
#3	-2.386	-6.184	68.96	2109.	147.0	.8666

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-6-a@4 Acquired: 9/21/2012 22:23:07 Type: Unk
 Method: SW846_092112 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	4.434	705.3	1496.	979.8
Stddev	.271	4.0	7.	2.4
%RSD	6.108	.5601	.4759	.2473

#1	4.542	700.9	1489.	979.1
#2	4.634	708.5	1503.	982.5
#3	4.126	706.5	1498.	977.8

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	3707.5	36207.	3950.9
Stddev	7.7	24.	18.8
%RSD	.20720	.06744	.47511

#1	3704.1	36221.	3935.8
#2	3716.3	36221.	3945.0
#3	3702.2	36178.	3971.9

Sample Name: 460-44870-a-7-a@4 Acquired: 9/21/2012 22:27:16 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36760.	11.12	-.3048	231.2	1.651	220200.
Stddev	249.	1.05	.8161	1.3	.116	424.
%RSD	.6764	9.465	267.8	.5760	7.012	.1926

#1	37050.	11.76	.6103	229.7	1.765	220700.
#2	36600.	11.70	-.5674	232.3	1.653	220100.
#3	36640.	9.908	-.9573	231.5	1.534	219900.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0032	28.53	59.13	175.8	62270.	7231.
Stddev	.1568	.29	.66	1.5	429.	69.
%RSD	4859.	.9992	1.108	.8654	.6895	.9581

#1	-.1614	28.62	59.75	177.1	62120.	7180.
#2	.1508	28.21	59.18	176.1	62760.	7203.
#3	.0202	28.76	58.44	174.1	61940.	7310.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-7-a@4 Acquired: 9/21/2012 22:27:16 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	32950.	1225.	3275.	57.41	166.1	-2.155
Stddev	204.	9.	17.	.53	.3	1.824
%RSD	.6197	.6959	.5270	.9227	.1677	84.66

#1	32880.	1221.	3295.	57.80	166.0	-1.860
#2	33190.	1235.	3262.	57.63	165.9	-.4960
#3	32800.	1219.	3269.	56.81	166.4	-4.108

Check ?	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
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	-3.318	-1.436	102.0	400.0	90.49	1.503
Stddev	2.043	3.337	.7	1.4	.87	.373
%RSD	61.58	232.3	.6900	.3566	.9655	24.81

#1	-4.680	-4.037	101.9	398.4	89.54	1.123
#2	-4.306	-2.599	102.8	401.2	90.69	1.517
#3	-.9686	2.327	101.4	400.4	91.25	1.868

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-7-a@4 Acquired: 9/21/2012 22:27:16 Type: Unk
 Method: SW846_092112 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	26.70	1273.	1991.	1108.
Stddev	.75	7.	12.	12.
%RSD	2.793	.5342	.6197	1.122

#1	26.21	1280.	2005.	1097.
#2	27.56	1266.	1983.	1106.
#3	26.33	1272.	1984.	1121.

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	3646.4	35737.	3918.5
Stddev	15.1	150.	11.7
%RSD	.41528	.41868	.29945

#1	3651.5	35626.	3907.6
#2	3629.4	35678.	3930.9
#3	3658.4	35907.	3917.2

Sample Name: 460-44870-a-8-a@4 Acquired: 9/21/2012 22:31:24 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27230.	5.657	-.2896	100.5	.8597	225200.
Stddev	323.	.576	.8175	.5	.0741	740.
%RSD	1.186	10.19	282.3	.4896	8.623	.3286

#1	27440.	5.104	-1.233	100.2	.8066	224600.
#2	26860.	6.254	.2145	101.1	.9444	225100.
#3	27400.	5.614	.1495	100.4	.8281	226000.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5727	29.70	52.43	276.9	57510.	1731.
Stddev	.1493	.26	.25	5.0	247.	76.
%RSD	26.07	.8644	.4730	1.816	.4298	4.414

#1	-.7440	29.60	52.71	281.7	57790.	1738.
#2	-.4702	29.51	52.24	271.6	57310.	1652.
#3	-.5039	29.99	52.34	277.4	57440.	1804.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-8-a@4 Acquired: 9/21/2012 22:31:24 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	43190.	583.1	2021.	40.13	17.25	-1.576
Stddev	231.	2.7	26.	.37	1.45	.607
%RSD	.5357	.4691	1.293	.9101	8.436	38.52

#1	43440.	586.2	2037.	39.76	18.23	-2.277
#2	42990.	581.2	1991.	40.49	15.58	-1.223
#3	43140.	581.8	2035.	40.15	17.94	-1.228

Check ?	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
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	-2.520	-5.258	73.63	87.86	34.08	3.528
Stddev	2.379	.847	.34	.33	.91	.627
%RSD	94.43	16.11	.4560	.3740	2.661	17.77

#1	.2100	-5.767	73.81	87.48	33.03	3.622
#2	-3.615	-4.280	73.24	88.03	34.59	2.859
#3	-4.154	-5.726	73.83	88.07	34.62	4.103

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-8-a@4 Acquired: 9/21/2012 22:31:24 Type: Unk
Method: SW846_092112 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	3.245	1050.	1415.	970.8
Stddev	.199	12.	15.	13.7
%RSD	6.136	1.141	1.043	1.413

#1	3.461	1061.	1429.	979.3
#2	3.204	1037.	1399.	978.3
#3	3.069	1053.	1417.	955.0

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	3630.9	35413.	3897.5
Stddev	9.2	332.	34.7
%RSD	.25436	.93748	.89133

#1	3637.8	35039.	3893.3
#2	3634.4	35672.	3934.2
#3	3620.4	35528.	3865.1

Sample Name: 460-44870-a-9-a@4 Acquired: 9/21/2012 22:35:35 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39640.	9.550	.1480	212.9	1.536	F 426300.
Stddev	76.	.626	.2148	.7	.201	1542.
%RSD	.1914	6.551	145.2	.3138	13.10	.3617

#1	39730.	10.11	.1505	212.2	1.304	424700.
#2	39610.	8.874	-.0681	212.9	1.651	427700.
#3	39580.	9.667	.3615	213.5	1.654	426700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4896	25.21	94.31	124.3	53640.	5263.
Stddev	.0636	.13	3.01	4.5	1303.	38.
%RSD	12.99	.5126	3.189	3.646	2.430	.7172

#1	-.5326	25.26	92.18	119.8	52510.	5290.
#2	-.4165	25.06	92.99	128.8	53340.	5220.
#3	-.5197	25.30	97.75	124.3	55070.	5278.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-9-a@4 Acquired: 9/21/2012 22:35:35 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	71660.	974.1	2810.	54.75	51.43	-1.906
Stddev	1691.	22.5	7.	1.26	.66	3.370
%RSD	2.359	2.307	.2654	2.301	1.281	176.9

#1	70240.	954.6	2807.	55.63	51.33	-1.810
#2	71220.	969.1	2804.	53.31	52.14	-5.323
#3	73530.	998.7	2818.	55.33	50.84	1.416

Check ?	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
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	-2.503	-1.380	84.25	113.7	79.89	4.493
Stddev	2.011	4.004	1.85	.5	.79	.222
%RSD	80.35	290.1	2.190	.4662	.9838	4.931

#1	-2.762	2.883	82.48	113.2	79.49	4.237
#2	-3.749	-1.963	84.12	113.8	80.80	4.624
#3	-4.372	-5.061	86.16	114.2	79.39	4.617

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-9-a@4 Acquired: 9/21/2012 22:35:35 Type: Unk
 Method: SW846_092112 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	5.182	1959.	2110.	1070.
Stddev	.706	5.	5.	11.
%RSD	13.63	.2380	.2458	.9911

#1	4.408	1964.	2114.	1082.
#2	5.792	1957.	2112.	1065.
#3	5.345	1955.	2104.	1062.

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	3514.3	34340.	3832.1
Stddev	9.1	553.	33.2
%RSD	.25788	1.6104	.86617

#1	3522.1	34686.	3816.1
#2	3504.3	34632.	3809.9
#3	3516.4	33702.	3870.2

Sample Name: CCV Acquired: 9/21/2012 22:39:43 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126900.	2576.	1283.	10310.	1007.	119500.
Stddev	1625.	9.	14.	29.	13.	631.
%RSD	1.281	.3547	1.071	.2819	1.302	.5282

#1	126800.	2569.	1270.	10290.	1004.	120100.
#2	125300.	2587.	1284.	10340.	994.8	118800.
#3	128500.	2574.	1297.	10300.	1021.	119400.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1296.	2580.	5169.	12710.	103500.	52130.
Stddev	4.	9.	54.	135.	1059.	644.
%RSD	.2729	.3360	1.038	1.062	1.023	1.235

#1	1295.	2575.	5111.	12690.	102500.	51960.
#2	1301.	2590.	5178.	12580.	103500.	51580.
#3	1294.	2575.	5218.	12850.	104600.	52840.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/21/2012 22:39:43 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	129700.	5299.	132100.	2611.	7897.	1037.
Stddev	1368.	56.	1612.	5.	25.	7.
%RSD	1.054	1.055	1.220	.1937	.3210	.7119

#1	128400.	5243.	131800.	2608.	7890.	1036.
#2	129800.	5299.	130700.	2616.	7925.	1044.
#3	131100.	5354.	133900.	2607.	7876.	1030.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2561.	2617.	2575.	2560.	1021.	2596.
Stddev	8.	12.	30.	7.	3.	10.
%RSD	.2995	.4531	1.184	.2844	.3067	.3897

#1	2553.	2611.	2543.	2557.	1018.	2587.
#2	2563.	2631.	2578.	2569.	1024.	2607.
#3	2568.	2610.	2604.	2556.	1022.	2593.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/21/2012 22:39:43 Type: QC
Method: SW846_092112 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	1043.	5288.	10270.	9554.
Stddev	3.	69.	140.	117.
%RSD	.2883	1.306	1.363	1.222

#1	1040.	5273.	10240.	9481.
#2	1046.	5229.	10150.	9491.
#3	1042.	5364.	10420.	9688.

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	3433.2	33512.	3776.0
Stddev	5.6	256.	26.8
%RSD	.16190	.76482	.70980

#1	3431.7	33778.	3764.1
#2	3428.6	33492.	3806.7
#3	3439.4	33267.	3757.2

Sample Name: CCB Acquired: 9/21/2012 22:43:38 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-54.01	.8828	.0434	.2226	.0368	18.62
Stddev	26.43	1.203	.6651	.2027	.1782	17.92
%RSD	48.93	136.2	1531.	91.08	484.6	96.22

#1	-23.67	2.230	-.2848	.4077	-.1231	23.84
#2	-66.37	-.0836	-.3937	.2541	.0045	33.35
#3	-71.99	.5024	.8088	.0059	.2288	-1.327

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0341	-.1460	-.2025	-2.130	.8348	13.80
Stddev	.0575	.3852	.5805	6.449	4.441	84.43
%RSD	168.8	263.8	286.6	302.8	531.9	611.9

#1	-.0442	.2373	.3953	1.451	5.592	110.6
#2	.0278	-.5331	-.7641	1.734	.1132	-24.38
#3	-.0859	-.1424	-.2388	-9.575	-3.201	-44.80

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/21/2012 22:43:38 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	3.164	.1434	51.82	.2606	-.0080	.0165
Stddev	2.001	.0683	20.04	.7763	.8532	.5365
%RSD	63.25	47.63	38.67	297.9	10660.	3250.

#1	4.722	.2054	60.74	.8695	-.8992	-.5161
#2	3.862	.1546	65.85	-.6136	.8013	.0089
#3	.9069	.0702	28.87	.5258	.0739	.5567

Check ?	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
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	-1.883	-1.071	.2492	.2256	2.258	.6865
Stddev	1.768	2.757	.2708	.0717	.855	.2992
%RSD	93.93	257.5	108.7	31.80	37.87	43.58

#1	-1.795	.3308	.4162	.2625	3.194	.9701
#2	-3.693	-4.247	-.0633	.2713	1.517	.7157
#3	-.1597	.7044	.3946	.1429	2.065	.3738

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/21/2012 22:43:38 Type: QC
Method: SW846_092112 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	.5715	.2404	-.8148	14.76
Stddev	.7091	.2266	2.940	30.32
%RSD	124.1	94.27	360.8	205.4

#1	-.2092	.4640	2.227	-17.10
#2	.7478	.0110	-1.030	43.25
#3	1.176	.2461	-3.641	18.12

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	3686.8	37237.	3828.0
Stddev	18.5	270.	23.6
%RSD	.50134	.72402	.61576

#1	3691.6	37156.	3802.9
#2	3666.4	37538.	3849.7
#3	3702.4	37017.	3831.3

Sample Name: 460-44870-a-10-a@4 Acquired: 9/21/2012 22:47:56 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37210.	7.973	-.3015	173.5	1.498	F 288700.
Stddev	426.	.802	.7830	1.1	.092	3717.
%RSD	1.145	10.06	259.7	.6460	6.131	1.287

#1	37660.	7.073	-1.063	173.5	1.398	291700.
#2	37160.	8.614	-.3431	172.4	1.578	284600.
#3	36810.	8.231	.5015	174.6	1.520	289800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2688	12.23	39.55	55.12	32680.	2888.
Stddev	.0607	.38	.43	4.15	108.	46.
%RSD	22.58	3.143	1.091	7.529	.3317	1.589

#1	-.2475	12.67	39.94	57.60	32790.	2893.
#2	-.2216	11.95	39.62	57.43	32690.	2931.
#3	-.3372	12.07	39.09	50.33	32570.	2839.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-10-a@4 Acquired: 9/21/2012 22:47:56 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	35060.	830.9	3267.	31.49	61.91	-1.952
Stddev	104.	2.7	26.	.64	.91	1.339
%RSD	.2978	.3195	.7939	2.018	1.470	68.62

#1	35120.	832.7	3290.	31.41	61.45	-3.145
#2	35120.	832.1	3272.	30.90	61.33	-.5030
#3	34940.	827.8	3239.	32.16	62.96	-2.208

Check ?	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
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	.4716	-5.186	54.56	117.8	124.7	.9647
Stddev	.2697	.974	.46	1.1	1.4	.1780
%RSD	57.20	18.77	.8387	.9269	1.132	18.45

#1	.1921	-4.905	54.63	118.2	124.6	1.070
#2	.4923	-4.383	54.97	116.6	123.4	1.065
#3	.7303	-6.269	54.07	118.7	126.2	.7592

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44870-a-10-a@4 Acquired: 9/21/2012 22:47:56 Type: Unk
 Method: SW846_092112 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	4.743	1294.	1421.	1018.
Stddev	.528	14.	16.	29.
%RSD	11.13	1.052	1.100	2.816

#1	4.389	1308.	1439.	1038.
#2	4.491	1294.	1415.	1030.
#3	5.350	1281.	1410.	985.2

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	3576.4	35124.	3854.0
Stddev	23.6	251.	62.7
%RSD	.66100	.71361	1.6270

#1	3555.4	34845.	3782.2
#2	3602.0	35198.	3898.5
#3	3571.9	35329.	3881.2

Sample Name: 460-44794-f-4-a Acquired: 9/21/2012 22:52:06 Type: Unk
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	212.7	5.725	.4112	52.46	.1585	27410.
Stddev	3.0	1.435	1.180	.23	.0761	209.
%RSD	1.413	25.07	287.0	.4359	48.00	.7607

#1	214.9	5.756	1.500	52.37	.2100	27510.
#2	209.3	7.144	.5761	52.72	.0711	27550.
#3	213.9	4.274	-.8426	52.29	.1943	27170.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0081	.1099	.2579	8.088	1247.	748.4
Stddev	.1555	.1351	.3117	3.716	25.	27.1
%RSD	1921.	122.9	120.9	45.94	1.992	3.626

#1	.1800	.0313	.4070	7.763	1242.	735.3
#2	-.0327	.0326	-.1004	11.96	1225.	730.3
#3	-.1230	.2659	.4670	4.546	1274.	779.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44794-f-4-a Acquired: 9/21/2012 22:52:06 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	8614.	218.0	208700.	1.436	2.392	-.5755
Stddev	38.	1.0	1875.	.560	1.300	.8305
%RSD	.4439	.4632	.8987	39.02	54.34	144.3

#1	8625.	217.7	209700.	1.633	.9110	-.6869
#2	8572.	217.1	209800.	.8039	3.344	.3052
#3	8646.	219.1	206500.	1.871	2.919	-1.345

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	-.6511	-1.745	21.82	4.834	F 2437.	33.60
Stddev	1.350	2.309	.56	.082	18.	.37
%RSD	207.3	132.3	2.575	1.697	.7392	1.104

#1	-.3403	-4.365	21.45	4.768	2416.	33.20
#2	-2.129	-.8606	21.54	4.926	2445.	33.68
#3	.5161	-.0084	22.47	4.808	2449.	33.92

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					2000.	
Low Limit					-50.00	

Sample Name: 460-44794-f-4-a Acquired: 9/21/2012 22:52:06 Type: Unk
Method: SW846_092112 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	.1166	771.7	11.48	12970.
Stddev	.2859	5.2	1.00	75.
%RSD	245.2	.6731	8.706	.5744

#1	.3949	773.2	10.79	12900.
#2	.1314	776.0	12.63	13050.
#3	-.1764	765.9	11.03	12950.

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	3649.2	35590.	3894.0
Stddev	9.2	108.	14.8
%RSD	.25098	.30349	.37918

#1	3657.7	35603.	3881.3
#2	3650.5	35691.	3890.6
#3	3639.5	35476.	3910.2

Sample Name: 460-44794-f-5-a Acquired: 9/21/2012 22:56:21 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1100.	52.54	-.9728	466.8	.1953	116300.
Stddev	25.	1.97	.1802	2.3	.2208	1225.
%RSD	2.272	3.744	18.52	.4920	113.1	1.054

#1	1071.	51.74	-.9547	469.0	.2513	116200.
#2	1116.	54.79	-.8024	467.0	-.0481	117500.
#3	1113.	51.11	-1.161	464.4	.3826	115100.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0471	5.320	6.506	14.69	125800.	7304.
Stddev	.1426	.086	.336	2.06	538.	176.
%RSD	302.8	1.607	5.161	14.06	.4277	2.413

#1	.0500	5.282	6.697	13.65	125200.	7121.
#2	.0195	5.259	6.119	17.07	126000.	7473.
#3	-.2107	5.417	6.704	13.35	126200.	7317.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44794-f-5-a Acquired: 9/21/2012 22:56:21 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	17080.	1355.	191500.	1.480	8.887	1.165
Stddev	79.	6.	3329.	.795	1.173	2.713
%RSD	.4604	.4262	1.738	53.72	13.20	232.9

#1	16990.	1349.	188000.	.9776	9.225	4.272
#2	17100.	1357.	194600.	1.066	9.854	-.0467
#3	17140.	1360.	192100.	2.396	7.582	-.7312

Check ?	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
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	3.776	-6.429	33.92	40.50	191.9	3.092
Stddev	1.544	.825	.13	.24	2.8	.556
%RSD	40.90	12.84	.3978	.5839	1.443	17.98

#1	4.667	-5.646	33.88	40.77	194.3	3.207
#2	4.667	-7.291	33.81	40.31	192.4	2.488
#3	1.992	-6.349	34.07	40.43	188.9	3.582

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44794-f-5-a Acquired: 9/21/2012 22:56:21 Type: Unk
 Method: SW846_092112 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	2.902	635.0	48.26	16580.
Stddev	.618	12.2	2.14	165.
%RSD	21.30	1.914	4.427	.9965

#1	2.776	622.1	45.81	16480.
#2	3.573	646.2	49.28	16770.
#3	2.356	636.7	49.70	16480.

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	3567.8	34589.	3871.5
Stddev	1.4	351.	50.8
%RSD	.03943	1.0135	1.3113

#1	3569.0	34973.	3929.5
#2	3566.2	34508.	3835.2
#3	3568.2	34286.	3849.8

Sample Name: 460-44794-f-6-a Acquired: 9/21/2012 23:00:30 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2040.	12.99	.1285	203.0	.3935	70570.
Stddev	52.	.31	.5894	.9	.2594	1013.
%RSD	2.540	2.376	458.5	.4663	65.93	1.435

#1	1981.	12.72	.5629	204.0	.1522	70960.
#2	2076.	12.93	-.5424	202.6	.6678	71340.
#3	2064.	13.33	.3652	202.2	.3604	69420.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0526	3.114	4.401	6.259	30150.	10290.
Stddev	.2897	.390	.363	2.527	318.	201.
%RSD	550.7	12.52	8.243	40.37	1.055	1.948

#1	.0165	3.190	4.081	3.378	30490.	10090.
#2	-.3706	3.461	4.326	7.304	30120.	10300.
#3	.1962	2.692	4.795	8.096	29850.	10490.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44794-f-6-a Acquired: 9/21/2012 23:00:30 Type: Unk
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	11140.	1526.	186500.	4.719	8.919	-.5571
Stddev	121.	16.	1695.	.338	.632	2.675
%RSD	1.082	1.081	.9087	7.155	7.092	480.2

#1	11270.	1543.	184600.	4.859	9.351	-2.175
#2	11130.	1524.	187100.	4.334	9.213	-2.028
#3	11030.	1510.	187800.	4.965	8.193	2.531

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	-3.408	-5.320	8.608	17.73	651.2	2.854
Stddev	4.547	1.716	.337	.14	3.2	.218
%RSD	133.4	32.25	3.914	.7788	.4923	7.649

#1	-2.522	-3.340	8.909	17.87	654.4	2.981
#2	.6313	-6.384	8.670	17.73	651.3	2.979
#3	-8.333	-6.234	8.244	17.59	648.0	2.602

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44794-f-6-a Acquired: 9/21/2012 23:00:30 Type: Unk
 Method: SW846_092112 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	.9379	447.8	85.53	14230.
Stddev	.5605	4.3	1.10	35.
%RSD	59.76	.9528	1.287	.2476

#1	.3435	443.1	84.69	14240.
#2	1.457	449.0	85.12	14260.
#3	1.013	451.3	86.77	14190.

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	3603.0	35086.	3872.0
Stddev	4.2	207.	35.5
%RSD	.11710	.59137	.91642

#1	3600.5	34870.	3912.8
#2	3600.6	35106.	3854.7
#3	3607.9	35283.	3848.4

Sample Name: 460-44794-f-7-a Acquired: 9/21/2012 23:04:41 Type: Unk
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3245.	11.11	.0062	131.1	.4101	43260.
Stddev	62.	1.52	.7253	.4	.1990	212.
%RSD	1.911	13.67	11700.	.2797	48.53	.4910
#1	3227.	12.47	-.7952	131.3	.2641	43320.
#2	3194.	9.472	.6177	131.4	.3294	43020.
#3	3314.	11.40	.1961	130.7	.6368	43430.
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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2175	3.304	9.185	79.50	30160.	7460.
Stddev	.0279	.290	.319	4.34	197.	68.
%RSD	12.82	8.774	3.469	5.461	.6538	.9096
#1	.1857	3.548	8.823	74.49	30200.	7438.
#2	.2377	2.983	9.307	82.08	30330.	7406.
#3	.2291	3.380	9.424	81.93	29940.	7537.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44794-f-7-a Acquired: 9/21/2012 23:04:41 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	6316.	1137.	190800.	4.984	112.0	.8973
Stddev	43.	7.	2602.	.728	1.6	.9617
%RSD	.6814	.5970	1.364	14.61	1.446	107.2

#1	6325.	1140.	190700.	4.147	113.7	.8559
#2	6353.	1142.	188300.	5.334	110.5	1.879
#3	6269.	1129.	193500.	5.471	111.8	-.0430

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	-4.693	-3.808	14.72	95.54	1000.	1.176
Stddev	4.142	1.067	.53	.23	3.	.079
%RSD	88.25	28.02	3.600	.2401	.2589	6.731

#1	-.5990	-3.420	14.33	95.73	1000.	1.174
#2	-4.599	-2.990	15.33	95.60	1002.	1.257
#3	-8.881	-5.015	14.51	95.28	997.3	1.099

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44794-f-7-a Acquired: 9/21/2012 23:04:41 Type: Unk
Method: SW846_092112 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	3.366	307.8	136.9	11550.
Stddev	.464	4.4	3.0	70.
%RSD	13.80	1.421	2.197	.6043

#1	2.872	307.2	139.7	11600.
#2	3.430	303.7	133.7	11470.
#3	3.795	312.4	137.3	11570.

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	3636.6	35072.	3874.8
Stddev	10.6	183.	54.7
%RSD	.29108	.52276	1.4105

#1	3640.1	35200.	3897.4
#2	3645.0	34862.	3914.4
#3	3624.7	35154.	3812.4

Sample Name: 460-44794-f-8-a Acquired: 9/21/2012 23:08:50 Type: Unk
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3104.	8.733	-.5252	92.68	.2385	39710.
Stddev	41.	1.361	.7151	.14	.1587	49.
%RSD	1.311	15.58	136.2	.1551	66.53	.1245

#1	3150.	10.29	-.7552	92.55	.1630	39770.
#2	3074.	7.744	-1.097	92.83	.4208	39670.
#3	3088.	8.171	.2766	92.66	.1317	39700.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0564	5.185	4.519	66.61	26060.	6098.
Stddev	.1792	.508	.467	5.55	156.	67.
%RSD	317.8	9.795	10.33	8.326	.5967	1.091

#1	.2603	4.628	4.023	62.26	26230.	6032.
#2	-.0762	5.302	4.584	64.72	26020.	6095.
#3	-.0149	5.624	4.950	72.85	25920.	6165.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44794-f-8-a Acquired: 9/21/2012 23:08:50 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	7129.	876.3	96970.	5.869	49.64	-1.449
Stddev	41.	5.8	527.	.567	.60	4.219
%RSD	.5739	.6561	.5439	9.661	1.201	291.1

#1	7176.	882.7	97150.	5.415	50.21	-5.846
#2	7103.	874.4	96370.	5.688	49.02	2.566
#3	7107.	871.6	97380.	6.505	49.70	-1.067

Check ?	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
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	-3.228	-5.187	14.10	55.99	1356.	1.608
Stddev	.793	1.201	.61	.17	1.	.370
%RSD	24.55	23.15	4.315	.3060	.0599	22.99

#1	-2.319	-6.512	14.73	56.17	1355.	1.659
#2	-3.591	-4.879	13.51	55.98	1357.	1.950
#3	-3.774	-4.170	14.06	55.83	1356.	1.216

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44794-f-8-a Acquired: 9/21/2012 23:08:50 Type: Unk
 Method: SW846_092112 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	1.731	327.5	131.2	15640.
Stddev	.440	2.1	2.1	101.
%RSD	25.43	.6531	1.575	.6460

#1	2.069	328.3	129.5	15750.
#2	1.233	325.0	130.5	15570.
#3	1.890	329.1	133.5	15580.

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	3700.7	36203.	3956.8
Stddev	11.6	190.	50.3
%RSD	.31262	.52374	1.2718

#1	3702.9	36030.	3984.0
#2	3711.0	36406.	3987.6
#3	3688.2	36172.	3898.7

Sample Name: 460-44570-i-2-a Acquired: 9/21/2012 23:13:01 Type: Unk
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.56	2.330	.6802	8.465	.1440	54580.
Stddev	9.59	1.670	.7008	.153	.0828	330.
%RSD	57.91	71.64	103.0	1.804	57.48	.6049
#1	8.466	.4540	-.1289	8.549	.1810	54640.
#2	14.06	3.652	1.099	8.289	.2018	54220.
#3	27.15	2.886	1.070	8.557	.0492	54870.
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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0629	-.0133	-.1842	-.5413	46.05	211.9
Stddev	.1177	.0992	.4220	4.135	15.53	38.4
%RSD	187.1	746.4	229.1	763.8	33.72	18.12
#1	.0493	.0730	-.1413	-.3138	53.38	168.2
#2	.1868	-.1216	-.6260	-4.785	56.56	240.5
#3	-.0474	.0087	.2147	3.475	28.21	226.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44570-i-2-a Acquired: 9/21/2012 23:13:01 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	5332.	39.36	3095.	.4349	1.966	-1.341
Stddev	16.	.21	56.	.3360	.278	2.972
%RSD	.3085	.5344	1.795	77.26	14.13	221.6

#1	5329.	39.36	3158.	.3596	1.749	.2609
#2	5317.	39.15	3071.	.1429	2.279	-4.770
#3	5350.	39.57	3054.	.8021	1.870	.4860

Check ?	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
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	-2.206	-1.238	1.875	1.278	30.44	.5070
Stddev	2.063	2.032	.588	.090	1.01	.4101
%RSD	93.49	164.2	31.34	7.021	3.320	80.90

#1	-1.140	-3.505	2.093	1.203	31.32	.7981
#2	-4.584	.4179	1.209	1.377	29.34	.6848
#3	-.8949	-.6253	2.322	1.254	30.67	.0379

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44570-i-2-a Acquired: 9/21/2012 23:13:01 Type: Unk
Method: SW846_092112 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	.1433	349.6	1.731	1373.
Stddev	.3934	3.7	.347	17.
%RSD	274.5	1.068	20.03	1.266

#1	.5141	353.8	1.744	1390.
#2	-.2693	346.9	2.071	1355.
#3	.1851	348.0	1.378	1372.

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	3637.1	36410.	3848.6
Stddev	26.9	86.	49.6
%RSD	.73956	.23519	1.2879

#1	3610.1	36371.	3793.0
#2	3663.9	36508.	3888.0
#3	3637.3	36351.	3864.9

Sample Name: 460-44570-i-4-a Acquired: 9/21/2012 23:17:16 Type: Unk
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-66.53	.4996	.9317	-.1978	.1300	17.90
Stddev	21.76	1.347	.9539	.1576	.0763	13.04
%RSD	32.70	269.7	102.4	79.69	58.69	72.85

#1	-41.65	1.921	-.1180	-.1538	.2170	32.69
#2	-81.99	-.7597	1.167	-.3728	.0748	12.96
#3	-75.96	.3379	1.746	-.0669	.0981	8.052

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1194	-.3879	-.1115	-3.613	-12.53	-91.41
Stddev	.0368	.2100	.3308	1.910	21.92	31.46
%RSD	30.83	54.15	296.7	52.87	174.9	34.41

#1	-.0845	-.1695	-.4541	-4.315	12.78	-59.08
#2	-.1157	-.4058	-.0863	-5.072	-24.83	-93.23
#3	-.1578	-.5884	.2060	-1.451	-25.54	-121.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44570-i-4-a Acquired: 9/21/2012 23:17:16 Type: Unk
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-0.0078	-0.0293	82.88	.1667	1.310	2.725
Stddev	2.822	.0590	24.75	.3372	.329	2.081
%RSD	36090.	201.2	29.86	202.3	25.11	76.37

#1	2.143	.0239	103.1	.3824	1.684	.3228
#2	-3.204	-.0191	55.29	.3396	1.067	3.874
#3	1.037	-.0927	90.23	-.2219	1.179	3.978

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	-2.656	-1.296	.0484	.8058	10.49	.4138
Stddev	2.574	1.245	.3636	.1620	.54	.4705
%RSD	96.90	96.07	751.1	20.10	5.141	113.7

#1	.3156	-.7123	-.3016	.9829	10.48	.5070
#2	-4.173	-.4498	.0225	.7695	9.962	-.0964
#3	-4.111	-2.725	.4243	.6651	11.04	.8308

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44570-i-4-a Acquired: 9/21/2012 23:17:16 Type: Unk
Method: SW846_092112 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	.3983	.0830	.7381	22.00
Stddev	.5578	.1052	2.292	8.90
%RSD	140.1	126.8	310.5	40.45

#1	.2238	.1489	3.130	14.35
#2	1.022	-.0383	-1.438	19.90
#3	-.0515	.1383	.5228	31.77

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	3773.9	37882.	3920.0
Stddev	22.8	312.	40.9
%RSD	.60471	.82262	1.0435

#1	3764.0	37604.	3906.0
#2	3800.1	38219.	3887.9
#3	3757.8	37822.	3966.1

Sample Name: 460-44582-f-1-a Acquired: 9/21/2012 23:21:34 Type: Unk
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-36.73	.5170	.3086	29.81	.1347	42640.
Stddev	25.61	1.040	.6310	.47	.1259	146.
%RSD	69.71	201.2	204.5	1.591	93.47	.3424
#1	-19.98	1.196	-.2690	30.12	-.0107	42800.
#2	-24.00	1.035	.2128	29.27	.2090	42600.
#3	-66.21	-.6803	.9820	30.05	.2059	42520.
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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1394	-.5294	.3657	-.6218	5.254	3126.
Stddev	.0663	.2533	.6225	3.939	13.85	35.
%RSD	47.57	47.85	170.2	633.4	263.6	1.129
#1	-.1929	-.6105	1.056	3.925	14.00	3141.
#2	-.0652	-.7322	.1933	-2.966	12.48	3151.
#3	-.1602	-.2454	-.1525	-2.824	-10.71	3085.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44582-f-1-a Acquired: 9/21/2012 23:21:34 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	17280.	.6358	125500.	1.456	.9156	-.7024
Stddev	21.	.0279	1092.	.310	2.311	2.629
%RSD	.1219	4.380	.8703	21.29	252.3	374.3

#1	17270.	.6054	126700.	1.689	2.348	2.301
#2	17270.	.6600	125400.	1.104	2.149	-2.587
#3	17300.	.6422	124500.	1.574	-1.750	-1.821

Check ?	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
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	-.5025	-1.058	.2383	4.150	31.00	.0717
Stddev	2.548	2.061	.6286	.015	.46	.3485
%RSD	507.2	194.7	263.8	.3485	1.497	486.3

#1	-2.190	.8193	.1638	4.166	30.49	.2685
#2	-1.746	-.7310	.9007	4.137	31.40	.2772
#3	2.429	-3.263	-.3498	4.148	31.09	-.3308

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44582-f-1-a Acquired: 9/21/2012 23:21:34 Type: Unk
Method: SW846_092112 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	.3850	162.3	2.613	7967.
Stddev	.2119	1.7	1.993	66.
%RSD	55.04	1.048	76.27	.8336

#1	.4326	164.1	2.383	8007.
#2	.1533	162.0	.7449	8005.
#3	.5690	160.8	4.711	7891.

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	3566.3	35336.	3834.2
Stddev	8.6	83.	18.6
%RSD	.24178	.23349	.48474

#1	3562.1	35347.	3813.2
#2	3576.2	35413.	3841.3
#3	3560.5	35249.	3848.3

Sample Name: 460-44582-a-3-a Acquired: 9/21/2012 23:25:49 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.154	1.643	.3655	30.13	.1205	42760.
Stddev	3.289	.445	.5017	.59	.1586	465.
%RSD	79.16	27.09	137.3	1.958	131.6	1.088

#1	-7.827	2.082	.1232	29.57	-.0566	42490.
#2	-3.153	1.657	.0310	30.08	.1690	42490.
#3	-1.483	1.191	.9424	30.74	.2492	43290.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0116	-.2430	.4786	3.550	14.07	3188.
Stddev	.1908	.1749	.3832	5.512	11.45	63.
%RSD	1644.	71.99	80.08	155.3	81.37	1.989

#1	.1803	-.4320	.8236	1.838	14.93	3235.
#2	-.0138	-.2103	.0661	-.9037	2.217	3213.
#3	-.2012	-.0868	.5460	9.715	25.07	3116.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44582-a-3-a Acquired: 9/21/2012 23:25:49 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	17430.	.5953	126700.	1.200	.7286	.8193
Stddev	88.	.0337	384.	.219	.9507	.1381
%RSD	.5026	5.669	.3030	18.27	130.5	16.86

#1	17380.	.5572	126400.	1.454	1.582	.6807
#2	17380.	.6072	127200.	1.067	-.2961	.9570
#3	17530.	.6214	126600.	1.081	.8999	.8201

Check ?	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
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	-1.341	-1.309	.3696	3.774	30.79	-.2043
Stddev	2.398	.209	.1762	.138	.62	.2766
%RSD	178.9	15.97	47.68	3.648	2.015	135.4

#1	-2.972	-1.075	.1670	3.850	30.08	-.0879
#2	-2.463	-1.375	.4870	3.615	31.26	-.0048
#3	1.413	-1.477	.4550	3.858	31.02	-.5201

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44582-a-3-a Acquired: 9/21/2012 23:25:49 Type: Unk
Method: SW846_092112 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	.1145	163.5	.5021	7986.
Stddev	.3386	.6	1.807	94.
%RSD	295.6	.3706	359.9	1.175

#1	.4255	162.9	-.2114	7887.
#2	-.2462	164.1	-.8392	7997.
#3	.1643	163.3	2.557	8074.

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	3546.6	35202.	3791.8
Stddev	19.4	84.	18.5
%RSD	.54663	.23964	.48770

#1	3567.7	35113.	3776.0
#2	3542.4	35281.	3787.3
#3	3529.6	35212.	3812.2

Sample Name: CCV Acquired: 9/21/2012 23:30:06 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	128200.	2592.	1279.	10360.	1015.	115900.
Stddev	215.	15.	5.	26.	1.	1040.
%RSD	.1680	.5735	.3828	.2554	.1395	.8972

#1	128200.	2595.	1284.	10360.	1016.	115800.
#2	128000.	2605.	1274.	10390.	1013.	114900.
#3	128400.	2575.	1280.	10340.	1016.	117000.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1303.	2599.	5153.	12820.	103100.	52660.
Stddev	4.	8.	25.	30.	516.	217.
%RSD	.3446	.3143	.4882	.2308	.4998	.4129

#1	1301.	2601.	5182.	12830.	103700.	52470.
#2	1308.	2606.	5143.	12780.	102700.	52600.
#3	1300.	2590.	5135.	12830.	103000.	52900.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/21/2012 23:30:06 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	129600.	5280.	134000.	2629.	7935.	1040.
Stddev	690.	21.	339.	5.	21.	1.
%RSD	.5322	.4006	.2533	.2079	.2620	.0750

#1	130400.	5303.	133800.	2631.	7924.	1040.
#2	129200.	5262.	133800.	2633.	7959.	1041.
#3	129200.	5275.	134400.	2623.	7923.	1039.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2575.	2639.	2565.	2577.	1029.	2607.
Stddev	17.	11.	9.	9.	3.	7.
%RSD	.6740	.4316	.3547	.3642	.2475	.2851

#1	2573.	2634.	2576.	2577.	1028.	2600.
#2	2594.	2652.	2560.	2586.	1032.	2615.
#3	2559.	2630.	2560.	2567.	1027.	2605.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/21/2012 23:30:06 Type: QC
Method: SW846_092112 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	1048.	5328.	10330.	9589.
Stddev	3.	19.	26.	85.
%RSD	.3262	.3653	.2533	.8862

#1	1047.	5324.	10340.	9687.
#2	1052.	5311.	10300.	9539.
#3	1045.	5349.	10360.	9540.

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	3394.8	33370.	3722.2
Stddev	6.2	300.	37.9
%RSD	.18187	.89977	1.0185

#1	3401.4	33051.	3765.9
#2	3389.1	33411.	3701.2
#3	3394.0	33647.	3699.4

Sample Name: CCB Acquired: 9/21/2012 23:34:01 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-31.34	2.350	-.3983	.0729	.2847	19.65
Stddev	36.57	1.956	.6402	.5095	.2600	23.29
%RSD	116.7	83.23	160.7	698.7	91.32	118.5

#1	10.02	.9162	-.4871	.5956	.5843	46.53
#2	-59.42	1.556	-.9895	.0455	.1535	5.304
#3	-44.63	4.579	.2817	-.4223	.1165	7.122

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0383	-.1370	.0548	-.6266	1.923	4.305
Stddev	.0932	.4219	.4633	3.549	4.561	50.19
%RSD	243.6	307.9	844.9	566.4	237.2	1166.

#1	-.0651	-.4051	.4264	-4.100	6.765	36.56
#2	-.1152	-.3553	-.4642	2.994	1.295	29.87
#3	.0654	.3493	.2023	-.7733	-2.292	-53.52

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/21/2012 23:34:01 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	3.518	.2591	108.4	.4696	-.5095	-2.232
Stddev	8.275	.5117	40.6	.7089	.7637	1.906
%RSD	235.2	197.5	37.43	150.9	149.9	85.39

#1	12.74	.8467	153.6	1.257	-.0546	-2.970
#2	1.085	.0193	96.41	.2705	-1.391	-3.659
#3	-3.267	-.0887	75.16	-.1184	-.0828	-.0675

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	-1.102	-.0121	.6509	.1580	1.995	1.223
Stddev	2.263	1.765	.4222	.1510	1.122	.432
%RSD	205.4	14620.	64.86	95.56	56.23	35.35

#1	-.0345	1.799	1.087	.3046	3.038	1.437
#2	.4299	-1.726	.6214	.0030	2.138	1.506
#3	-3.701	-.1094	.2442	.1664	.8084	.7251

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/21/2012 23:34:01 Type: QC
Method: SW846_092112 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	.2624	.5237	2.843	4.933
Stddev	.7359	.7999	2.803	11.36
%RSD	280.4	152.7	98.60	230.2

#1	.3246	1.447	5.642	-7.493
#2	-.5025	.0794	.0366	14.77
#3	.9653	.0445	2.849	7.520

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	3683.8	36932.	3781.4
Stddev	20.0	320.	29.0
%RSD	.54220	.86737	.76563

#1	3706.8	36883.	3803.8
#2	3673.4	37275.	3748.7
#3	3671.1	36640.	3791.5

Sample Name: mb 460-128543/1-a@2 Acquired: 9/21/2012 23:38:20 Type: QC

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-31.27	1.002	.2554	.0231	.0617	16.77
Stddev	12.43	1.072	.3163	.2819	.1846	28.37
%RSD	39.76	106.9	123.8	1220.	299.4	169.2

#1	-28.14	1.496	-.0187	.1717	-.0948	-13.56
#2	-20.70	1.739	.6014	-.3020	.2653	42.65
#3	-44.97	-.2273	.1834	.1996	.0145	21.21

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1785	-.1026	.0483	-2.902	-.9769	-57.90
Stddev	.1180	.1949	.6249	2.741	7.114	32.82
%RSD	66.14	190.0	1295.	94.47	728.2	56.69

#1	-.2679	-.2983	.7541	-1.569	3.832	-58.08
#2	-.2228	.0915	-.4343	-1.082	2.387	-90.62
#3	-.0447	-.1010	-.1751	-6.054	-9.149	-24.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-128543/1-a@2 Acquired: 9/21/2012 23:38:20 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-3.431	-.0925	55.69	.1361	-.1520	.2821
Stddev	1.484	.0875	8.55	.8302	.4301	.3346
%RSD	43.25	94.53	15.35	609.8	283.0	118.6
#1	-5.047	.0063	61.19	-.3756	-.6138	.2213
#2	-2.130	-.1600	60.04	-.3100	-.0793	.6430
#3	-3.116	-.1239	45.84	1.094	.2371	-.0179

Check ?	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
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	-.0519	-3.160	.3391	.1208	.5408	.0567
Stddev	2.753	.307	.4261	.0877	.5172	.2416
%RSD	5308.	9.728	125.6	72.61	95.64	425.8
#1	2.873	-2.846	.7392	.2102	.6892	.2416
#2	-2.593	-3.460	.3871	.0348	.9676	-.2166
#3	-.4351	-3.175	-.1089	.1174	-.0344	.1453

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-128543/1-a@2 Acquired: 9/21/2012 23:38:20 Type: QC
Method: SW846_092112 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	.1113	-.1105	.0064	-20.35
Stddev	.5089	.0103	3.220	21.31
%RSD	457.2	9.287	50350.	104.7

#1	.2802	-.0988	-3.324	-31.89
#2	-.4606	-.1178	.2398	-33.40
#3	.5143	-.1149	3.103	4.246

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	3670.3	36772.	3805.9
Stddev	20.2	216.	19.4
%RSD	.55078	.58781	.50937

#1	3647.8	36957.	3822.1
#2	3676.0	36825.	3784.4
#3	3687.0	36535.	3811.1

Sample Name: 460-44615-c-4-a Acquired: 9/21/2012 23:42:39 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-41.09	1.367	.0172	.0339	.0967	8.421
Stddev	10.68	1.735	.8789	.3604	.0579	9.235
%RSD	25.99	126.9	5103.	1063.	59.82	109.7

#1	-42.80	-.3952	.5338	-.2988	.0401	7.212
#2	-50.81	3.074	-.9976	-.0162	.1557	18.20
#3	-29.66	1.422	.5154	.4167	.0944	-.1494

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0057	-.4764	-.2580	-2.552	.2698	-111.6
Stddev	.0834	.3622	.2974	3.776	11.03	31.1
%RSD	1475.	76.03	115.3	148.0	4089.	27.91

#1	.0123	-.0770	-.5933	1.460	5.971	-92.41
#2	-.0966	-.5686	-.0261	-6.037	-12.45	-94.84
#3	.0673	-.7837	-.1547	-3.078	7.284	-147.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44615-c-4-a Acquired: 9/21/2012 23:42:39 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	-4.452	.0100	75.44	.3079	-.2423	-2.088
Stddev	5.578	.0588	13.47	.2706	1.443	1.954
%RSD	125.3	590.4	17.85	87.89	595.5	93.57

#1	1.861	.0196	82.02	.0406	-1.842	.1625
#2	-6.507	.0634	59.95	.5817	.1539	-3.349
#3	-8.712	-.0531	84.36	.3015	.9612	-3.077

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	-.2193	-2.685	-.1430	.9054	1.525	.1048
Stddev	3.000	1.122	.5051	.1164	.450	.2443
%RSD	1368.	41.77	353.2	12.86	29.52	233.1

#1	-3.537	-1.708	.2405	.8064	1.353	.3444
#2	2.302	-3.909	-.7153	.8760	2.036	.1138
#3	.5774	-2.437	.0458	1.034	1.187	-.1439

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44615-c-4-a Acquired: 9/21/2012 23:42:39 Type: Unk
Method: SW846_092112 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	.3360	-.1490	-.5986	10.53
Stddev	.3268	.1659	1.930	36.55
%RSD	97.27	111.3	322.5	347.2

#1	.0614	-.0996	-.9917	33.25
#2	.2491	-.3340	1.498	29.97
#3	.6975	-.0134	-2.302	-31.64

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	3735.0	37847.	3886.3
Stddev	5.1	165.	21.3
%RSD	.13705	.43594	.54849

#1	3729.6	37659.	3885.4
#2	3735.6	37968.	3908.0
#3	3739.8	37914.	3865.4

Sample Name: 460-44628-a-17-b@100 Acquired: 9/21/2012 23:46:58 Type: Unk
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.71	20.72	.1154	22.36	.1012	19.04
Stddev	6.26	.90	.4675	.12	.0511	7.53
%RSD	37.49	4.351	405.0	.5218	50.51	39.53

#1	21.36	21.74	-.4005	22.42	.0599	22.83
#2	19.18	20.03	.5108	22.22	.0853	10.37
#3	9.587	20.38	.2361	22.43	.1584	23.93

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2107	11.13	182.0	526.1	103700.	-59.69
Stddev	.1248	.05	1.9	5.1	1251.	85.58
%RSD	59.23	.4659	1.056	.9657	1.207	143.4

#1	-.3540	11.18	183.6	528.6	104800.	-85.34
#2	-.1255	11.13	179.9	520.3	102300.	-129.5
#3	-.1527	11.08	182.6	529.5	103900.	35.78

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44628-a-17-b@100 Acquired: 9/21/2012 23:46:58 Type: Unk
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	17.04	598.6	-28.86	30.62	17.50	.8184
Stddev	3.62	7.1	7.91	.27	1.59	2.172
%RSD	21.23	1.194	27.39	.8833	9.069	265.4
#1	13.35	604.7	-34.96	30.41	15.67	.9346
#2	20.58	590.7	-31.70	30.92	18.29	2.930
#3	17.20	600.4	-19.93	30.53	18.53	-1.410

Check ?	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
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	-6.513	-11.47	35.19	69.22	-.6105	322.1
Stddev	2.362	2.46	.27	.59	.6184	2.0
%RSD	36.26	21.43	.7566	.8589	101.3	.6123
#1	-3.831	-12.87	34.99	68.70	-.9002	320.3
#2	-7.425	-8.635	35.08	69.09	.0995	321.7
#3	-8.282	-12.92	35.49	69.87	-1.031	324.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44628-a-17-b@100 Acquired: 9/21/2012 23:46:58 Type: Unk
Method: SW846_092112 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	4.794	1.567	63.79	166.9
Stddev	.436	.048	.81	4.7
%RSD	9.093	3.087	1.265	2.821

#1	5.296	1.523	62.86	163.7
#2	4.512	1.558	64.16	164.7
#3	4.573	1.619	64.34	172.3

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	3667.1	36580.	3857.1
Stddev	11.9	46.	17.3
%RSD	.32383	.12626	.44809

#1	3678.1	36539.	3866.1
#2	3668.7	36630.	3868.1
#3	3654.5	36571.	3837.2

Sample Name: 460-44767-a-5-a@10 Acquired: 9/21/2012 23:51:10 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17650.	4.283	-.0767	84.37	1.228	1217.
Stddev	223.	1.622	.1130	1.14	.045	13.
%RSD	1.264	37.88	147.4	1.354	3.650	1.067

#1	17570.	5.909	-.0342	83.36	1.273	1203.
#2	17480.	2.664	.0090	84.12	1.184	1221.
#3	17900.	4.276	-.2048	85.61	1.227	1227.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3981	12.09	36.58	29.09	86070.	1764.
Stddev	.0640	.18	.20	1.19	348.	16.
%RSD	16.08	1.506	.5352	4.098	.4040	.9252

#1	-.4711	11.89	36.61	30.07	85690.	1783.
#2	-.3715	12.23	36.37	27.76	86120.	1753.
#3	-.3517	12.16	36.76	29.44	86380.	1756.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44767-a-5-a@10 Acquired: 9/21/2012 23:51:10 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	2026.	109.1	79.82	32.68	22.17	-1.218
Stddev	11.	.3	1.76	.87	.64	1.216
%RSD	.5247	.2733	2.204	2.660	2.864	99.86

#1	2014.	108.9	81.85	31.75	21.63	-.2228
#2	2029.	109.0	78.94	32.83	22.01	-.8575
#3	2035.	109.4	78.67	33.47	22.87	-2.574

Check ?	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
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	-4.987	-6.464	48.70	91.38	1.448	.5557
Stddev	2.200	3.323	.39	1.39	.504	.1916
%RSD	44.12	51.40	.7981	1.521	34.80	34.49

#1	-3.973	-2.880	48.28	89.98	.9290	.4397
#2	-7.512	-9.442	48.77	91.40	1.936	.7769
#3	-3.477	-7.070	49.05	92.75	1.481	.4505

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44767-a-5-a@10 Acquired: 9/21/2012 23:51:10 Type: Unk
 Method: SW846_092112 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	3.088	14.13	422.9	590.9
Stddev	.571	.24	6.5	28.2
%RSD	18.49	1.699	1.535	4.768

#1	2.446	14.20	419.9	577.5
#2	3.277	13.86	418.5	571.9
#3	3.540	14.33	430.4	623.2

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	3776.0	37529.	3915.5
Stddev	31.5	13.	20.3
%RSD	.83473	.03555	.51743

#1	3799.4	37518.	3902.2
#2	3788.5	37525.	3938.8
#3	3740.2	37544.	3905.5

Sample Name: 460-44640-a-1-a@5 Acquired: 9/21/2012 23:55:22 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5957.	21.69	-.1280	384.4	.9876	10400.
Stddev	80.	1.36	.6242	2.5	.1009	94.
%RSD	1.338	6.277	487.5	.6629	10.21	.9067

#1	5888.	23.19	-.3125	381.6	1.103	10290.
#2	5937.	21.36	.5676	385.1	.9142	10440.
#3	6044.	20.53	-.6392	386.5	.9460	10470.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.220	1.892	7.798	39.66	1668.	796.6
Stddev	.079	.173	.356	2.52	.	34.5
%RSD	6.451	9.121	4.566	6.360	.0273	4.337

#1	1.154	2.053	7.519	39.84	1668.	834.8
#2	1.200	1.710	8.199	37.05	1668.	787.3
#3	1.307	1.914	7.676	42.09	1669.	767.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44640-a-1-a@5 Acquired: 9/21/2012 23:55:22 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	4621.	195.2	14370.	18.41	13480.	32.73
Stddev	38.	1.7	268.	.52	75.	1.16
%RSD	.8160	.8559	1.863	2.820	.5571	3.548

#1	4595.	193.7	14160.	18.17	13400.	33.75
#2	4603.	194.7	14290.	18.04	13490.	32.97
#3	4664.	197.0	14670.	19.00	13550.	31.47

Check ?	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
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	-2.277	-3.487	10.52	199.2	26.57	.9938
Stddev	1.573	1.466	.43	1.1	.73	.2009
%RSD	69.09	42.03	4.070	.5595	2.755	20.21

#1	-.8855	-1.818	10.15	197.9	26.13	.8124
#2	-1.961	-4.083	10.41	199.5	26.16	.9594
#3	-3.984	-4.561	10.99	200.1	27.41	1.210

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44640-a-1-a@5 Acquired: 9/21/2012 23:55:22 Type: Unk
 Method: SW846_092112 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	5.972	65.14	16.43	3237.
Stddev	.627	1.43	1.87	58.
%RSD	10.49	2.195	11.36	1.778

#1	5.255	63.81	18.03	3205.
#2	6.246	64.94	16.88	3202.
#3	6.415	66.65	14.38	3303.

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	3699.7	36809.	3850.9
Stddev	12.7	225.	17.0
%RSD	.34271	.61004	.44187

#1	3709.8	36869.	3870.5
#2	3703.8	36998.	3842.3
#3	3685.4	36561.	3839.9

Sample Name: 460-44818-a-3-b du@4 Acquired: 9/21/2012 23:59:34 Type: Unk
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3997.	5.198	-.3545	5.129	.1812	69.83
Stddev	20.	1.497	.4836	.188	.0810	17.00
%RSD	.5006	28.79	136.4	3.658	44.70	24.34
#1	4019.	3.887	-.7438	4.947	.2730	79.56
#2	3981.	6.829	.1870	5.322	.1513	79.71
#3	3989.	4.878	-.5066	5.118	.1195	50.20

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1369	-.3298	15.84	.6731	12740.	84.38
Stddev	.1756	.3008	.29	5.730	62.	18.94
%RSD	128.2	91.20	1.825	851.4	.4872	22.45
#1	-.1607	-.1162	15.51	-2.677	12690.	87.92
#2	.0493	-.6739	16.06	7.289	12800.	101.3
#3	-.2994	-.1995	15.94	-2.593	12720.	63.91

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-3-b du@4 Acquired: 9/21/2012 23:59:34 Type: Unk
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	20.84	20.30	58.34	-3761	8.741	-.1720
Stddev	.82	.11	7.98	.0259	2.549	1.081
%RSD	3.926	.5662	13.68	6.884	29.16	628.3
#1	20.89	20.17	63.50	-.4041	11.00	1.040
#2	19.99	20.40	49.14	-.3530	9.242	-.5215
#3	21.63	20.33	62.37	-.3711	5.979	-1.035

Check ?	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
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	-9399	-5.706	25.72	6.364	3.990	4.993
Stddev	4.208	2.183	.16	.100	.662	.051
%RSD	447.7	38.26	.6196	1.571	16.59	1.016
#1	-1.208	-4.504	25.91	6.309	4.641	4.940
#2	-5.007	-4.387	25.62	6.303	3.317	4.999
#3	3.395	-8.225	25.64	6.479	4.013	5.041

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-3-b du@4 Acquired: 9/21/2012 23:59:34 Type: Unk
Method: SW846_092112 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	.9380	.8513	248.4	1190.
Stddev	.3893	.0464	3.2	15.
%RSD	41.50	5.453	1.288	1.252

#1	.6541	.9029	248.2	1204.
#2	1.382	.8384	251.6	1175.
#3	.7782	.8128	245.2	1192.

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	3723.9	37193.	3858.4
Stddev	8.8	132.	6.5
%RSD	.23696	.35556	.16739

#1	3732.6	37067.	3853.3
#2	3715.0	37181.	3856.1
#3	3724.2	37331.	3865.6

Sample Name: 460-44818-a-3-a@4 Acquired: 9/22/2012 0:03:51 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3673.	4.127	.2590	6.500	.1691	49.22
Stddev	4.	2.853	.2840	.137	.1220	8.00
%RSD	.1080	69.12	109.7	2.113	72.13	16.26

#1	3669.	6.324	.1803	6.389	.0767	57.92
#2	3672.	5.154	.5741	6.654	.3074	47.57
#3	3677.	.9034	.0226	6.459	.1234	42.17

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1771	.0275	14.14	-.7870	11660.	114.0
Stddev	.0964	.2045	.31	3.098	100.	29.3
%RSD	54.44	744.0	2.171	393.7	.8597	25.68

#1	-.1834	-.1772	14.18	-4.209	11740.	92.09
#2	-.0777	.2318	14.43	1.829	11700.	102.6
#3	-.2702	.0279	13.82	.0185	11550.	147.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-3-a@4 Acquired: 9/22/2012 0:03:51 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	16.26	21.34	40.52	.4112	7.300	.5350
Stddev	5.35	.31	30.26	.6042	.679	.8941
%RSD	32.90	1.473	74.68	147.0	9.306	167.1

#1	16.22	21.40	60.76	.1651	7.828	1.042
#2	10.93	21.62	55.07	-.0312	6.533	-.4973
#3	21.63	21.00	5.732	1.100	7.537	1.060

Check ?	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
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	-2.020	-2.777	24.07	6.830	3.421	4.742
Stddev	3.167	1.296	.34	.141	.301	.078
%RSD	156.8	46.65	1.418	2.072	8.793	1.653

#1	-.0838	-3.174	24.45	6.867	3.374	4.809
#2	-.3015	-1.330	23.78	6.949	3.743	4.656
#3	-5.674	-3.828	23.99	6.673	3.147	4.760

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-3-a@4 Acquired: 9/22/2012 0:03:51 Type: Unk
Method: SW846_092112 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	1.530	.9101	262.1	1092.
Stddev	.314	.1502	3.7	6.
%RSD	20.53	16.51	1.412	.5782

#1	1.466	1.045	259.6	1100.
#2	1.253	.7484	260.4	1090.
#3	1.872	.9366	266.3	1088.

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	3746.6	37737.	3812.2
Stddev	10.7	267.	33.5
%RSD	.28546	.70812	.87831

#1	3751.0	37797.	3837.5
#2	3734.4	37445.	3774.2
#3	3754.4	37970.	3824.8

Sample Name: sd 460-44818-a-3-a@2 Acquired: 9/22/2012 0:08:08 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	683.5	.9812	.2608	.7835	-.0198	23.53
Stddev	14.9	1.846	.5287	.1308	.0321	4.33
%RSD	2.185	188.2	202.7	16.69	162.0	18.42

#1	674.4	1.632	.7742	.6469	.0152	20.23
#2	700.7	2.414	.2901	.7961	-.0268	28.43
#3	675.3	-1.102	-.2820	.9076	-.0480	21.91

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0230	-.4217	2.592	-4.556	2278.	-91.69
Stddev	.0249	.2650	.119	2.352	13.	18.65
%RSD	108.4	62.85	4.599	51.62	.5486	20.34

#1	-.0513	-.4614	2.723	-1.846	2269.	-97.15
#2	-.0045	-.6646	2.490	-5.763	2272.	-70.92
#3	-.0131	-.1390	2.562	-6.059	2292.	-107.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-44818-a-3-a@2 Acquired: 9/22/2012 0:08:08 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	-1.152	4.139	32.52	-.0875	2.082	-1.674
Stddev	2.723	.106	6.30	.6981	1.040	1.973
%RSD	236.4	2.562	19.38	797.5	49.92	117.9

#1	-3.718	4.074	25.40	.7174	2.957	-3.688
#2	1.705	4.081	34.78	-.4533	.9330	-1.590
#3	-1.443	4.261	37.38	-.5267	2.357	.2554

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	.4109	-2.593	4.799	4.186	.1840	1.083
Stddev	3.115	2.771	.549	.126	.3715	.234
%RSD	758.0	106.9	11.44	3.003	201.9	21.58

#1	-.8406	-.8633	5.339	4.172	.2744	1.334
#2	-1.884	-1.126	4.242	4.318	.5020	1.044
#3	3.957	-5.790	4.815	4.067	-.2243	.8717

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-44818-a-3-a@2 Acquired: 9/22/2012 0:08:08 Type: Unk
Method: SW846_092112 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	.4100	.0630	50.59	218.7
Stddev	.4525	.1455	1.69	4.4
%RSD	110.4	231.0	3.335	2.032

#1	.8406	.0444	48.81	223.8
#2	-.0616	-.0723	50.77	216.5
#3	.4511	.2169	52.17	215.7

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	3744.2	37495.	3823.5
Stddev	7.9	62.	44.6
%RSD	.21016	.16479	1.1666

#1	3738.2	37428.	3870.0
#2	3753.1	37550.	3819.4
#3	3741.4	37507.	3781.0

Sample Name: 460-44818-a-3-c ms@4 Acquired: 9/22/2012 0:12:25 Type: Unk
 Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11800.	1011.	25.26	1104.	26.81	9190.
Stddev	62.	18.	.73	24.	.36	164.
%RSD	.5280	1.801	2.883	2.214	1.329	1.788

#1	11800.	990.4	24.60	1076.	26.82	9007.
#2	11870.	1023.	26.04	1120.	27.16	9237.
#3	11740.	1021.	25.14	1116.	26.44	9325.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.74	271.3	126.0	138.2	14670.	10830.
Stddev	.63	6.1	1.5	3.8	171.	41.
%RSD	2.349	2.261	1.225	2.732	1.168	.3767

#1	26.02	264.2	126.6	138.2	14700.	10830.
#2	27.18	275.4	127.1	142.0	14830.	10880.
#3	27.02	274.1	124.2	134.4	14490.	10790.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-3-c ms@4 Acquired: 9/22/2012 0:12:25 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	10790.	300.1	11400.	276.7	290.2	259.5
Stddev	151.	4.2	46.	7.5	7.2	6.0
%RSD	1.398	1.411	.4012	2.712	2.471	2.330

#1	10820.	301.1	11390.	268.0	282.4	253.0
#2	10920.	303.8	11450.	281.7	296.6	264.9
#3	10620.	295.5	11360.	280.2	291.5	260.7

Check ?	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
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	979.7	1148.	289.4	271.4	263.9	272.7
Stddev	20.1	28.	4.7	6.0	6.7	5.6
%RSD	2.049	2.476	1.618	2.223	2.543	2.046

#1	957.2	1115.	291.1	264.4	256.2	266.2
#2	995.8	1164.	293.0	275.3	268.6	276.1
#3	986.1	1164.	284.1	274.4	267.0	275.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-3-c ms@4 Acquired: 9/22/2012 0:12:25 Type: Unk
 Method: SW846_092112 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	275.3	275.8	521.1	4761.
Stddev	5.8	1.7	4.5	109.
%RSD	2.115	.6189	.8697	2.292

#1	268.6	276.4	522.6	4637.
#2	278.9	277.2	524.7	4841.
#3	278.5	273.9	516.0	4805.

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	3705.6	36585.	3832.9
Stddev	63.5	339.	21.3
%RSD	1.7129	.92565	.55685

#1	3778.9	36315.	3818.7
#2	3667.3	36475.	3822.6
#3	3670.7	36965.	3857.5

Sample Name: lcssrm 460-128689/2- Acquired: 9/22/2012 0:16:27 Type: QC

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28600.	833.4	212.1	1037.	546.7	29520.
Stddev	515.	4.9	1.4	10.	9.9	534.
%RSD	1.801	.5936	.6792	.9277	1.808	1.807

#1	28720.	839.1	212.3	1048.	549.6	30050.
#2	29040.	829.7	213.4	1031.	554.8	29510.
#3	28030.	831.5	210.5	1033.	535.7	28990.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	510.6	673.0	584.0	583.9	59620.	13520.
Stddev	3.4	3.5	4.2	12.1	498.	227.
%RSD	.6601	.5244	.7188	2.078	.8351	1.680

#1	514.5	677.0	587.1	582.4	60060.	13610.
#2	508.4	670.2	585.5	596.7	59720.	13690.
#3	509.0	671.9	579.2	572.5	59080.	13270.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-128689/2- Acquired: 9/22/2012 0:16:27 Type: QC

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	11940.	1802.	1694.	361.3	401.6	1103.
Stddev	63.	16.	29.	2.8	3.2	7.
%RSD	.5248	.8693	1.684	.7727	.8025	.6388

#1	12000.	1814.	1702.	364.5	405.0	1110.
#2	11950.	1807.	1717.	359.3	398.6	1096.
#3	11880.	1784.	1662.	360.0	401.3	1103.

Check ?	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
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	608.7	1132.	429.0	1358.	419.9	333.4
Stddev	5.8	9.	4.3	8.	2.9	2.4
%RSD	.9457	.8052	1.008	.5696	.6878	.7193

#1	615.3	1142.	431.0	1366.	422.2	336.2
#2	605.3	1126.	432.0	1352.	416.7	331.8
#3	605.4	1127.	424.0	1355.	420.9	332.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-128689/2- Acquired: 9/22/2012 0:16:27 Type: QC
Method: SW846_092112 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	759.0	655.7	881.4	2653.
Stddev	5.3	11.3	15.5	43.
%RSD	.6993	1.719	1.762	1.623

#1	765.1	657.4	885.4	2690.
#2	756.0	666.0	894.5	2606.
#3	755.9	643.6	864.3	2662.

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	3800.5	37514.	3961.8
Stddev	19.7	134.	61.6
%RSD	.51803	.35704	1.5554

#1	3778.2	37361.	3951.4
#2	3807.7	37610.	3906.1
#3	3815.5	37571.	4028.0

Sample Name: CCV Acquired: 9/22/2012 0:20:29 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127500.	2569.	1267.	10240.	1010.	116400.
Stddev	1481.	20.	4.	72.	10.	800.
%RSD	1.162	.7597	.3548	.7051	1.017	.6866

#1	128400.	2569.	1262.	10250.	1017.	116300.
#2	128400.	2549.	1269.	10170.	1014.	115700.
#3	125800.	2588.	1270.	10310.	997.9	117300.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1289.	2573.	5108.	12720.	102300.	52690.
Stddev	9.	17.	22.	134.	534.	505.
%RSD	.7270	.6622	.4213	1.050	.5215	.9577

#1	1290.	2575.	5085.	12800.	101700.	52870.
#2	1279.	2555.	5112.	12800.	102600.	53090.
#3	1297.	2589.	5128.	12570.	102700.	52120.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/22/2012 0:20:29 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	128700.	5232.	133800.	2605.	7854.	1028.
Stddev	489.	24.	1186.	19.	57.	12.
%RSD	.3797	.4531	.8861	.7223	.7242	1.124

#1	128200.	5205.	134300.	2608.	7864.	1031.
#2	128800.	5245.	134800.	2585.	7792.	1015.
#3	129100.	5247.	132500.	2622.	7905.	1037.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2545.	2607.	2541.	2554.	1021.	2576.
Stddev	22.	19.	11.	18.	9.	19.
%RSD	.8781	.7339	.4370	.7234	.8775	.7284

#1	2546.	2607.	2528.	2555.	1019.	2574.
#2	2523.	2588.	2546.	2535.	1013.	2558.
#3	2568.	2626.	2549.	2572.	1030.	2595.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/22/2012 0:20:29 Type: QC
Method: SW846_092112 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	1037.	5306.	10270.	9414.
Stddev	7.	53.	106.	167.
%RSD	.7230	.9914	1.029	1.771

#1	1036.	5338.	10350.	9387.
#2	1030.	5335.	10310.	9263.
#3	1045.	5246.	10150.	9593.

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	3412.1	33472.	3697.7
Stddev	19.4	114.	73.6
%RSD	.56781	.34016	1.9902

#1	3419.2	33566.	3664.9
#2	3426.9	33505.	3646.3
#3	3390.2	33346.	3782.0

Sample Name: CCB Acquired: 9/22/2012 0:24:24 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-36.70	1.397	-.0138	.4615	.1982	9.673
Stddev	26.69	1.127	.4962	.5324	.1106	6.957
%RSD	72.70	80.68	3589.	115.4	55.79	71.92

#1	-26.84	2.697	.3979	1.062	.2786	2.578
#2	-16.36	.7001	-.5647	.2767	.2440	9.960
#3	-66.92	.7937	.1253	.0461	.0721	16.48

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0521	-.1227	.3030	2.716	19.50	-20.51
Stddev	.0091	.1588	.8264	3.712	8.36	71.45
%RSD	17.48	129.4	272.8	136.7	42.86	348.4

#1	-.0493	-.2972	1.207	2.455	19.89	-.5390
#2	-.0448	-.0841	.1145	6.551	10.96	38.84
#3	-.0623	.0132	-.4130	-.8589	27.66	-99.82

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/22/2012 0:24:24 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	.3671	83.27	.3399	.2924	-.4279
Stddev	7.469	.2691	27.35	.1563	1.534	1.687
%RSD	97.62	73.32	32.84	45.96	524.8	394.3

#1	12.55	.5734	114.7	.4198	-1.386	-1.935
#2	11.35	.4652	64.75	.4401	1.623	-.7435
#3	-.9448	.0626	70.40	.1599	.6403	1.395

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	.6863	-3.157	.0812	.3629	2.933	1.343
Stddev	3.500	.239	.5726	.0808	.967	.196
%RSD	510.0	7.572	705.0	22.27	32.97	14.57

#1	2.610	-3.290	.2760	.2773	3.773	1.450
#2	2.803	-2.881	.5310	.4378	3.150	1.461
#3	-3.353	-3.300	-.5633	.3736	1.876	1.117

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/22/2012 0:24:24 Type: QC
Method: SW846_092112 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	.6531	.4937	.5033	8.132
Stddev	.5604	.5706	1.835	5.887
%RSD	85.81	115.6	364.5	72.39

#1	1.092	1.138	1.160	2.272
#2	.0217	.2923	-1.569	8.080
#3	.8459	.0510	1.919	14.05

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	3683.6	36943.	3772.8
Stddev	19.6	111.	20.5
%RSD	.53334	.30154	.54452

#1	3703.0	36947.	3790.0
#2	3663.7	36830.	3778.3
#3	3684.1	37053.	3750.1

Sample Name: mb 460-128689/1-a@2 Acquired: 9/22/2012 0:28:44 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.74	.4151	-.1968	-.0273	.0609	91.71
Stddev	3.64	.6959	.4922	.3124	.1158	4.37
%RSD	15.32	167.6	250.2	1146.	190.3	4.770

#1	24.63	-.0551	-.6569	-.2487	-.0726	95.67
#2	26.86	1.215	.3223	-.1631	.1209	87.01
#3	19.75	.0859	-.2557	.3301	.1343	92.45

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1366	-.1332	.2665	-4.062	-1.343	-108.3
Stddev	.1010	.1241	.3796	3.298	6.654	32.9
%RSD	73.91	93.14	142.4	81.19	495.6	30.38

#1	-.0438	.0021	.3380	-3.711	-4.275	-140.0
#2	-.1220	-.1601	-.1437	-.9530	6.274	-110.7
#3	-.2441	-.2417	.6053	-7.520	-6.027	-74.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-128689/1-a@2 Acquired: 9/22/2012 0:28:44 Type: QC

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	-2.083	.0511	50.27	.2341	.4614	.8186
Stddev	2.602	.0803	4.12	.4035	1.399	2.294
%RSD	124.9	157.3	8.204	172.4	303.2	280.3

#1	-3.778	-.0007	54.93	.6176	-1.152	1.462
#2	-3.385	.0103	48.75	.2716	1.191	2.722
#3	.9122	.1436	47.11	-.1868	1.345	-1.729

Check ?	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
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	-.8226	-2.763	.2440	3.228	8.561	.5648
Stddev	2.384	2.347	.3689	.074	.231	.3946
%RSD	289.7	84.92	151.2	2.293	2.704	69.87

#1	1.060	-.3899	.0805	3.263	8.351	1.012
#2	-.0251	-2.818	.6663	3.278	8.522	.4175
#3	-3.503	-5.082	-.0150	3.143	8.809	.2650

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-128689/1-a@2 Acquired: 9/22/2012 0:28:44 Type: QC
Method: SW846_092112 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	.1810	.8491	.8368	14.33
Stddev	.2134	.3427	1.721	2.39
%RSD	117.9	40.36	205.7	16.68

#1	.1322	1.241	1.641	14.76
#2	.4146	.6028	2.009	16.48
#3	-.0039	.7041	-1.139	11.75

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	3658.3	37456.	3654.4
Stddev	69.0	73.	270.1
%RSD	1.8873	.19548	7.3907

#1	3585.8	37525.	3348.3
#2	3665.9	37463.	3858.9
#3	3723.3	37380.	3756.2

Sample Name: pds 460-44818-a-3-a@ Acquired: 9/22/2012 0:33:03 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5620.	1927.	46.15	2021.	48.67	17350.
Stddev	79.	14.	.79	15.	.77	72.
%RSD	1.414	.7022	1.718	.7288	1.574	.4177

#1	5661.	1912.	45.97	2007.	48.97	17370.
#2	5528.	1932.	45.47	2021.	47.80	17270.
#3	5670.	1938.	47.02	2036.	49.25	17410.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.85	499.8	208.8	243.0	12510.	20390.
Stddev	.46	3.1	2.4	7.4	167.	230.
%RSD	.9248	.6119	1.163	3.042	1.332	1.125

#1	49.32	496.5	209.8	240.8	12600.	20430.
#2	50.15	500.2	206.0	237.0	12310.	20150.
#3	50.09	502.6	210.6	251.3	12600.	20600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-44818-a-3-a@ Acquired: 9/22/2012 0:33:03 Type: Unk
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	19970.	524.9	21310.	511.7	522.4	476.0
Stddev	306.	7.1	289.	3.4	5.6	2.3
%RSD	1.533	1.353	1.358	.6680	1.066	.4870

#1	20130.	529.3	21410.	507.8	517.7	474.0
#2	19610.	516.7	20990.	513.5	520.9	475.5
#3	20150.	528.7	21540.	513.8	528.5	478.6

Check ?	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
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	1888.	2140.	504.4	497.8	491.4	488.7
Stddev	14.	12.	5.8	3.2	4.1	4.2
%RSD	.7446	.5489	1.146	.6501	.8256	.8643

#1	1876.	2130.	508.1	494.4	486.9	484.4
#2	1885.	2138.	497.8	498.3	492.6	489.0
#3	1903.	2153.	507.5	500.8	494.7	492.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-44818-a-3-a@ Acquired: 9/22/2012 0:33:03 Type: Unk
Method: SW846_092112 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	504.5	495.5	749.9	1165.
Stddev	3.8	5.9	8.1	3.
%RSD	.7549	1.200	1.079	.2633

#1	500.4	496.9	753.7	1162.
#2	505.1	489.0	740.6	1164.
#3	507.9	500.7	755.4	1168.

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	3633.1	36225.	3821.7
Stddev	21.6	431.	50.0
%RSD	.59508	1.1896	1.3076

#1	3653.0	35990.	3781.3
#2	3636.2	36722.	3877.6
#3	3610.1	35963.	3806.3

Sample Name: 460-44818-a-4-a@4 Acquired: 9/22/2012 0:37:02 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5235.	6.367	-.2997	6.819	.2967	49.53
Stddev	6.	.693	.5614	.239	.1161	10.43
%RSD	.1175	10.89	187.3	3.501	39.15	21.06

#1	5239.	5.752	.3424	7.045	.1812	52.56
#2	5238.	7.118	-.5438	6.569	.4135	37.92
#3	5228.	6.231	-.6976	6.843	.2952	58.11

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1766	-.0321	17.25	-.8380	15310.	187.0
Stddev	.1184	.1349	.18	2.915	49.	65.9
%RSD	67.07	420.4	1.024	347.9	.3177	35.24

#1	-.1460	-.0147	17.45	-.6724	15340.	258.5
#2	-.3073	-.1748	17.20	-3.832	15350.	173.9
#3	-.0764	.0933	17.11	1.991	15260.	128.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-4-a@4 Acquired: 9/22/2012 0:37:02 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	26.31	24.18	35.58	.4411	10.18	2.507
Stddev	3.63	.16	12.78	.4262	1.41	2.837
%RSD	13.81	.6814	35.93	96.63	13.84	113.2

#1	26.68	24.36	45.69	-.0278	10.05	5.050
#2	29.74	24.15	21.21	.5460	11.65	3.022
#3	22.50	24.03	39.83	.8051	8.841	-.5520

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	-3.133	-3.054	28.98	11.12	4.162	9.174
Stddev	1.603	1.660	.66	.08	.850	.209
%RSD	51.16	54.33	2.273	.6804	20.41	2.274

#1	-1.299	-1.152	29.74	11.15	4.919	9.342
#2	-4.265	-4.205	28.64	11.04	3.243	9.240
#3	-3.836	-3.806	28.57	11.18	4.323	8.940

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-4-a@4 Acquired: 9/22/2012 0:37:02 Type: Unk
Method: SW846_092112 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	1.154	.8945	276.6	1083.
Stddev	.342	.1049	1.6	8.
%RSD	29.67	11.73	.5961	.7245

#1	.9163	.8503	277.1	1083.
#2	1.546	1.014	277.8	1075.
#3	.9984	.8190	274.7	1091.

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	3712.7	37528.	3833.5
Stddev	15.3	109.	18.3
%RSD	.41189	.29149	.47843

#1	3709.8	37407.	3831.3
#2	3729.2	37558.	3852.9
#3	3699.1	37620.	3816.4

Sample Name: 460-44818-a-5-a@4 Acquired: 9/22/2012 0:41:19 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7655.	6.046	-.4400	6.999	.2823	77.87
Stddev	102.	.455	.8243	.135	.0925	20.95
%RSD	1.336	7.530	187.4	1.935	32.78	26.91

#1	7538.	5.859	.1740	6.883	.3754	101.7
#2	7698.	6.565	-.1170	7.148	.2810	62.44
#3	7728.	5.713	-1.377	6.967	.1904	69.44

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1596	-.2027	12.86	3.634	16370.	251.1
Stddev	.0973	.2234	.57	.723	122.	19.7
%RSD	60.97	110.2	4.448	19.90	.7453	7.858

#1	-.1172	-.2868	13.45	3.164	16230.	229.4
#2	-.2709	.0505	12.81	3.271	16450.	255.7
#3	-.0906	-.3720	12.31	4.466	16430.	268.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-5-a@4 Acquired: 9/22/2012 0:41:19 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	35.10	33.56	48.21	1.113	12.43	1.996
Stddev	2.23	.04	17.28	.063	1.44	.609
%RSD	6.361	.1176	35.85	5.692	11.57	30.52

#1	36.75	33.52	67.76	1.146	13.77	1.980
#2	32.56	33.55	41.89	1.040	10.91	1.395
#3	35.99	33.60	34.98	1.153	12.62	2.613

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	-6.193	-3.593	30.57	12.10	5.600	5.916
Stddev	2.626	.917	.28	.30	.546	.223
%RSD	424.0	25.53	.9031	2.490	9.753	3.766

#1	1.227	-2.828	30.29	11.92	5.573	5.904
#2	.5406	-3.340	30.84	11.94	5.068	6.144
#3	-3.625	-4.610	30.60	12.45	6.159	5.699

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-5-a@4 Acquired: 9/22/2012 0:41:19 Type: Unk
 Method: SW846_092112 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	1.161	1.223	325.1	1253.
Stddev	.410	.027	4.7	5.
%RSD	35.30	2.176	1.438	.3599

#1	1.490	1.207	320.1	1258.
#2	.7017	1.208	325.9	1249.
#3	1.291	1.254	329.3	1251.

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	3715.6	37583.	3852.5
Stddev	18.9	125.	34.1
%RSD	.51001	.33305	.88384

#1	3733.6	37673.	3885.3
#2	3717.4	37636.	3854.7
#3	3695.9	37440.	3817.3

Sample Name: 460-44818-a-6-a@4 Acquired: 9/22/2012 0:45:36 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4980.	3.756	-.2675	5.234	.2137	60.52
Stddev	45.	2.194	.3816	.105	.0872	16.04
%RSD	.9069	58.41	142.7	2.001	40.79	26.50

#1	4967.	1.336	.0337	5.347	.1253	59.70
#2	4943.	5.614	-.6967	5.213	.2996	76.95
#3	5030.	4.319	-.1394	5.141	.2162	44.90

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1052	-.2699	12.41	-7.546	12330.	103.5
Stddev	.1172	.1489	.64	1.987	93.	23.9
%RSD	111.4	55.18	5.149	26.33	.7538	23.12

#1	-.1447	-.3850	12.45	-7.721	12250.	81.05
#2	.0266	-.1017	11.76	-5.477	12300.	100.7
#3	-.1976	-.3229	13.03	-9.439	12430.	128.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-6-a@4 Acquired: 9/22/2012 0:45:36 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	12.06	21.14	29.93	.0885	7.478	.5282
Stddev	2.15	.32	9.29	.8898	.450	.6436
%RSD	17.80	1.513	31.05	1005.	6.019	121.9

#1	14.22	20.89	40.57	1.042	7.021	.4856
#2	9.927	21.03	23.40	-.7189	7.491	-.0931
#3	12.03	21.50	25.82	-.0580	7.921	1.192

Check ?	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
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	.0896	-1.431	22.70	9.268	3.771	4.218
Stddev	2.103	.618	.47	.045	.331	.126
%RSD	2348.	43.17	2.082	.4833	8.779	2.989

#1	-2.211	-.8187	22.22	9.319	4.074	4.352
#2	.5662	-1.420	22.69	9.246	3.822	4.202
#3	1.913	-2.054	23.17	9.238	3.417	4.101

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-6-a@4 Acquired: 9/22/2012 0:45:36 Type: Unk
 Method: SW846_092112 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	.2813	.7277	261.9	956.5
Stddev	.1734	.1787	3.7	5.8
%RSD	61.65	24.55	1.397	.6050

#1	.1637	.5216	261.8	961.4
#2	.1997	.8396	258.3	950.1
#3	.4805	.8218	265.6	958.0

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	3789.4	38051.	3912.1
Stddev	10.6	345.	11.2
%RSD	.28060	.90755	.28674

#1	3801.5	38210.	3913.7
#2	3781.7	38288.	3922.4
#3	3785.1	37655.	3900.1

Sample Name: 460-44818-a-7-a@4 Acquired: 9/22/2012 0:49:53 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6822.	5.555	-.2402	6.120	.2138	80.90
Stddev	42.	1.242	.7111	.196	.0450	27.64
%RSD	.6227	22.37	296.1	3.200	21.07	34.16

#1	6866.	4.980	-1.061	6.106	.1700	49.27
#2	6820.	6.981	.1825	6.323	.2113	100.4
#3	6781.	4.704	.1582	5.932	.2600	93.01

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1225	-.2230	14.71	-.4479	14150.	216.8
Stddev	.1572	.1381	.42	2.014	99.	31.1
%RSD	128.3	61.92	2.863	449.7	.7028	14.35

#1	-.2802	-.1665	14.64	1.876	14040.	249.7
#2	-.1214	-.3803	14.32	-1.681	14230.	187.9
#3	.0341	-.1221	15.16	-1.539	14170.	212.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-7-a@4 Acquired: 9/22/2012 0:49:53 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	27.43	23.58	29.71	.1996	6.508	-1.334
Stddev	3.42	.22	4.66	.5406	.932	1.182
%RSD	12.46	.9405	15.68	270.8	14.32	88.61

#1	26.89	23.38	26.36	-.2555	7.344	-2.678
#2	24.32	23.82	27.73	.0572	5.503	-.8660
#3	31.09	23.53	35.03	.7972	6.679	-.4575

Check ?	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
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	-2.421	-3.159	22.65	9.998	3.954	6.939
Stddev	1.544	1.144	.29	.112	.582	.230
%RSD	63.74	36.21	1.301	1.118	14.72	3.319

#1	-3.506	-1.847	22.45	9.870	3.675	6.844
#2	-3.104	-3.941	22.99	10.07	4.623	7.201
#3	-.6542	-3.690	22.52	10.05	3.564	6.771

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-7-a@4 Acquired: 9/22/2012 0:49:53 Type: Unk
Method: SW846_092112 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	1.821	1.007	236.2	1028.
Stddev	.193	.142	4.2	41.
%RSD	10.58	14.14	1.762	3.983

#1	2.035	1.043	238.2	1029.
#2	1.662	1.129	239.1	1069.
#3	1.765	.8506	231.5	986.6

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	3780.1	37949.	3900.2
Stddev	8.3	280.	31.9
%RSD	.21842	.73907	.81837

#1	3788.7	38226.	3866.1
#2	3779.3	37665.	3904.9
#3	3772.2	37956.	3929.4

Sample Name: 460-44818-a-8-a@4 Acquired: 9/22/2012 0:54:10 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6618.	6.138	-.6896	7.258	.1163	83.57
Stddev	120.	.876	.4890	.091	.1076	13.32
%RSD	1.813	14.28	70.90	1.250	92.56	15.94

#1	6756.	5.266	-.2576	7.253	.0785	88.03
#2	6539.	7.019	-1.220	7.351	.2377	68.60
#3	6559.	6.129	-.5907	7.169	.0326	94.09

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0656	.0026	16.30	1.193	15610.	150.9
Stddev	.0780	.1658	.40	2.748	129.	20.5
%RSD	118.8	6347.	2.433	230.3	.8271	13.61

#1	.0243	-.1162	16.68	4.070	15600.	153.2
#2	-.1075	-.0681	16.34	-1.405	15740.	129.4
#3	-.1137	.1921	15.89	.9149	15480.	170.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-8-a@4 Acquired: 9/22/2012 0:54:10 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	28.49	27.93	34.84	.2539	7.956	-.4768
Stddev	5.43	.33	5.53	.7176	2.209	1.419
%RSD	19.07	1.165	15.88	282.6	27.77	297.6

#1	32.57	27.94	39.96	.1730	8.676	-.1818
#2	30.58	28.25	35.60	-.4198	9.717	-2.020
#3	22.32	27.60	28.97	1.009	5.477	.7716

Check ?	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
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	-.9015	-1.934	25.94	11.49	5.485	6.621
Stddev	1.523	2.082	.72	.21	.352	.145
%RSD	168.9	107.7	2.778	1.792	6.412	2.194

#1	.1533	-.6422	26.12	11.59	5.091	6.613
#2	-2.647	-4.336	26.55	11.64	5.597	6.480
#3	-.2109	-.8234	25.15	11.26	5.767	6.770

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-8-a@4 Acquired: 9/22/2012 0:54:10 Type: Unk
 Method: SW846_092112 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	1.237	1.149	286.4	1132.
Stddev	.505	.117	4.6	18.
%RSD	40.80	10.23	1.621	1.630

#1	1.496	1.282	291.7	1117.
#2	1.561	1.103	283.1	1127.
#3	.6557	1.061	284.5	1152.

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	3718.2	37432.	3832.6
Stddev	23.0	65.	98.4
%RSD	.61928	.17369	2.5663

#1	3714.7	37382.	3720.9
#2	3697.1	37409.	3906.2
#3	3742.8	37506.	3870.8

Sample Name: 460-44818-a-9-a@4 Acquired: 9/22/2012 0:58:26 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4910.	4.160	-8725	4.724	.2543	67.47
Stddev	53.	.944	.2184	.078	.0861	9.36
%RSD	1.073	22.68	25.04	1.650	33.83	13.87

#1	4965.	4.980	-1.121	4.803	.2191	62.02
#2	4859.	3.129	-.7831	4.648	.3524	62.11
#3	4906.	4.371	-.7129	4.722	.1915	78.27

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.1352	-.2677	12.01	-3.549	10640.	56.95
Stddev	.0624	.2570	.85	2.484	54.	25.80
%RSD	46.12	95.99	7.079	69.99	.5106	45.30

#1	-.0821	-.2920	12.67	-1.706	10690.	46.39
#2	-.1197	.0005	12.31	-2.567	10590.	86.35
#3	-.2039	-.5117	11.05	-6.373	10630.	38.11

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-9-a@4 Acquired: 9/22/2012 0:58:26 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	14.45	24.40	31.85	.7784	7.421	1.550
Stddev	6.31	.05	15.16	.2817	.564	4.458
%RSD	43.65	.2005	47.59	36.19	7.603	287.6

#1	14.55	24.44	15.31	.8551	7.838	2.697
#2	20.71	24.34	45.07	.4663	6.779	-3.369
#3	8.099	24.41	35.18	1.014	7.646	5.323

Check ?	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
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	-1.500	-2.292	20.27	6.688	2.860	4.150
Stddev	2.021	1.513	.18	.112	.037	.267
%RSD	134.7	65.99	.8707	1.680	1.299	6.428

#1	-3.803	-.5676	20.26	6.788	2.841	4.097
#2	-.6718	-3.394	20.09	6.709	2.836	4.440
#3	-.0252	-2.916	20.45	6.566	2.903	3.914

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-9-a@4 Acquired: 9/22/2012 0:58:26 Type: Unk
 Method: SW846_092112 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	.7740	.7084	247.7	889.9
Stddev	.1846	.0215	3.3	9.6
%RSD	23.85	3.037	1.328	1.080

#1	.7866	.7098	250.8	883.0
#2	.5834	.6862	247.9	900.9
#3	.9519	.7292	244.3	885.7

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	3850.9	38390.	3972.7
Stddev	9.6	190.	52.9
%RSD	.24993	.49462	1.3323

#1	3860.9	38609.	3914.9
#2	3841.7	38277.	4018.8
#3	3850.1	38283.	3984.4

Sample Name: 460-44818-a-10-a@4 Acquired: 9/22/2012 1:02:43 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6905.	6.217	-.4998	7.113	.3357	55.23
Stddev	87.	1.191	.6715	.095	.1498	15.08
%RSD	1.262	19.16	134.3	1.331	44.61	27.30

#1	6835.	5.030	-1.223	7.111	.2157	72.33
#2	6877.	6.210	-.3801	7.208	.5035	49.52
#3	7003.	7.412	.1037	7.019	.2879	43.84

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1244	-.0669	14.49	-.5938	14430.	212.5
Stddev	.0546	.2498	.47	4.351	132.	25.7
%RSD	43.88	373.1	3.214	732.7	.9118	12.08

#1	-.0662	.2214	14.39	-4.539	14280.	195.1
#2	-.1744	-.2163	15.00	-1.315	14480.	200.4
#3	-.1325	-.2059	14.08	4.072	14530.	241.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-10-a@4 Acquired: 9/22/2012 1:02:43 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	27.84	33.65	40.70	.6535	9.166	.4718
Stddev	3.69	.28	7.74	.7085	1.504	2.443
%RSD	13.25	.8349	19.01	108.4	16.41	517.9

#1	25.52	33.33	39.04	.5216	8.615	-.9007
#2	32.09	33.80	33.93	1.419	8.016	-.9764
#3	25.90	33.83	49.13	.0202	10.87	3.292

Check ?	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
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	-1.917	-2.500	27.11	11.40	3.419	6.525
Stddev	1.077	1.694	.44	.06	.234	.105
%RSD	56.19	67.79	1.635	.5219	6.836	1.615

#1	-.6772	-3.609	26.95	11.33	3.664	6.626
#2	-2.622	-3.341	27.61	11.44	3.392	6.416
#3	-2.452	-.5492	26.76	11.43	3.199	6.534

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-10-a@4 Acquired: 9/22/2012 1:02:43 Type: Unk
 Method: SW846_092112 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	1.081	1.060	343.5	1116.
Stddev	.266	.105	4.6	43.
%RSD	24.60	9.869	1.338	3.841

#1	.9375	1.067	339.7	1069.
#2	.9181	.9519	342.2	1153.
#3	1.388	1.161	348.6	1125.

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	3781.1	38184.	3920.6
Stddev	20.5	73.	18.4
%RSD	.54241	.19092	.46872

#1	3804.6	38210.	3920.6
#2	3766.7	38240.	3939.0
#3	3772.1	38102.	3902.3

Sample Name: CCV Acquired: 9/22/2012 1:11:18 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	129300.	2557.	1248.	10190.	1019.	116100.
Stddev	1658.	14.	19.	44.	14.	1057.
%RSD	1.282	.5328	1.542	.4307	1.385	.9098

#1	130900.	2571.	1270.	10240.	1032.	117100.
#2	129400.	2556.	1242.	10170.	1021.	116200.
#3	127600.	2544.	1233.	10160.	1004.	115000.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1279.	2576.	5071.	12790.	101500.	52760.
Stddev	5.	9.	68.	189.	1544.	597.
%RSD	.4125	.3342	1.338	1.480	1.522	1.132

#1	1285.	2586.	5146.	12970.	103200.	53340.
#2	1275.	2572.	5053.	12830.	101000.	52810.
#3	1276.	2571.	5013.	12590.	100200.	52150.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/22/2012 1:11:18 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	127600.	5173.	135100.	2608.	7807.	1027.
Stddev	1865.	80.	1664.	10.	37.	3.
%RSD	1.461	1.549	1.232	.3935	.4683	.3360

#1	129700.	5262.	136700.	2619.	7850.	1028.
#2	127100.	5150.	135300.	2602.	7787.	1023.
#3	126100.	5107.	133400.	2601.	7786.	1030.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2518.	2603.	2507.	2553.	1018.	2562.
Stddev	16.	17.	41.	12.	4.	8.
%RSD	.6520	.6592	1.646	.4553	.3989	.3195

#1	2535.	2622.	2553.	2566.	1022.	2571.
#2	2503.	2598.	2495.	2547.	1017.	2558.
#3	2515.	2588.	2474.	2545.	1015.	2557.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/22/2012 1:11:18 Type: QC
Method: SW846_092112 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	1030.	5323.	10350.	9483.
Stddev	5.	75.	146.	92.
%RSD	.4702	1.416	1.409	.9669

#1	1035.	5396.	10490.	9386.
#2	1028.	5328.	10370.	9568.
#3	1026.	5245.	10200.	9496.

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	3368.5	33363.	3652.3
Stddev	9.7	182.	49.5
%RSD	.28709	.54405	1.3554

#1	3377.3	33217.	3595.3
#2	3358.2	33306.	3677.0
#3	3370.0	33566.	3684.6

Sample Name: CCB Acquired: 9/22/2012 1:15:13 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-55.97	1.831	-.3373	-.1946	.2154	8.012
Stddev	28.98	1.053	.0717	.3139	.2509	28.72
%RSD	51.78	57.53	21.27	161.3	116.5	358.5

#1	-36.11	2.750	-.3091	.1485	.4776	39.81
#2	-89.23	.6817	-.2838	-.4674	-.0224	.2515
#3	-42.58	2.061	-.4188	-.2650	.1909	-16.03

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0221	-.2719	.1424	-2.174	-6.094	30.28
Stddev	.1587	.0712	.4221	3.791	11.08	53.63
%RSD	718.1	26.17	296.5	174.4	181.9	177.1

#1	-.1143	-.3516	.4295	.5884	5.725	22.28
#2	.1612	-.2491	.3399	-6.497	-7.748	87.46
#3	-.1132	-.2148	-.3423	-.6140	-16.26	-18.90

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/22/2012 1:15:13 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-3.598	.0941	54.05	.1248	1.200	1.352
Stddev	4.601	.1530	35.02	.7027	.195	1.410
%RSD	127.9	162.6	64.79	563.2	16.29	104.3
#1	1.713	.2652	94.28	.4992	1.423	-.0765
#2	-6.152	.0470	30.39	-.6859	1.061	1.389
#3	-6.355	-.0298	37.48	.5610	1.116	2.743

Check ?	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
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	-1.437	.1167	.6018	.3271	1.947	.7427
Stddev	2.404	.9843	.4642	.1502	.520	.7072
%RSD	167.3	843.3	77.13	45.90	26.72	95.22
#1	-2.435	.1761	1.138	.4360	2.525	1.533
#2	-3.181	1.070	.3417	.3895	1.800	.1704
#3	1.305	-.8959	.3261	.1558	1.517	.5244

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/22/2012 1:15:13 Type: QC
Method: SW846_092112 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	.3717	.2682	1.106	-17.63
Stddev	.6066	.3559	.901	10.00
%RSD	163.2	132.7	81.55	56.71

#1	1.002	.6562	.1474	-28.05
#2	-.2081	.1917	1.232	-8.121
#3	.3212	-.0432	1.937	-16.71

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	3629.5	36574.	3783.6
Stddev	10.8	364.	18.7
%RSD	.29710	.99552	.49373

#1	3626.8	36993.	3788.1
#2	3641.4	36334.	3763.0
#3	3620.4	36395.	3799.5

Sample Name: 460-44818-a-12-a@4 Acquired: 9/22/2012 1:19:33 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6019.	5.558	3.052	6.217	.2579	66.69
Stddev	201.	2.219	.552	.143	.0134	4.24
%RSD	3.345	39.93	18.08	2.297	5.188	6.352

#1	5813.	5.948	3.586	6.125	.2688	63.90
#2	6215.	3.169	3.084	6.144	.2620	64.60
#3	6027.	7.557	2.485	6.381	.2430	71.56

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3738	-.0587	15.45	-1.451	9825.	173.5
Stddev	.1183	.1705	.44	7.991	83.	20.7
%RSD	31.65	290.3	2.869	550.6	.8429	11.94

#1	-.5068	.1363	15.01	-7.627	9730.	183.7
#2	-.2803	-.1795	15.89	-4.301	9866.	149.6
#3	-.3344	-.1330	15.44	7.574	9880.	187.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-12-a@4 Acquired: 9/22/2012 1:19:33 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	26.88	23.66	56.88	.1927	9.103	-1.040
Stddev	2.37	.23	6.41	.6346	.758	4.237
%RSD	8.833	.9603	11.27	329.2	8.326	407.3

#1	25.82	23.40	64.01	.6065	9.938	-1.149
#2	29.60	23.84	51.59	-.5379	8.913	-5.221
#3	25.22	23.74	55.05	.5096	8.459	3.250

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	-2.581	-3.497	36.16	6.796	4.472	6.097
Stddev	2.517	3.088	.94	.117	1.007	.200
%RSD	97.53	88.31	2.591	1.715	22.51	3.272

#1	.0787	-.1769	35.16	6.859	5.612	6.159
#2	-4.926	-6.284	37.02	6.662	3.706	6.259
#3	-2.895	-4.030	36.31	6.868	4.098	5.874

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-12-a@4 Acquired: 9/22/2012 1:19:33 Type: Unk
 Method: SW846_092112 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	3.641	1.014	1028.	1014.
Stddev	.353	.014	33.	7.
%RSD	9.688	1.399	3.178	.6523

#1	3.317	1.002	995.2	1008.
#2	3.590	1.029	1061.	1021.
#3	4.017	1.011	1027.	1014.

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	3735.7	37757.	3915.9
Stddev	43.4	167.	97.4
%RSD	1.1618	.44274	2.4874

#1	3690.9	37732.	4006.8
#2	3777.5	37935.	3813.1
#3	3738.8	37604.	3927.9

Sample Name: 460-44818-a-13-a@4 Acquired: 9/22/2012 1:23:50 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6658.	5.146	-.0900	6.359	.4218	81.54
Stddev	112.	2.936	1.144	.243	.0824	19.22
%RSD	1.682	57.07	1270.	3.820	19.53	23.57

#1	6564.	8.237	-1.346	6.146	.3997	84.32
#2	6782.	2.393	.8907	6.623	.3527	99.22
#3	6628.	4.807	.1854	6.307	.5130	61.08

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2135	-.0318	17.12	-1.672	13210.	213.0
Stddev	.2163	.1696	.60	3.913	157.	8.5
%RSD	101.3	533.0	3.481	234.1	1.191	4.011

#1	-.4486	.0723	16.80	-1.456	13370.	222.7
#2	-.0229	.0598	17.80	2.129	13060.	209.6
#3	-.1689	-.2275	16.75	-5.688	13200.	206.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-13-a@4 Acquired: 9/22/2012 1:23:50 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	21.32	20.47	35.29	.9020	7.776	3.309
Stddev	1.19	.27	24.86	.1164	.600	2.552
%RSD	5.558	1.314	70.45	12.91	7.722	77.12

#1	22.38	20.77	32.99	.9248	7.752	4.996
#2	20.04	20.24	11.66	1.005	7.187	.3734
#3	21.55	20.41	61.22	.7758	8.387	4.558

Check ?	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
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	-1.088	.6759	24.65	17.72	5.030	6.353
Stddev	1.564	4.407	.27	.26	.257	.332
%RSD	143.6	652.1	1.086	1.469	5.114	5.220

#1	.7143	3.060	24.88	17.98	5.324	6.615
#2	-1.905	3.378	24.36	17.72	4.844	5.980
#3	-2.075	-4.410	24.71	17.46	4.922	6.465

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-13-a@4 Acquired: 9/22/2012 1:23:50 Type: Unk
 Method: SW846_092112 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	1.322	.9078	314.6	1073.
Stddev	.574	.0731	6.7	9.
%RSD	43.43	8.055	2.120	.7980

#1	.7972	.8234	309.4	1063.
#2	1.233	.9514	322.1	1079.
#3	1.935	.9487	312.2	1077.

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	3684.8	37113.	3866.1
Stddev	25.8	356.	43.8
%RSD	.69971	.95841	1.1322

#1	3656.7	36765.	3912.8
#2	3707.5	37476.	3826.0
#3	3690.0	37099.	3859.4

Sample Name: 460-44818-a-14-a@4 Acquired: 9/22/2012 1:28:07 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5563.	6.421	-.4738	6.401	.2022	61.73
Stddev	146.	1.591	.2900	.210	.1862	14.37
%RSD	2.625	24.77	61.21	3.274	92.12	23.28

#1	5398.	5.004	-.1414	6.643	.3578	49.17
#2	5617.	6.117	-.6044	6.275	.2528	77.40
#3	5675.	8.142	-.6754	6.286	-.0042	58.62

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1754	-.1930	18.74	6.798	15790.	176.0
Stddev	.1482	.2612	.51	3.660	120.	11.0
%RSD	84.50	135.4	2.714	53.84	.7609	6.228

#1	-.1261	.1049	19.13	5.764	15920.	168.6
#2	-.0582	-.3011	18.93	10.86	15710.	170.8
#3	-.3421	-.3827	18.17	3.766	15730.	188.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-14-a@4 Acquired: 9/22/2012 1:28:07 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	23.53	19.49	23.77	.3014	7.294	3.491
Stddev	3.58	.13	13.82	.6867	1.505	1.337
%RSD	15.23	.6660	58.14	227.9	20.64	38.29

#1	21.89	19.64	14.30	-.0009	6.789	4.583
#2	21.07	19.42	39.63	1.087	8.987	3.889
#3	27.64	19.41	17.38	-.1823	6.105	2.000

Check ?	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
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	.0220	-1.958	25.80	9.157	4.173	7.535
Stddev	2.576	3.381	1.04	.226	.604	.254
%RSD	11730.	172.6	4.049	2.467	14.48	3.374

#1	2.796	.9754	26.23	8.953	4.838	7.659
#2	-2.295	-5.656	26.55	9.118	3.658	7.242
#3	-.4351	-1.195	24.60	9.399	4.022	7.703

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-14-a@4 Acquired: 9/22/2012 1:28:07 Type: Unk
Method: SW846_092112 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	1.825	1.071	298.3	988.0
Stddev	.249	.080	9.7	16.3
%RSD	13.66	7.475	3.251	1.652

#1	1.825	1.002	287.6	973.1
#2	1.576	1.053	300.7	985.4
#3	2.074	1.159	306.6	1005.

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	3708.7	37544.	3887.2
Stddev	19.8	330.	53.8
%RSD	.53325	.88008	1.3831

#1	3713.3	37169.	3947.0
#2	3725.9	37791.	3872.0
#3	3687.1	37672.	3842.7

Sample Name: 460-44818-a-15-a@4 Acquired: 9/22/2012 1:32:24 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4156.	2.969	.2373	6.951	.1877	60.52
Stddev	48.	1.107	.3220	.220	.1389	17.05
%RSD	1.163	37.29	135.7	3.168	74.00	28.17

#1	4190.	2.941	.0945	6.706	.2275	70.46
#2	4100.	1.876	.0113	7.132	.0332	70.27
#3	4176.	4.090	.6060	7.014	.3023	40.84

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0209	-.3157	15.41	-3.337	14280.	106.7
Stddev	.1126	.1101	.96	4.829	214.	40.1
%RSD	540.1	34.87	6.238	144.7	1.501	37.52

#1	.1024	-.1990	14.33	-6.234	14050.	149.1
#2	-.0465	-.4177	16.17	2.237	14340.	69.42
#3	-.1184	-.3305	15.73	-6.014	14460.	101.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-15-a@4 Acquired: 9/22/2012 1:32:24 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	36.24	21.91	36.90	.1453	9.497	1.891
Stddev	1.89	.35	12.03	.1049	.890	.075
%RSD	5.206	1.576	32.61	72.20	9.377	3.975

#1	37.70	21.51	30.51	.2663	9.671	1.861
#2	36.91	22.16	50.78	.0887	8.532	1.836
#3	34.11	22.05	29.42	.0808	10.29	1.977

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	-9.240	-3.539	24.39	8.527	4.943	4.997
Stddev	3.520	3.058	.51	.128	.298	.260
%RSD	381.0	86.41	2.070	1.505	6.036	5.207

#1	-.6043	-1.351	23.89	8.461	4.884	5.293
#2	2.425	-7.034	24.39	8.446	5.266	4.803
#3	-4.593	-2.233	24.90	8.675	4.678	4.896

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44818-a-15-a@4 Acquired: 9/22/2012 1:32:24 Type: Unk
 Method: SW846_092112 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	1.039	1.002	309.8	1123.
Stddev	.659	.153	2.8	39.
%RSD	63.39	15.30	.9107	3.462

#1	.9866	.8332	313.1	1089.
#2	1.723	1.133	308.0	1113.
#3	.4085	1.040	308.4	1165.

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	3729.1	37674.	3828.7
Stddev	34.8	387.	53.9
%RSD	.93264	1.0273	1.4091

#1	3762.3	38093.	3766.6
#2	3732.0	37600.	3864.2
#3	3692.9	37329.	3855.3

Sample Name: 460-44341-a-16-b@4 Acquired: 9/22/2012 1:40:53 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45940.	18.54	-3173	155.9	2.213	1603.
Stddev	58.	.19	.7720	.7	.167	6.
%RSD	.1254	1.009	243.3	.4606	7.558	.3633

#1	45880.	18.69	-1.205	155.1	2.053	1607.
#2	45930.	18.60	.1950	156.5	2.386	1605.
#3	46000.	18.33	.0584	156.2	2.201	1596.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4813	32.98	29.86	13.54	69520.	759.4
Stddev	.0901	.53	.50	4.76	339.	49.6
%RSD	18.71	1.599	1.669	35.16	.4875	6.530

#1	-4961	32.89	29.84	14.70	69630.	758.0
#2	-5631	33.54	30.36	8.310	69140.	809.6
#3	-3848	32.50	29.37	17.62	69800.	710.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44341-a-16-b@4 Acquired: 9/22/2012 1:40:53 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	1409.	496.2	12.42	23.13	19.66	-.4203
Stddev	12.	2.5	7.26	.34	1.98	.9054
%RSD	.8217	.4992	58.49	1.477	10.07	215.4

#1	1419.	497.2	20.58	22.75	18.48	-.9736
#2	1396.	493.4	10.00	23.42	21.94	-.9117
#3	1410.	498.1	6.667	23.22	18.56	.6246

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	-4.604	-6.379	66.86	54.25	3.834	.4261
Stddev	4.383	2.189	.21	.33	.611	.2044
%RSD	95.20	34.31	.3084	.6079	15.94	47.98

#1	.2638	-6.303	67.07	53.93	4.169	.4455
#2	-8.238	-4.230	66.85	54.59	4.204	.6201
#3	-5.839	-8.605	66.66	54.23	3.128	.2126

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44341-a-16-b@4 Acquired: 9/22/2012 1:40:53 Type: Unk
Method: SW846_092112 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	1.864	15.53	770.8	1499.
Stddev	.196	.16	2.1	15.
%RSD	10.53	1.006	.2758	.9868

#1	2.085	15.57	769.7	1489.
#2	1.710	15.36	773.2	1516.
#3	1.798	15.66	769.4	1491.

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	3966.8	39758.	4110.3
Stddev	20.3	176.	7.2
%RSD	.51153	.44355	.17577

#1	3960.0	39556.	4106.1
#2	3950.8	39881.	4118.6
#3	3989.6	39836.	4106.1

Sample Name: 460-44341-b-7-a@4 Acquired: 9/22/2012 1:45:06 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48330.	62.52	-.5988	275.9	3.242	2138.
Stddev	471.	1.12	.1769	2.8	.182	37.
%RSD	.9736	1.786	29.54	1.002	5.610	1.741

#1	48390.	61.26	-.4159	272.8	3.410	2095.
#2	47840.	62.93	-.6116	277.1	3.266	2156.
#3	48770.	63.38	-.7689	277.9	3.049	2163.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1837	22.42	79.32	120.6	89640.	1769.
Stddev	.2133	.35	.97	9.9	1286.	46.
%RSD	116.1	1.563	1.226	8.230	1.434	2.582

#1	-.1696	22.21	78.48	128.7	88330.	1769.
#2	-.4038	22.22	80.39	109.5	90900.	1724.
#3	.0222	22.82	79.10	123.7	89670.	1815.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44341-b-7-a@4 Acquired: 9/22/2012 1:45:06 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	4040.	821.8	52.77	29.19	63.98	.1683
Stddev	62.	12.4	8.06	.58	2.10	.6142
%RSD	1.543	1.508	15.28	1.999	3.286	364.9

#1	3979.	809.3	62.04	29.18	61.56	-.4650
#2	4104.	834.1	48.93	28.60	65.27	.7615
#3	4036.	822.0	47.35	29.77	65.12	.2085

Check ?	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
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	-1.686	-6.355	128.1	143.6	8.861	1.659
Stddev	.828	1.716	2.4	1.4	.417	.396
%RSD	49.10	27.01	1.907	.9521	4.710	23.86

#1	-2.026	-8.305	125.5	142.0	8.400	1.303
#2	-.7424	-5.074	130.3	144.0	9.213	2.086
#3	-2.290	-5.687	128.5	144.6	8.970	1.589

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44341-b-7-a@4 Acquired: 9/22/2012 1:45:06 Type: Unk
 Method: SW846_092112 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	3.383	15.92	853.9	1877.
Stddev	.352	.22	8.1	35.
%RSD	10.40	1.375	.9498	1.888

#1	3.031	15.94	855.1	1837.
#2	3.382	15.69	845.2	1891.
#3	3.735	16.13	861.3	1903.

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	3960.2	39267.	4159.0
Stddev	16.9	346.	53.2
%RSD	.42709	.88036	1.2803

#1	3976.1	39486.	4103.1
#2	3962.0	38868.	4209.2
#3	3942.4	39446.	4164.6

Sample Name: 460-44341-d-5-a@4 Acquired: 9/22/2012 1:49:16 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42880.	53.65	-.0959	221.9	2.851	1890.
Stddev	421.	.94	.2038	1.2	.094	8.
%RSD	.9816	1.751	212.5	.5608	3.308	.4487

#1	43300.	54.19	-.2231	221.9	2.921	1880.
#2	42880.	52.57	-.2037	220.7	2.744	1896.
#3	42460.	54.21	.1391	223.2	2.889	1892.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3719	20.87	63.38	102.6	81450.	1637.
Stddev	.1060	.34	1.58	2.3	1990.	57.
%RSD	28.49	1.642	2.498	2.197	2.443	3.487

#1	-.2498	20.96	62.50	104.7	80100.	1630.
#2	-.4256	20.49	62.44	100.2	80520.	1584.
#3	-.4402	21.15	65.21	102.8	83740.	1698.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44341-d-5-a@4 Acquired: 9/22/2012 1:49:16 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	3526.	829.8	27.72	24.99	54.80	1.365
Stddev	83.	20.5	9.78	.61	1.16	2.827
%RSD	2.347	2.473	35.28	2.446	2.124	207.2

#1	3468.	815.5	38.05	25.65	53.55	2.220
#2	3490.	820.5	18.60	24.44	55.85	-1.791
#3	3621.	853.3	26.51	24.88	54.99	3.665

Check ?	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
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	-4.642	-9.395	107.3	88.97	7.618	1.459
Stddev	2.727	2.765	2.2	.43	.286	.653
%RSD	58.75	29.43	2.069	.4828	3.761	44.76

#1	-6.888	-6.420	105.6	89.06	7.795	1.096
#2	-1.607	-11.89	106.5	88.50	7.287	1.067
#3	-5.432	-9.876	109.8	89.35	7.771	2.212

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44341-d-5-a@4 Acquired: 9/22/2012 1:49:16 Type: Unk
Method: SW846_092112 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	3.661	13.63	801.9	1813.
Stddev	.749	.23	9.0	13.
%RSD	20.45	1.677	1.117	.7262

#1	2.805	13.76	807.9	1817.
#2	4.195	13.77	806.2	1824.
#3	3.982	13.37	791.6	1798.

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	3845.0	38207.	4032.5
Stddev	8.0	514.	21.1
%RSD	.20703	1.3464	.52229

#1	3843.3	38616.	4010.0
#2	3853.7	38377.	4035.8
#3	3838.0	37630.	4051.7

Sample Name: 460-44341-a-3-a@4 Acquired: 9/22/2012 1:53:26 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32390.	13.41	.1973	51.46	1.255	182.2
Stddev	400.	1.75	.5021	1.17	.116	16.5
%RSD	1.236	13.06	254.5	2.284	9.209	9.076

#1	32620.	12.65	.5154	50.51	1.124	201.2
#2	31930.	12.17	-.3816	51.08	1.344	174.2
#3	32620.	15.41	.4580	52.77	1.296	171.2

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4166	27.67	41.32	23.42	51860.	752.0
Stddev	.1423	.97	.82	1.11	992.	77.0
%RSD	34.16	3.507	1.976	4.732	1.913	10.23

#1	-.2841	26.96	40.61	24.37	50850.	777.4
#2	-.3987	27.28	41.16	22.20	51900.	665.6
#3	-.5670	28.78	42.21	23.70	52830.	813.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44341-a-3-a@4 Acquired: 9/22/2012 1:53:26 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	965.6	374.4	13.53	14.11	35.31	.5300
Stddev	17.9	7.0	8.69	.44	.98	2.886
%RSD	1.856	1.871	64.23	3.140	2.787	544.5

#1	950.5	367.5	3.545	14.17	34.29	-.6487
#2	960.8	374.1	17.67	13.64	35.38	-1.580
#3	985.4	381.5	19.38	14.52	36.25	3.819

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	-2.652	-2.308	96.69	59.53	6.121	.6006
Stddev	3.108	.727	2.64	1.42	.637	.1370
%RSD	117.2	31.51	2.728	2.394	10.41	22.81

#1	-5.687	-1.469	94.06	58.15	6.489	.6642
#2	.5252	-2.767	96.68	59.45	5.385	.4434
#3	-2.795	-2.688	99.33	61.00	6.489	.6942

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44341-a-3-a@4 Acquired: 9/22/2012 1:53:26 Type: Unk
 Method: SW846_092112 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	2.133	2.530	629.8	1887.
Stddev	.247	.244	6.0	41.
%RSD	11.56	9.659	.9515	2.179

#1	2.028	2.603	633.2	1846.
#2	1.956	2.257	622.9	1886.
#3	2.414	2.729	633.2	1928.

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	3727.1	37623.	3965.1
Stddev	79.4	191.	52.8
%RSD	2.1299	.50800	1.3309

#1	3788.6	37619.	3912.1
#2	3755.1	37816.	4017.6
#3	3637.5	37434.	3965.5

Sample Name: 460-44341-a-1-a@4 Acquired: 9/22/2012 1:57:40 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39070.	13.46	-.3948	106.3	2.161	581.5
Stddev	385.	2.59	.1778	1.0	.173	6.8
%RSD	.9843	19.21	45.03	.9795	8.004	1.170

#1	38940.	15.19	-.4108	105.2	2.345	581.4
#2	38770.	10.49	-.5641	106.3	2.003	574.7
#3	39500.	14.70	-.2096	107.3	2.134	588.4

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3637	53.64	36.01	17.04	60230.	759.6
Stddev	.1080	.54	.73	3.35	394.	44.4
%RSD	29.71	.9993	2.025	19.67	.6536	5.846

#1	-.3538	53.17	35.71	19.59	60290.	708.7
#2	-.4763	53.52	35.47	18.29	59810.	779.7
#3	-.2609	54.22	36.84	13.24	60590.	790.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44341-a-1-a@4 Acquired: 9/22/2012 1:57:40 Type: Unk

Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

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	1307.	1417.	8.407	22.84	36.13	-1.817
Stddev	7.	9.	8.802	.83	1.37	1.369
%RSD	.5529	.6627	104.7	3.628	3.780	75.34

#1	1307.	1417.	.2327	22.30	37.29	-1.528
#2	1299.	1408.	7.265	22.43	36.47	-3.308
#3	1313.	1426.	17.72	23.80	34.63	-.6158

Check ?	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
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	-4.018	-8.780	85.04	95.33	5.201	.2790
Stddev	4.216	1.203	1.01	.92	.526	.1230
%RSD	104.9	13.70	1.182	.9688	10.12	44.09

#1	-1.193	-7.478	84.77	94.45	4.762	.4142
#2	-8.863	-9.850	84.20	95.26	5.784	.1738
#3	-1.997	-9.011	86.15	96.29	5.055	.2489

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44341-a-1-a@4 Acquired: 9/22/2012 1:57:40 Type: Unk
Method: SW846_092112 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	2.124	4.437	714.6	1629.
Stddev	.411	.067	3.8	20.
%RSD	19.34	1.514	.5275	1.235

#1	2.340	4.360	710.9	1613.
#2	1.650	4.482	714.6	1652.
#3	2.381	4.468	718.4	1622.

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	3809.8	37875.	3991.0
Stddev	24.7	356.	27.5
%RSD	.64777	.93955	.68904

#1	3832.1	37549.	4021.8
#2	3814.0	38255.	3982.7
#3	3783.3	37820.	3968.7

Sample Name: CCV Acquired: 9/22/2012 2:01:54 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127600.	2548.	1237.	10130.	1003.	114300.
Stddev	1230.	6.	8.	23.	11.	578.
%RSD	.9641	.2215	.6385	.2250	1.062	.5059

#1	126400.	2545.	1240.	10110.	992.5	113800.
#2	128900.	2555.	1243.	10150.	1014.	114900.
#3	127600.	2545.	1228.	10130.	1003.	114200.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1274.	2565.	5037.	12650.	100800.	52020.
Stddev	3.	4.	44.	121.	983.	579.
%RSD	.2565	.1482	.8681	.9529	.9748	1.114

#1	1271.	2561.	5063.	12530.	101500.	51380.
#2	1277.	2568.	5062.	12770.	101300.	52490.
#3	1273.	2565.	4987.	12630.	99720.	52200.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/22/2012 2:01:54 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	126800.	5135.	133700.	2597.	7773.	1025.
Stddev	944.	43.	1466.	7.	19.	6.
%RSD	.7442	.8330	1.097	.2738	.2454	.5725

#1	127200.	5157.	132100.	2590.	7752.	1018.
#2	127400.	5162.	134900.	2604.	7790.	1030.
#3	125700.	5086.	134100.	2595.	7776.	1025.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2514.	2609.	2482.	2541.	1013.	2548.
Stddev	7.	2.	22.	6.	3.	6.
%RSD	.2738	.0806	.8880	.2524	.2985	.2495

#1	2507.	2611.	2492.	2534.	1010.	2544.
#2	2520.	2607.	2498.	2546.	1016.	2556.
#3	2515.	2608.	2457.	2543.	1013.	2545.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/22/2012 2:01:54 Type: QC
 Method: SW846_092112 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	1025.	5252.	10190.	9320.
Stddev	1.	51.	106.	96.
%RSD	.1312	.9657	1.037	1.028

#1	1024.	5200.	10080.	9213.
#2	1027.	5301.	10290.	9399.
#3	1026.	5254.	10200.	9349.

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	3395.5	33572.	3689.7
Stddev	20.8	149.	5.5
%RSD	.61140	.44237	.14981

#1	3419.2	33732.	3695.9
#2	3386.9	33545.	3687.8
#3	3380.4	33439.	3685.3

Sample Name: CCB Acquired: 9/22/2012 2:05:49 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-34.72	.6364	.2926	.6800	.2406	33.08
Stddev	17.63	.2407	1.257	.4447	.2744	25.71
%RSD	50.77	37.82	429.7	65.40	114.1	77.72
#1	-15.10	.7249	1.132	1.180	.2783	62.76
#2	-39.83	.8203	.8984	.5333	-.0507	18.68
#3	-49.22	.3640	-1.153	.3272	.4941	17.80

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0413	-.2529	.2595	3.428	4.701	-52.91
Stddev	.1103	.3463	.9268	1.814	26.74	34.93
%RSD	267.0	137.0	357.2	52.93	568.9	66.03
#1	-.0360	-.1077	1.319	1.411	27.26	-12.58
#2	.1676	-.0028	-.1382	4.926	11.68	-72.20
#3	-.0077	-.6481	-.4022	3.947	-24.84	-73.94

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/22/2012 2:05:49 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	9.136	.5125	75.30	.6795	.3000	-1.500
Stddev	13.37	.3804	51.62	.2737	.6014	2.271
%RSD	146.3	74.22	68.55	40.28	200.5	151.4
#1	23.50	.9250	134.3	.9751	-.3925	-2.015
#2	6.858	.4370	38.51	.4349	.6007	.9842
#3	-2.947	.1755	53.08	.6284	.6918	-3.470

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	-1.398	-4.145	.5972	.4011	1.171	1.072
Stddev	1.945	.473	.2140	.1498	.626	.719
%RSD	139.1	11.42	35.84	37.34	53.43	67.08
#1	.6296	-3.629	.8200	.5457	1.879	1.902
#2	-1.575	-4.245	.3931	.4109	.6916	.6803
#3	-3.248	-4.559	.5784	.2467	.9427	.6339

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/22/2012 2:05:49 Type: QC
Method: SW846_092112 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

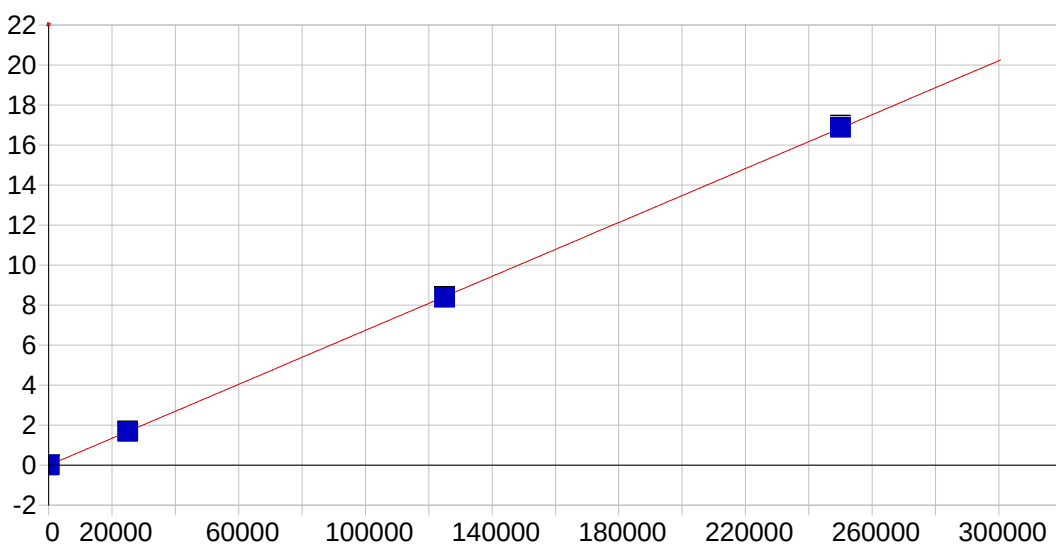
Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8809	.7145	1.699	21.07
Stddev	.1747	.7399	1.620	16.23
%RSD	19.83	103.6	95.37	77.03

#1	1.081	1.567	2.010	8.692
#2	.7610	.2444	3.141	15.08
#3	.8004	.3317	-.0544	39.45

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	3619.8	36572.	3817.0
Stddev	31.7	160.	22.2
%RSD	.87604	.43691	.58057

#1	3606.5	36467.	3838.2
#2	3656.0	36756.	3794.0
#3	3596.9	36493.	3818.7

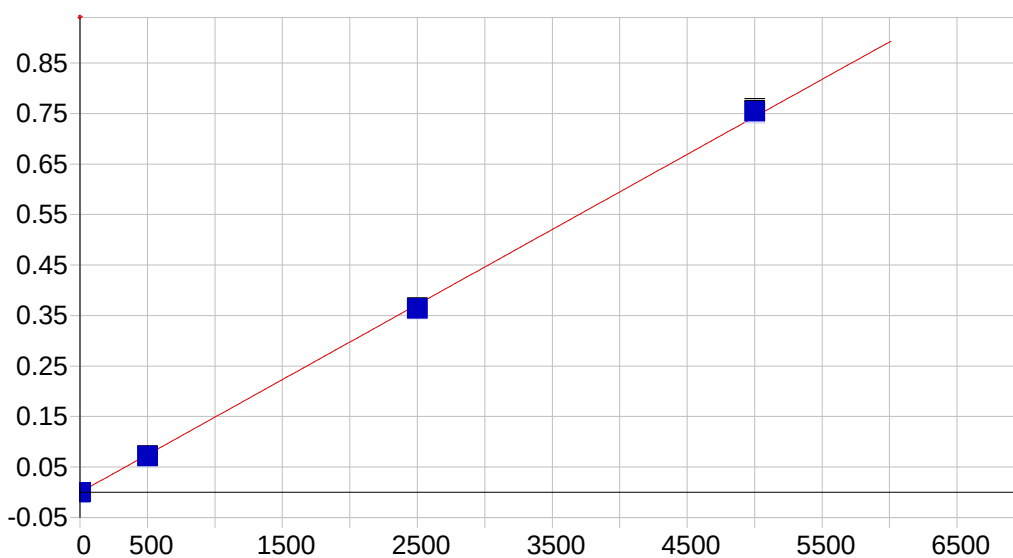


AI 396.152 { 85}

Date of Fit: 9/24/2012 18:17:28 Type of Fit: Linear Weighting: 1/Conc

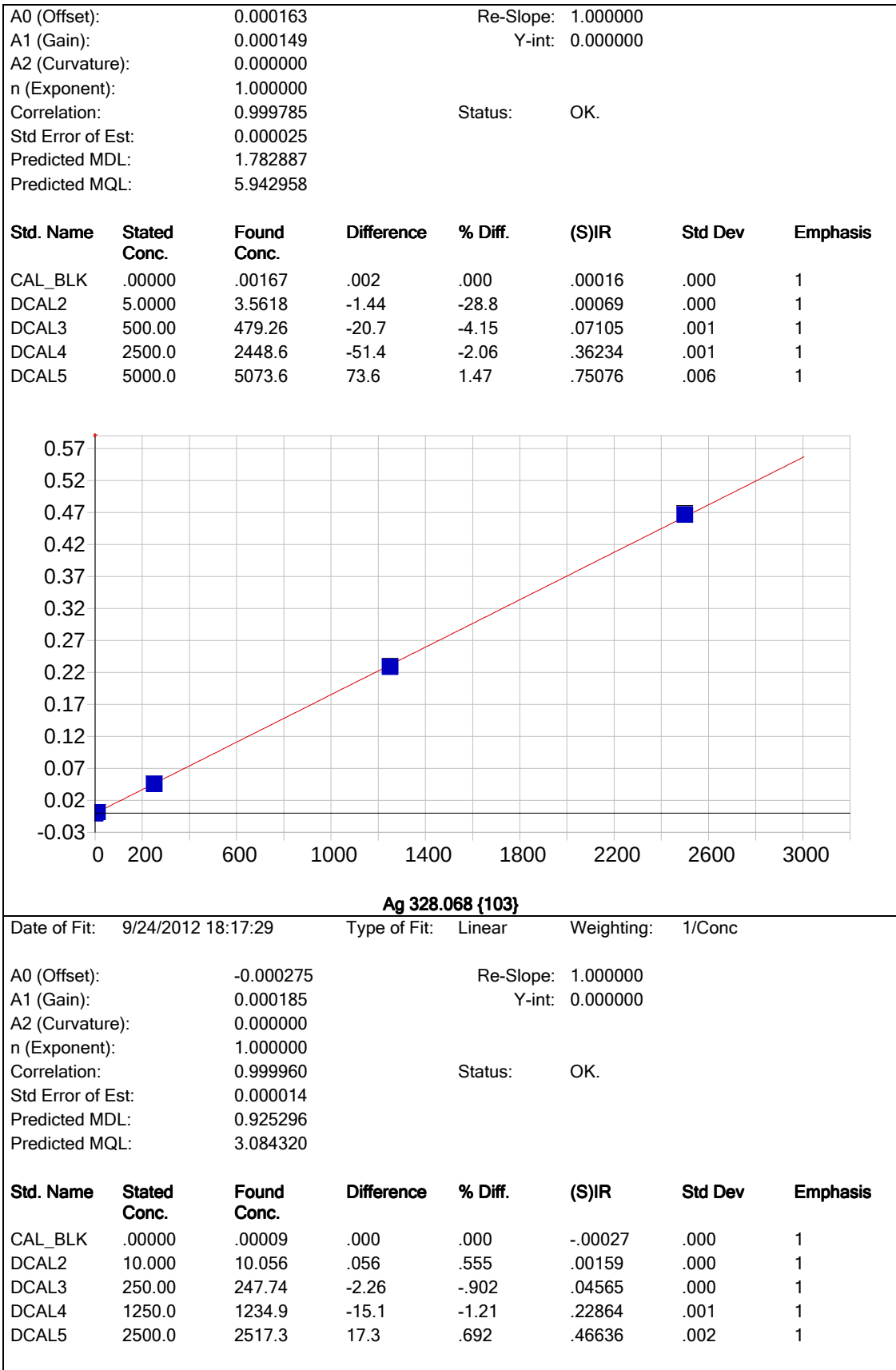
A0 (Offset): -0.004876 Re-Slope: 1.000000
 A1 (Gain): 0.000067 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999990 Status: OK.
 Std Error of Est: 0.000108
 Predicted MDL: 16.988775
 Predicted MQL: 56.629250

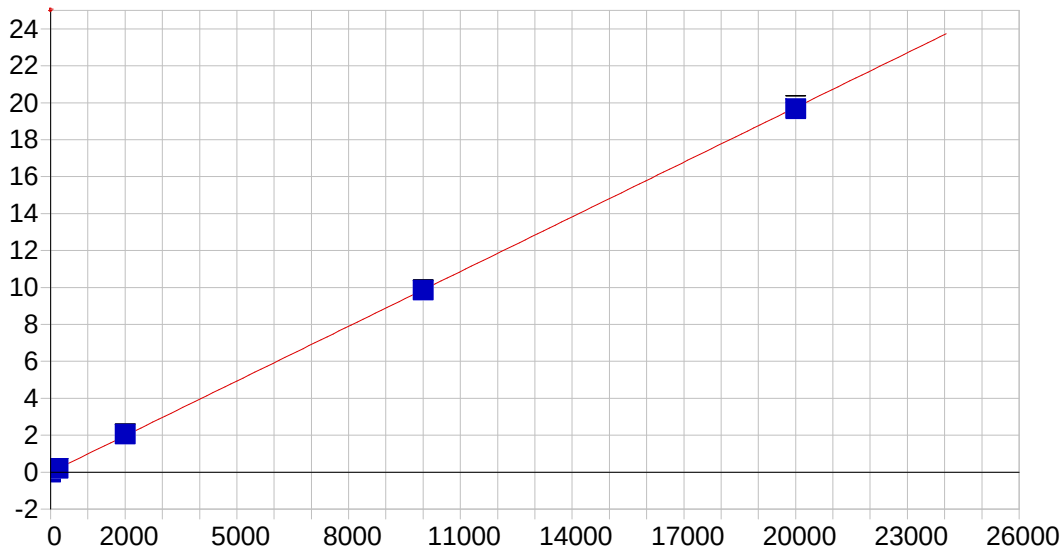
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.02712	-.027	.000	-.00488	.001	1
DCAL2	200.00	227.30	27.3	13.6	.01047	.000	1
DCAL3	25000.	25044.	43.8	.175	1.6848	.010	1
DCAL4	125000.	124410.	-593.	-.475	8.3886	.048	1
DCAL5	250000.	250520.	522.	.209	16.897	.096	1



As 189.042 {478}

Date of Fit: 9/24/2012 18:17:28 Type of Fit: Linear Weighting: 1/Conc



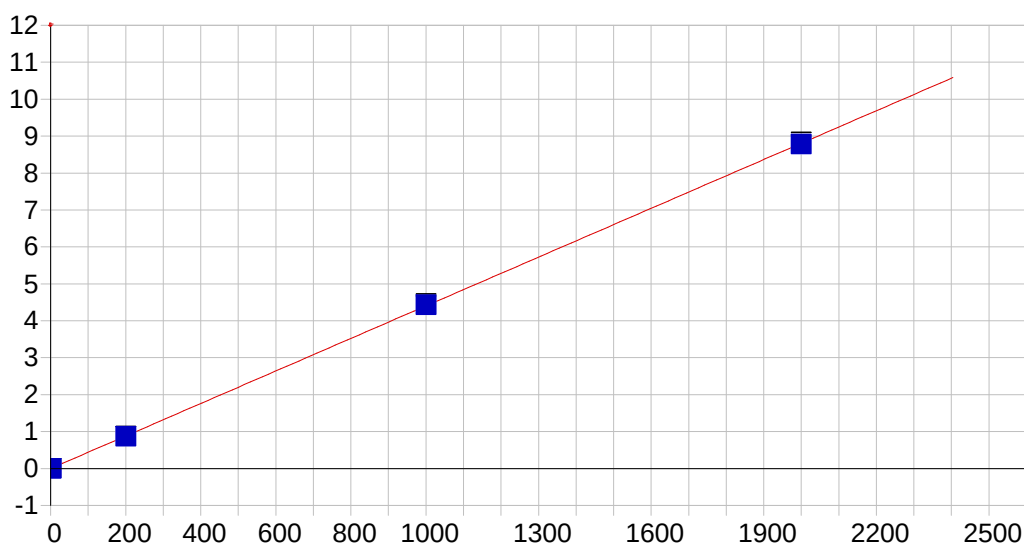


Ba 233.527 {445}

Date of Fit: 9/24/2012 18:17:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000201 Re-Slope: 1.000000
 A1 (Gain): 0.000987 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999941 Status: OK.
 Std Error of Est: 0.001113
 Predicted MDL: 0.273993
 Predicted MQL: 0.913308

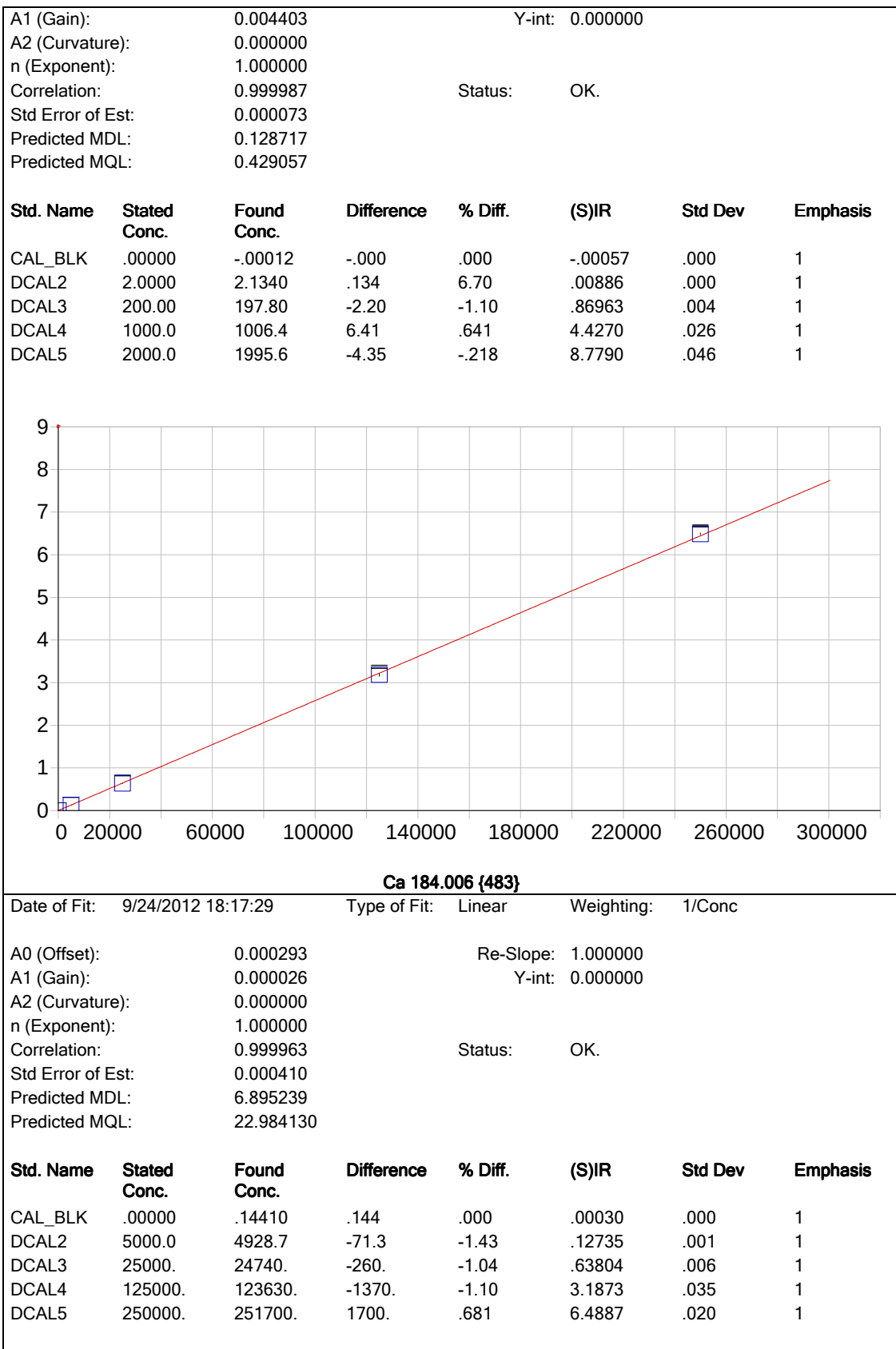
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.01547	-.015	.000	-.00022	.000	1
DCAL2	200.00	208.59	8.59	4.29	.20564	.002	1
DCAL3	2000.0	2079.7	79.7	3.98	2.0505	.016	1
DCAL4	10000.	9980.3	-19.7	-.197	9.8405	.017	1
DCAL5	20000.	19931.	-68.5	-.343	19.652	.183	1

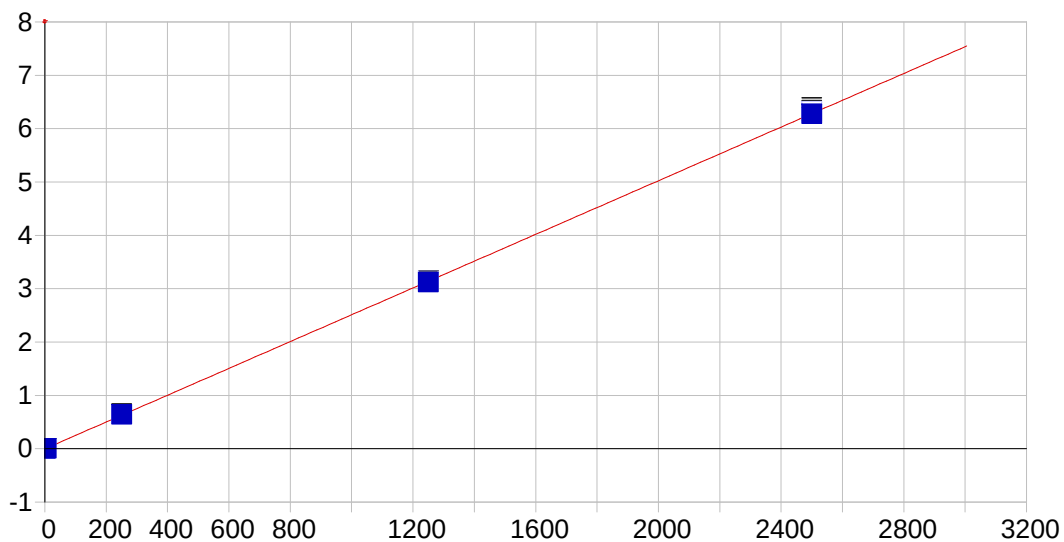


Be 313.042 {108}

Date of Fit: 9/24/2012 18:17:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000570 Re-Slope: 1.000000



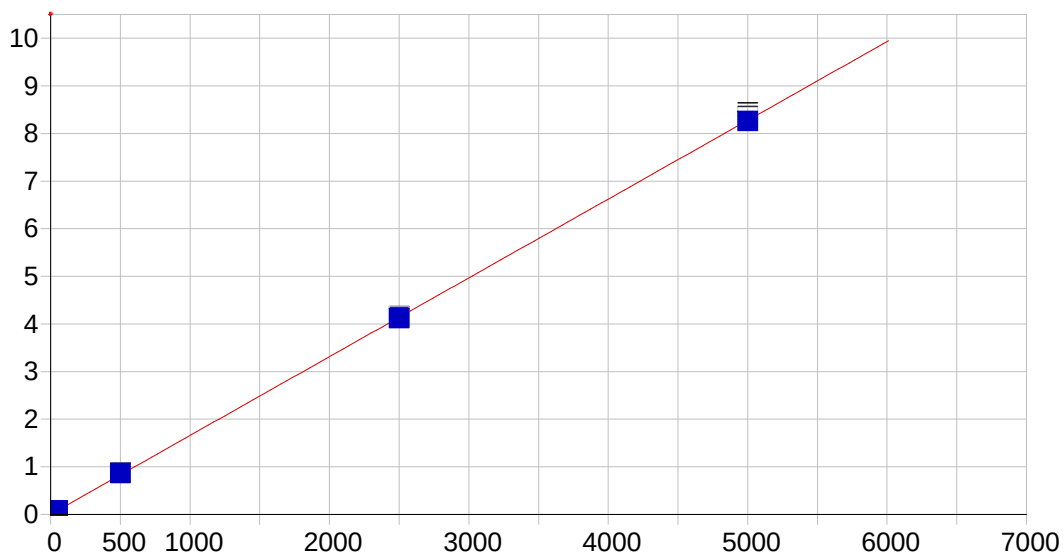


Cd 226.502 {449}

Date of Fit: 9/24/2012 18:17:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001565 Re-Slope: 1.000000
 A1 (Gain): 0.002513 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999976 Status: OK.
 Std Error of Est: 0.000091
 Predicted MDL: 0.152362
 Predicted MQL: 0.507873

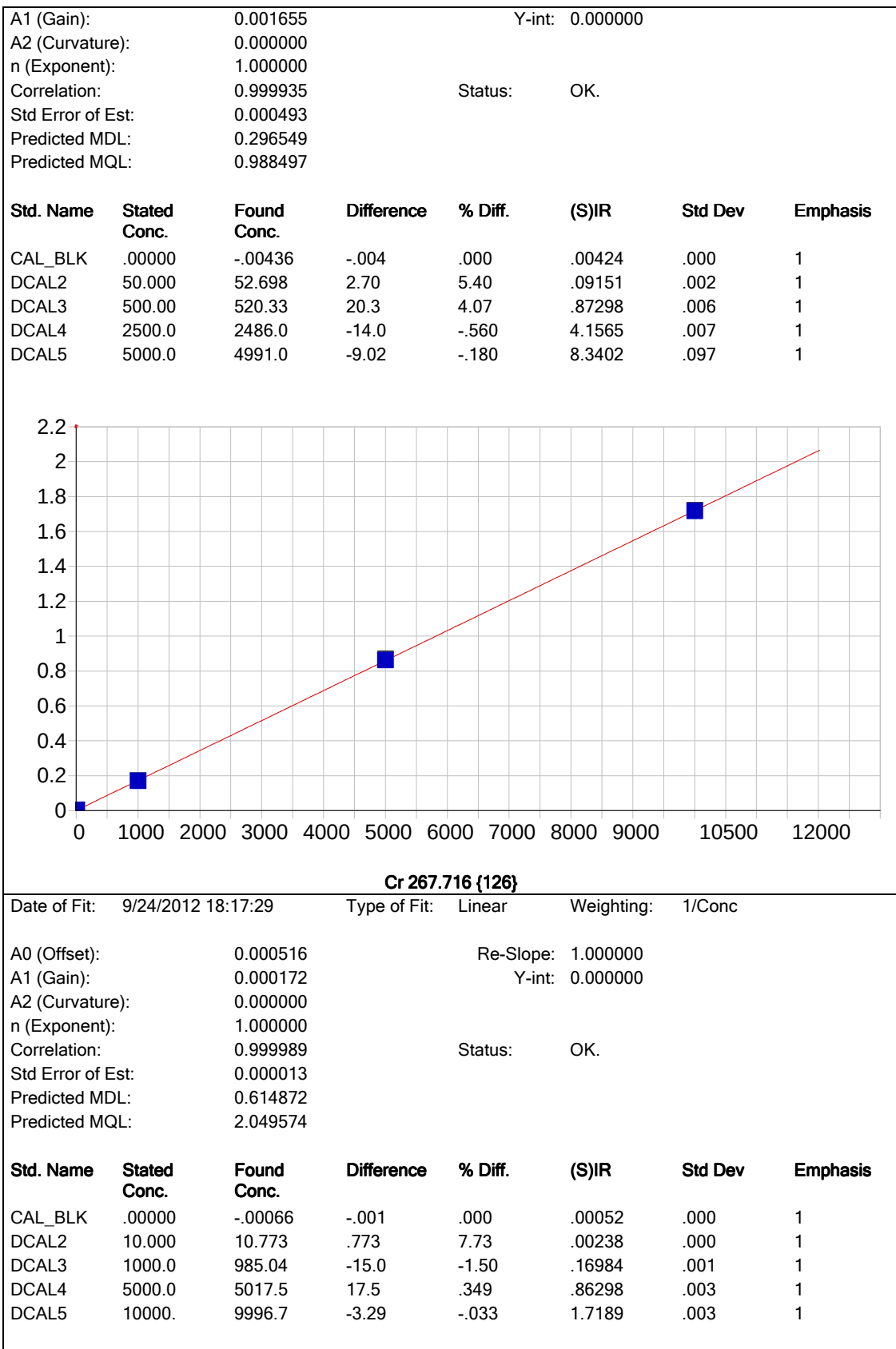
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00025	-.000	.000	-.00157	.001	1
DCAL2	4.0000	4.1687	.169	4.22	.00894	.000	1
DCAL3	250.00	256.30	6.30	2.52	.64687	.005	1
DCAL4	1250.0	1243.9	-6.13	-.490	3.1460	.005	1
DCAL5	2500.0	2499.7	-.345	-.014	6.3236	.066	1

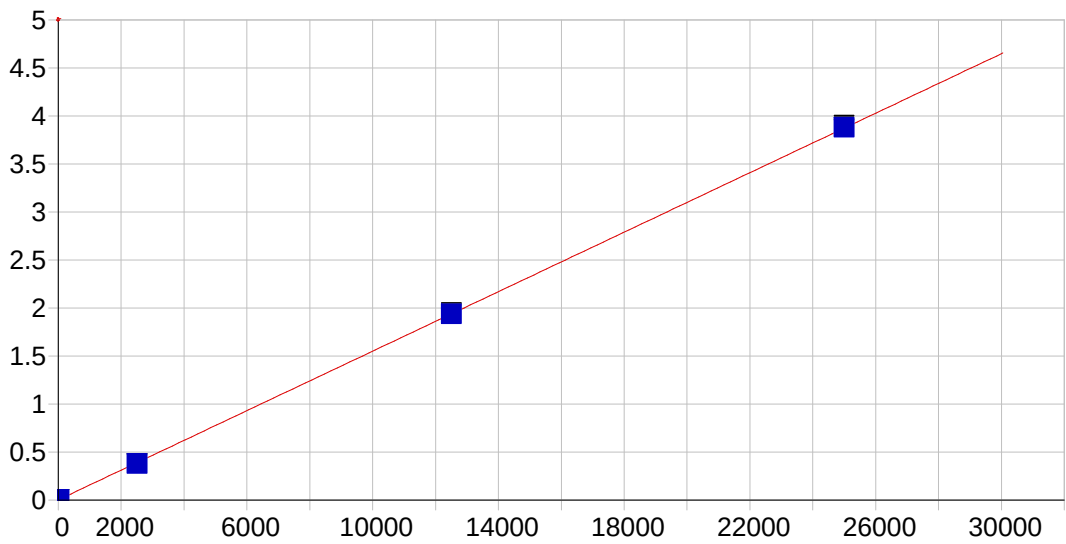


Co 228.616 {447}

Date of Fit: 9/24/2012 18:17:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004251 Re-Slope: 1.000000



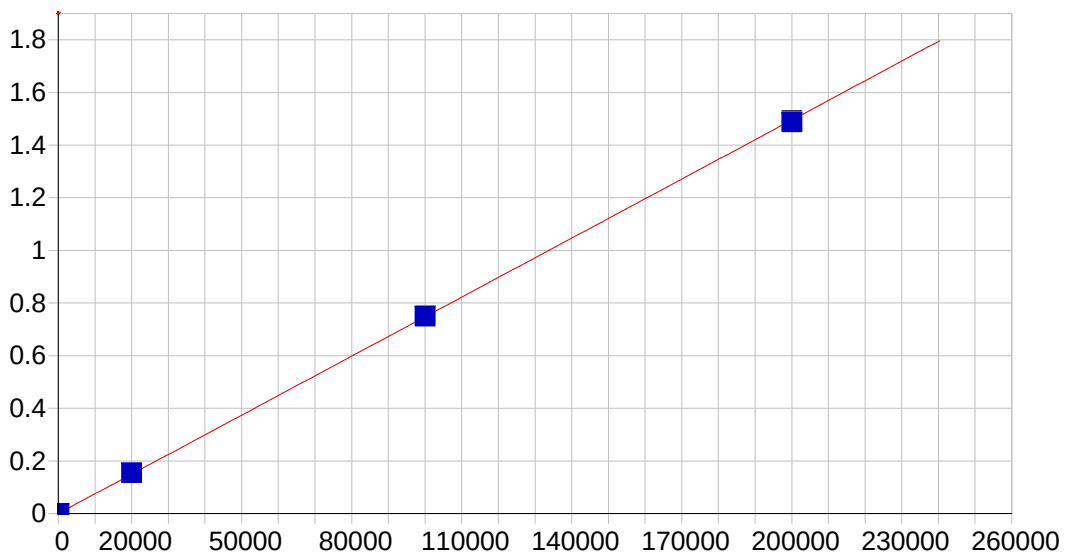


Cu 324.754 {104}

Date of Fit: 9/24/2012 18:17:29 Type of Fit: Linear Weighting: 1/Conc

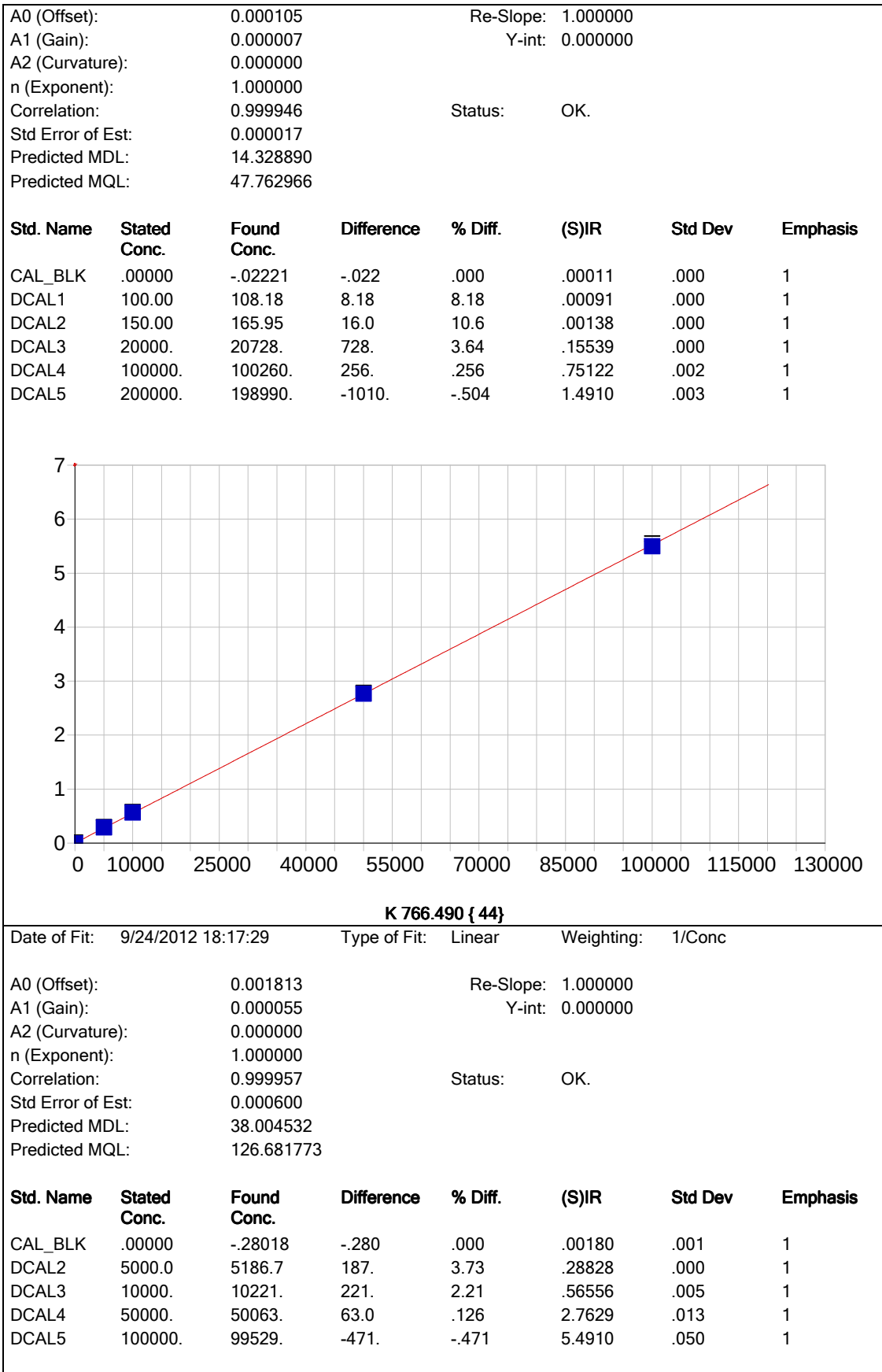
A0 (Offset): 0.002400 Re-Slope: 1.000000
 A1 (Gain): 0.000155 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999969 Status: OK.
 Std Error of Est: 0.000030
 Predicted MDL: 3.533162
 Predicted MQL: 11.777207

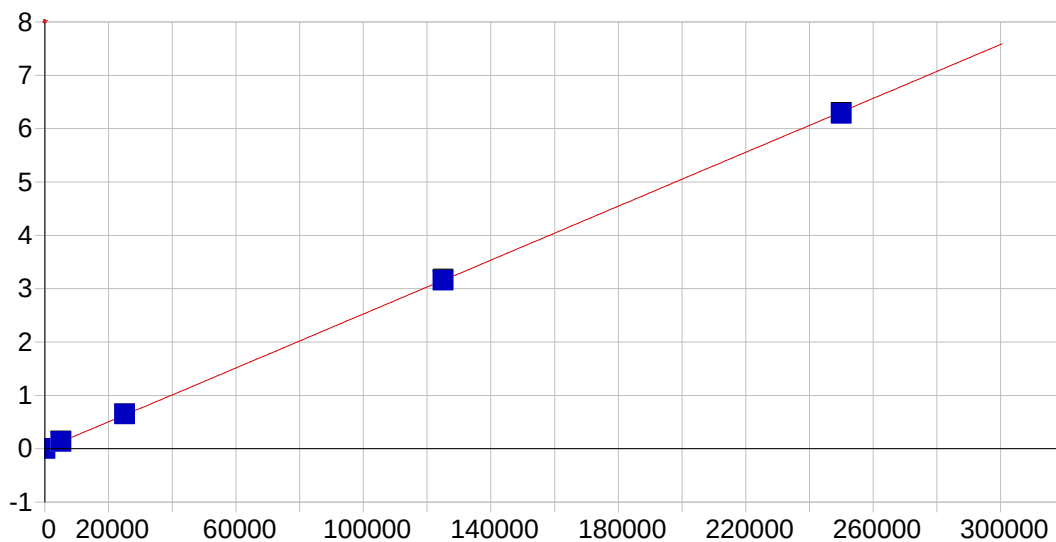
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00024	.000	.000	.00240	.000	1
DCAL1	10.000	8.8271	-1.17	-11.7	.00376	.001	1
DCAL2	25.000	27.946	2.95	11.8	.00671	.000	1
DCAL3	2500.0	2431.8	-68.2	-2.73	.37837	.001	1
DCAL4	12500.	12510.	10.4	.083	1.9367	.011	1
DCAL5	25000.	25056.	56.1	.224	3.8764	.020	1



Fe 271.441 {124}

Date of Fit: 9/24/2012 18:17:29 Type of Fit: Linear Weighting: 1/Conc



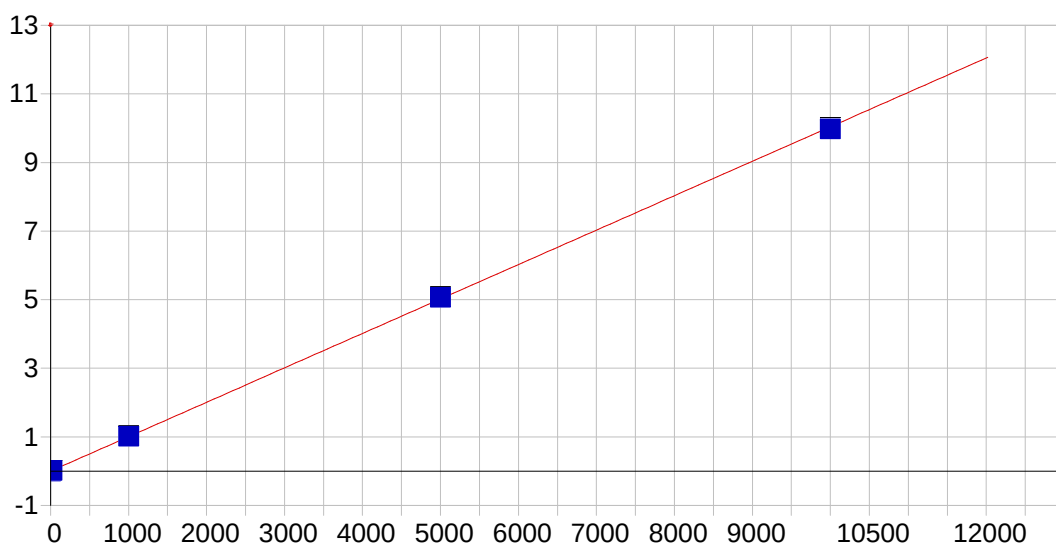


Mg 279.079 {121}

Date of Fit: 9/24/2012 18:17:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000025 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999938 Status: OK.
 Std Error of Est: 0.000515
 Predicted MDL: 4.633422
 Predicted MQL: 15.444741

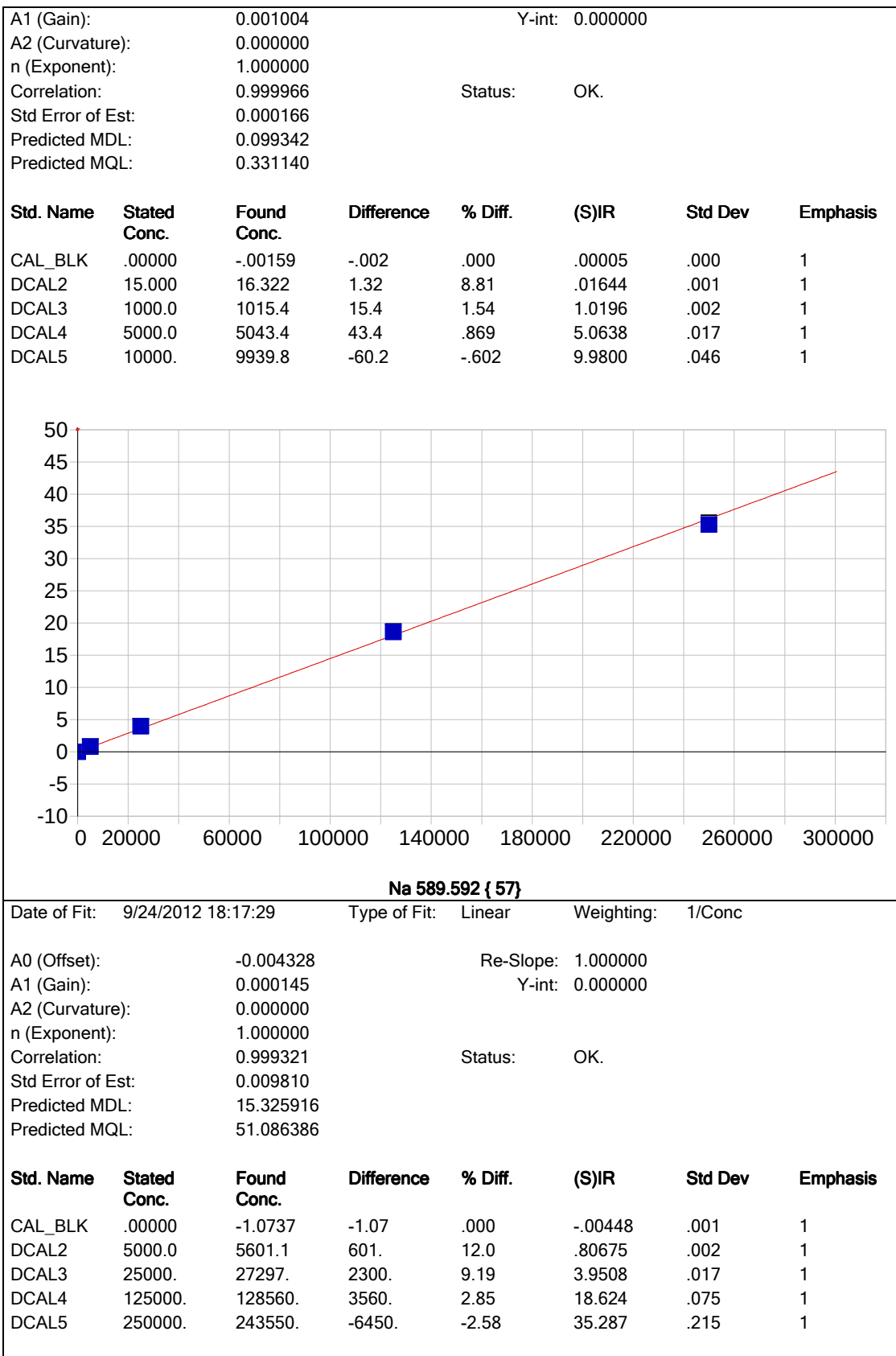
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.47978	-.480	.000	-.00001	.000	1
DCAL2	5000.0	5362.8	363.	7.26	.13545	.005	1
DCAL3	25000.	25682.	682.	2.73	.64852	.002	1
DCAL4	125000.	125070.	69.3	.055	3.1582	.016	1
DCAL5	250000.	248890.	-1110.	-.446	6.2847	.014	1

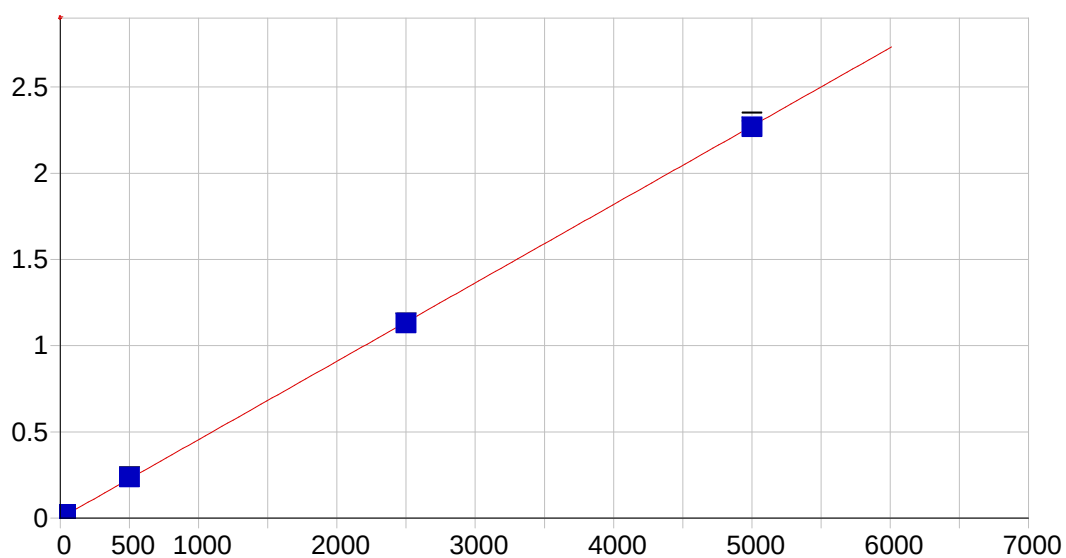


Mn 257.610 {131}

Date of Fit: 9/24/2012 18:17:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000050 Re-Slope: 1.000000



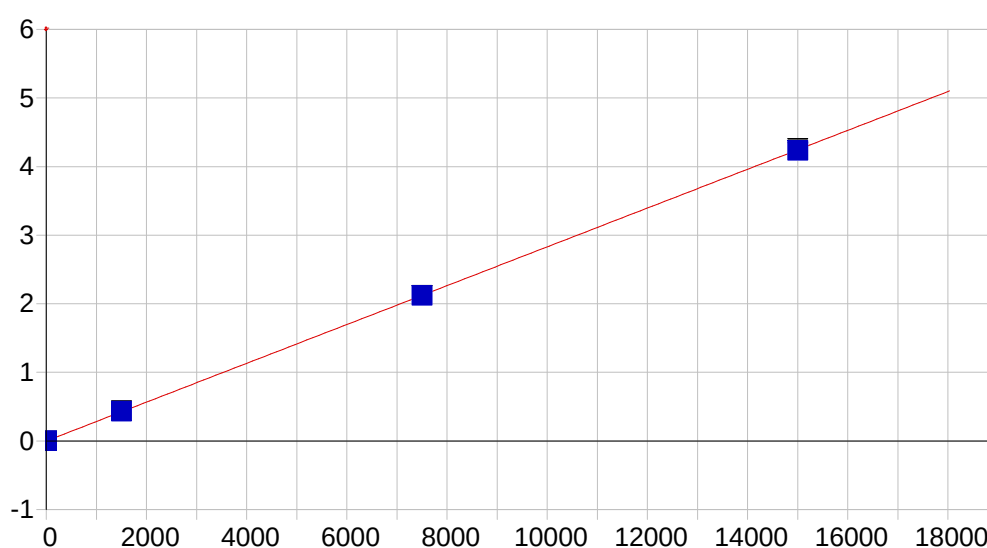


Ni 231.604 {446}

Date of Fit: 9/24/2012 18:17:29 Type of Fit: Linear Weighting: 1/Conc

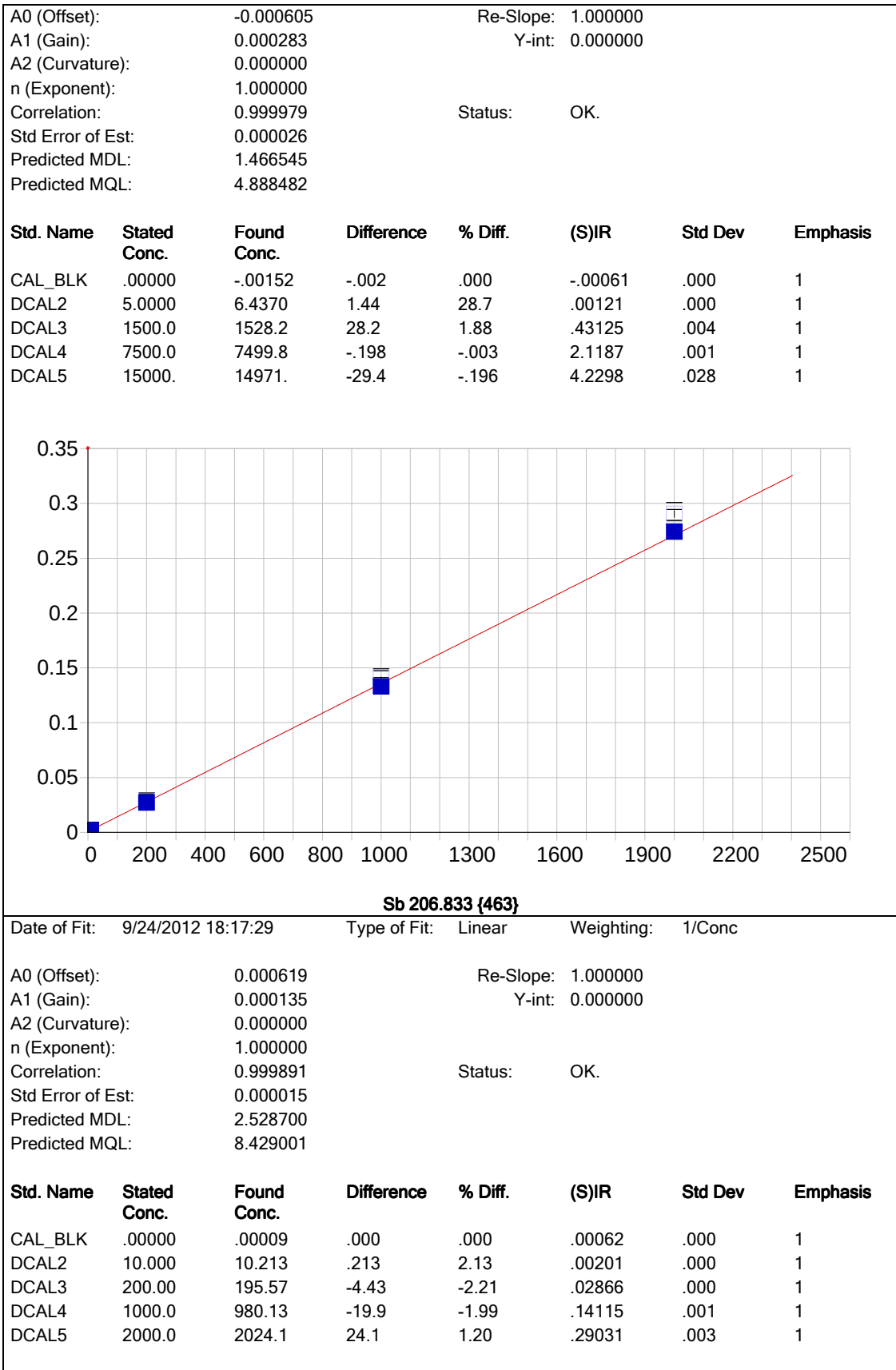
A0 (Offset): 0.000453 Re-Slope: 1.000000
 A1 (Gain): 0.000455 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999916 Status: OK.
 Std Error of Est: 0.000065
 Predicted MDL: 0.732312
 Predicted MQL: 2.441041

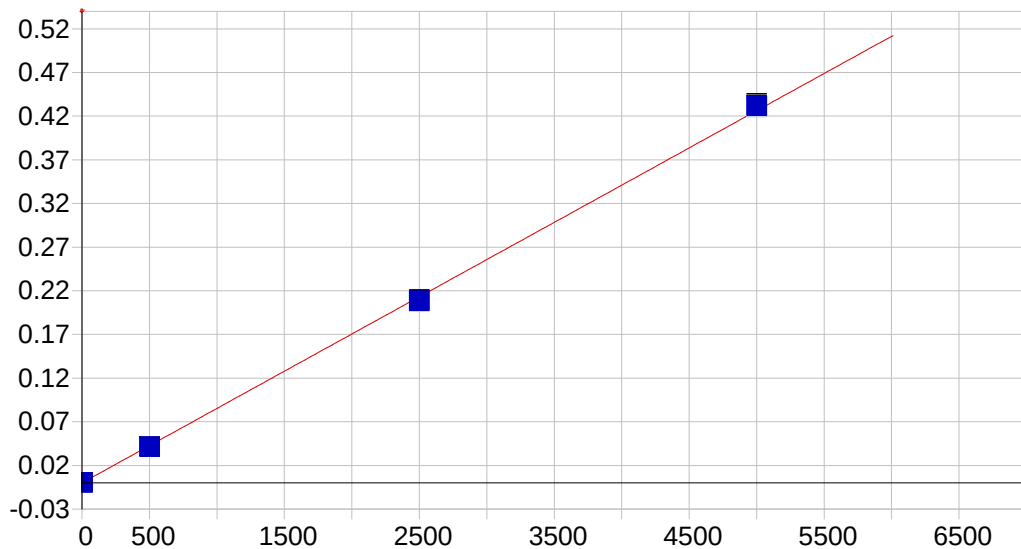
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00210	-.002	.000	.00045	.000	1
DCAL1	10.000	11.091	1.09	10.9	.00550	.000	1
DCAL2	40.000	42.594	2.59	6.49	.01981	.000	1
DCAL3	500.00	521.83	21.8	4.37	.23812	.002	1
DCAL4	2500.0	2485.5	-14.5	-.582	1.1325	.003	1
DCAL5	5000.0	4989.0	-11.0	-.219	2.2729	.024	1



Pb 220.353 {453}

Date of Fit: 9/24/2012 18:17:29 Type of Fit: Linear Weighting: 1/Conc



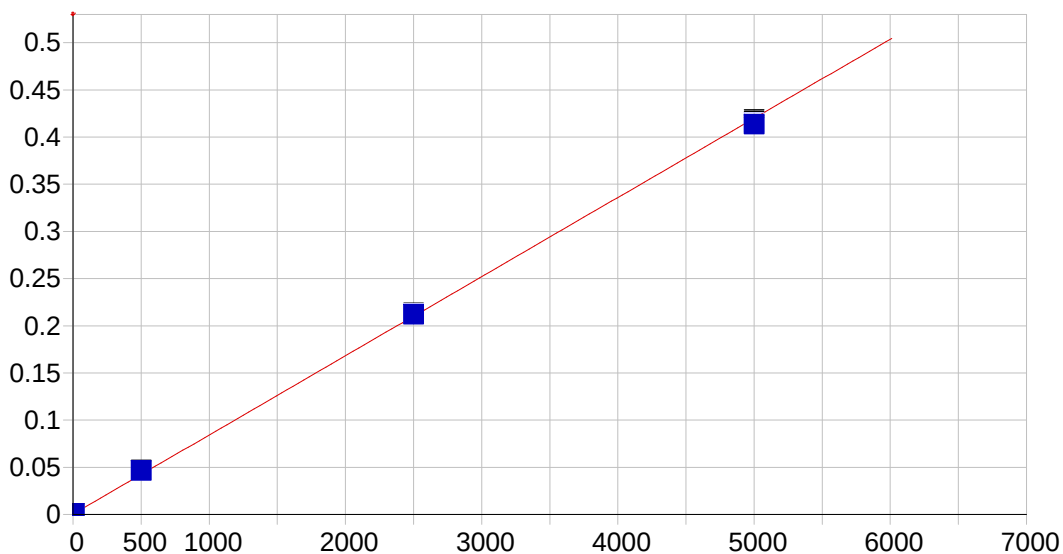


Se 196.090 {472}

Date of Fit: 9/24/2012 18:17:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000045 Re-Slope: 1.000000
 A1 (Gain): 0.000085 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999825 Status: OK.
 Std Error of Est: 0.000013
 Predicted MDL: 2.794948
 Predicted MQL: 9.316494

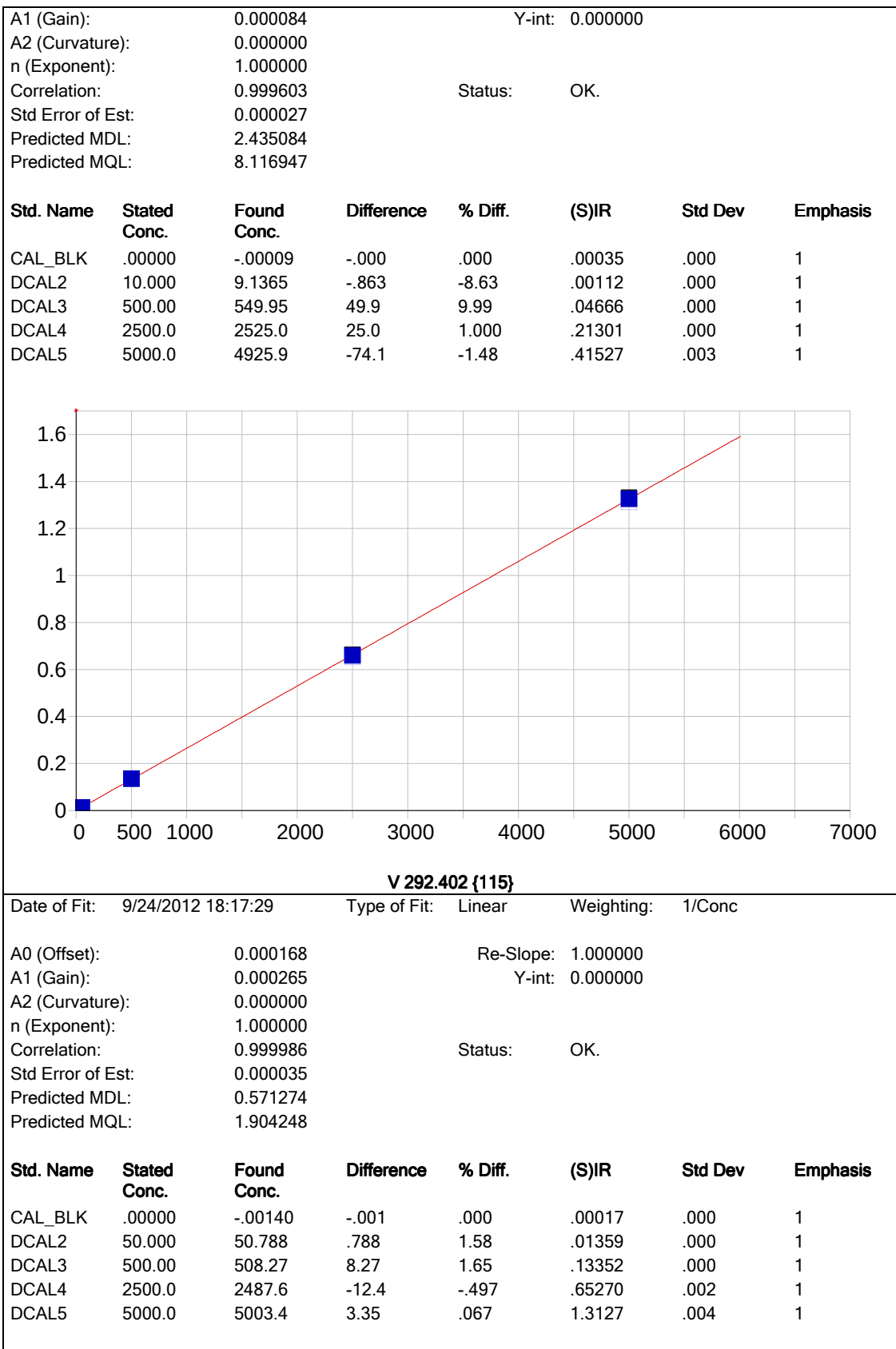
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00147	.001	.000	.00005	.000	1
DCAL2	5.0000	3.7144	-1.29	-25.7	.00035	.000	1
DCAL3	500.00	485.60	-14.4	-2.88	.04124	.000	1
DCAL4	2500.0	2447.5	-52.5	-2.10	.20767	.001	1
DCAL5	5000.0	5068.1	68.1	1.36	.43003	.003	1

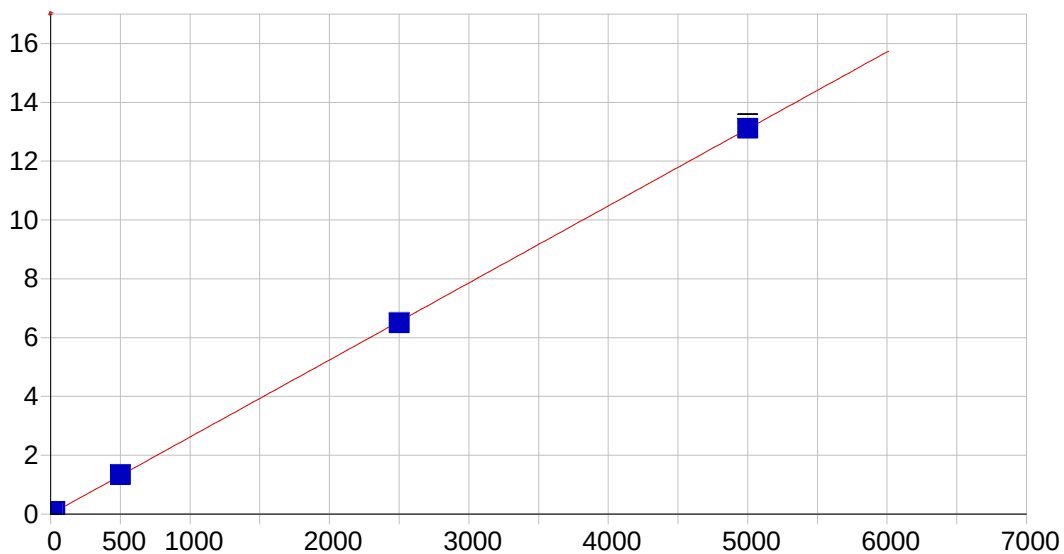


TI 190.856 {477}

Date of Fit: 9/24/2012 18:17:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000351 Re-Slope: 1.000000



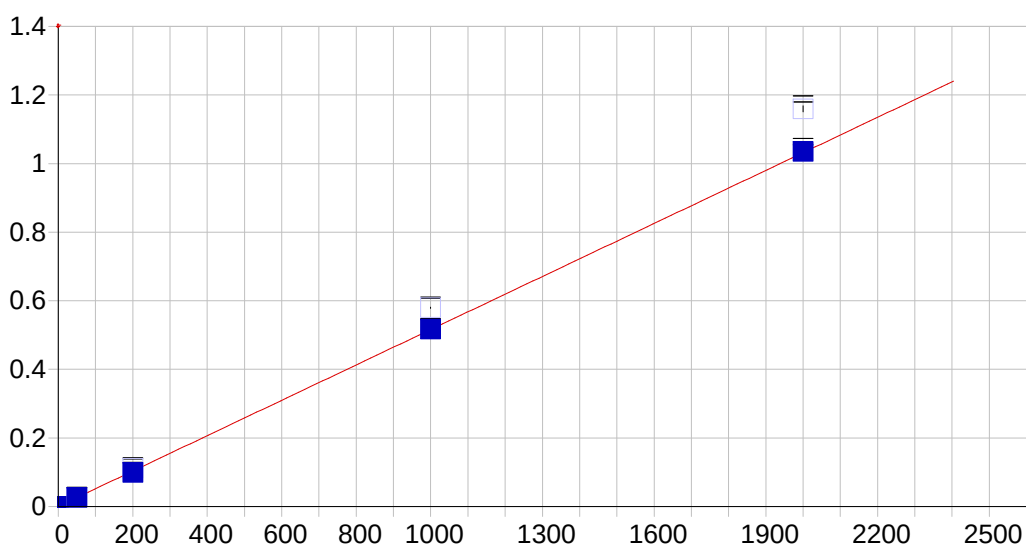


Zn 206.200 {463}

Date of Fit: 9/24/2012 18:17:29 Type of Fit: Linear Weighting: 1/Conc

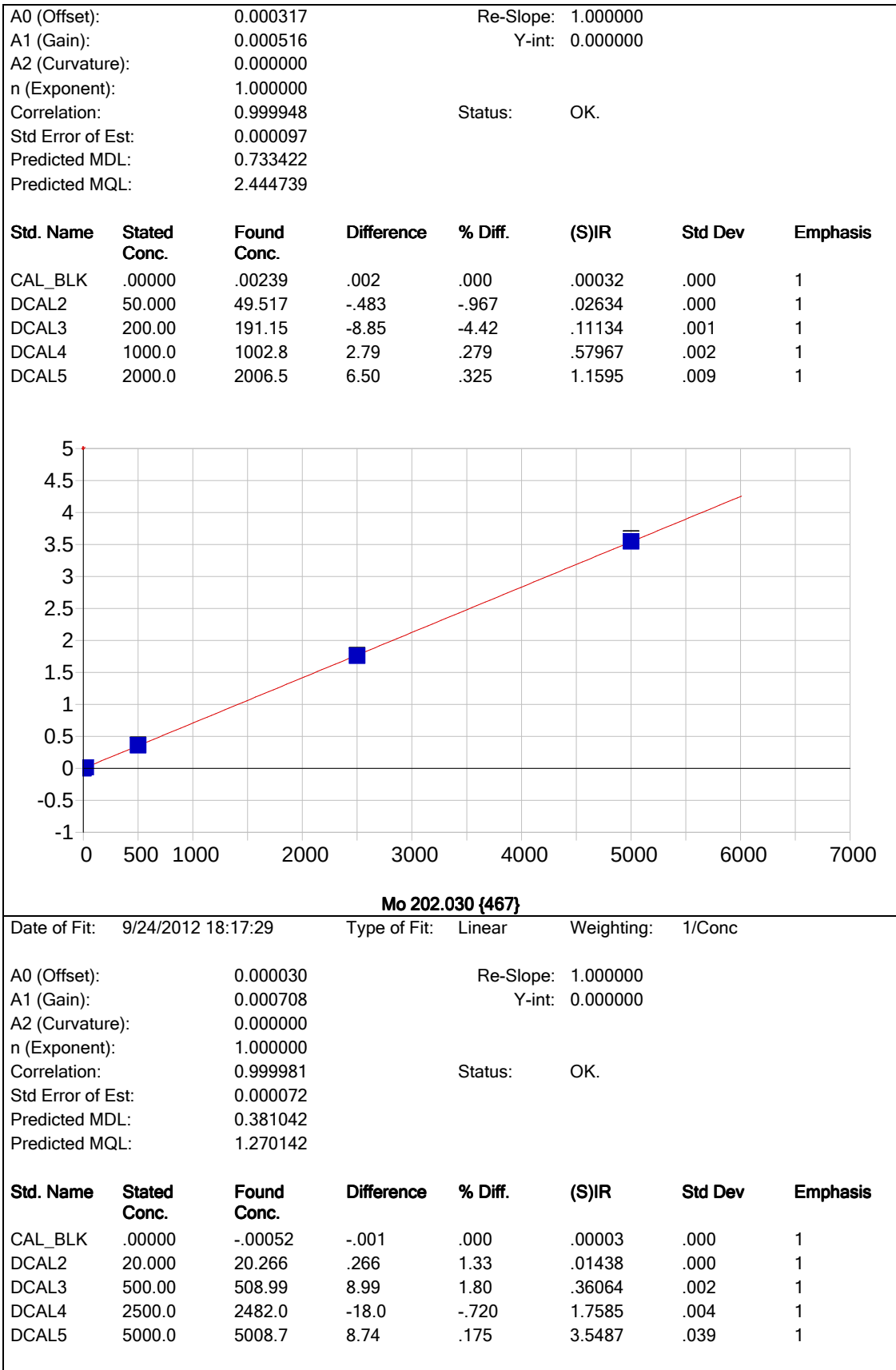
A0 (Offset): 0.001522 Re-Slope: 1.000000
 A1 (Gain): 0.002619 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999972 Status: OK.
 Std Error of Est: 0.000216
 Predicted MDL: 0.135233
 Predicted MQL: 0.450778

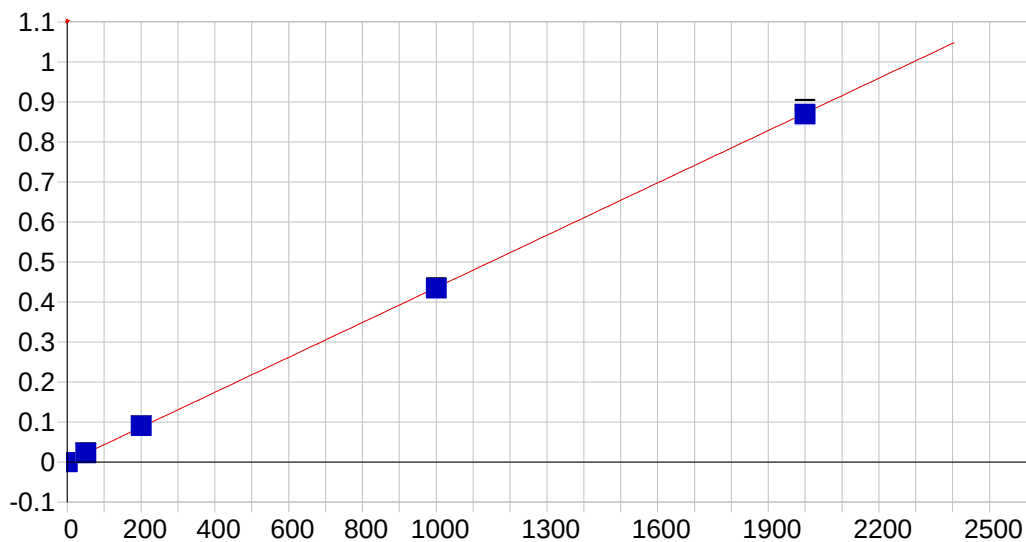
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00032	-.000	.000	.00152	.000	1
DCAL2	30.000	30.917	.917	3.06	.08252	.001	1
DCAL3	500.00	511.53	11.5	2.31	1.3427	.010	1
DCAL4	2500.0	2480.8	-19.2	-.770	6.5061	.014	1
DCAL5	5000.0	5007.0	6.95	.139	13.130	.142	1
DCAL1	10.000	9.8482	-.152	-1.52	.02732	.000	1



B 208.959 {461}

Date of Fit: 9/24/2012 18:17:29 Type of Fit: Linear Weighting: 1/Conc



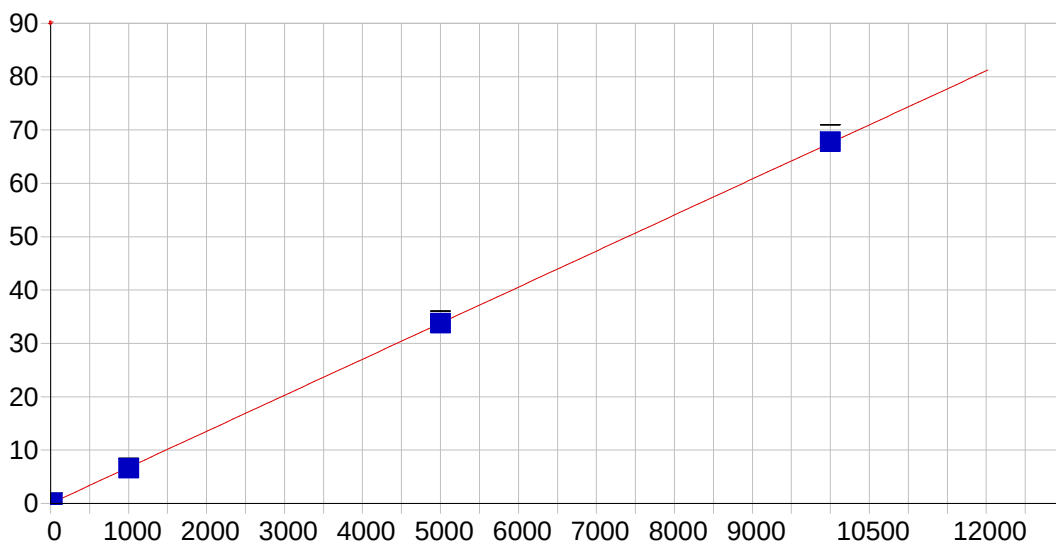


Sn 189.989 {477}

Date of Fit: 9/24/2012 18:17:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000079 Re-Slope: 1.000000
 A1 (Gain): 0.000436 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999943 Status: OK.
 Std Error of Est: 0.000076
 Predicted MDL: 0.555008
 Predicted MQL: 1.850028

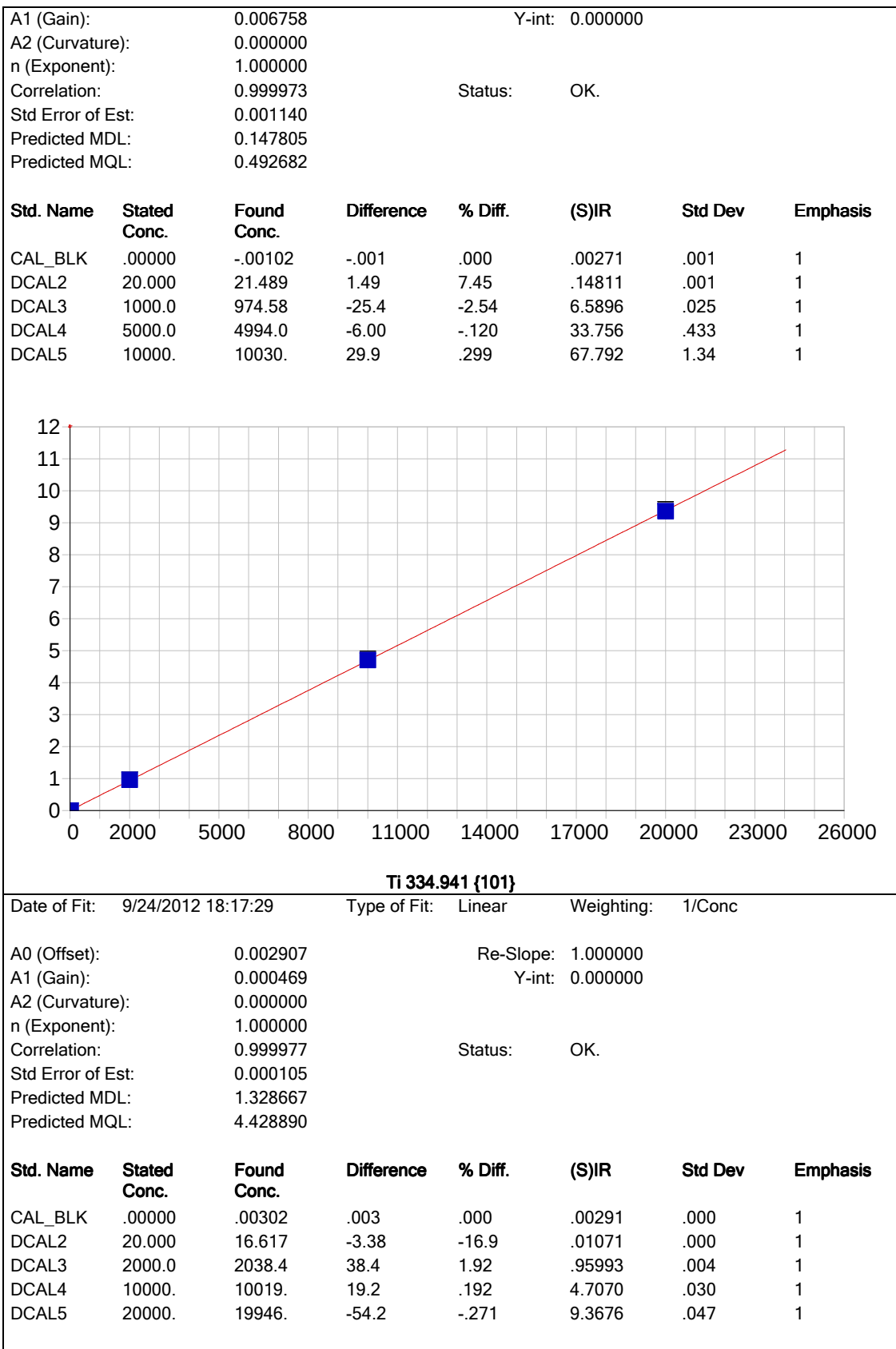
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00342	-.003	.000	-.00008	.000	1
DCAL2	50.000	51.902	1.90	3.80	.02255	.000	1
DCAL3	200.00	207.33	7.33	3.67	.09009	.001	1
DCAL4	1000.0	996.77	-3.23	-.323	.43336	.001	1
DCAL5	2000.0	1994.0	-6.01	-.301	.86698	.012	1

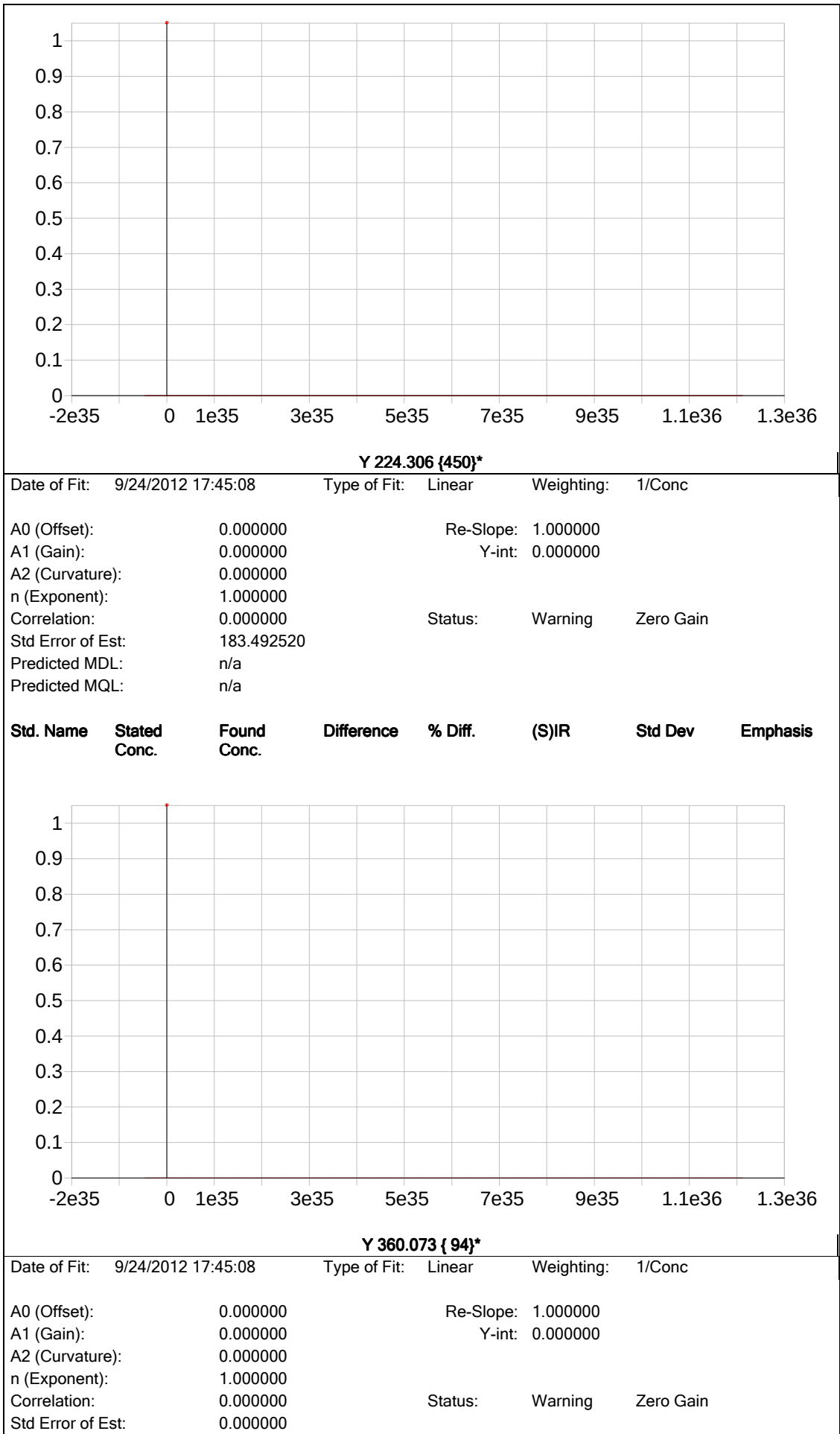


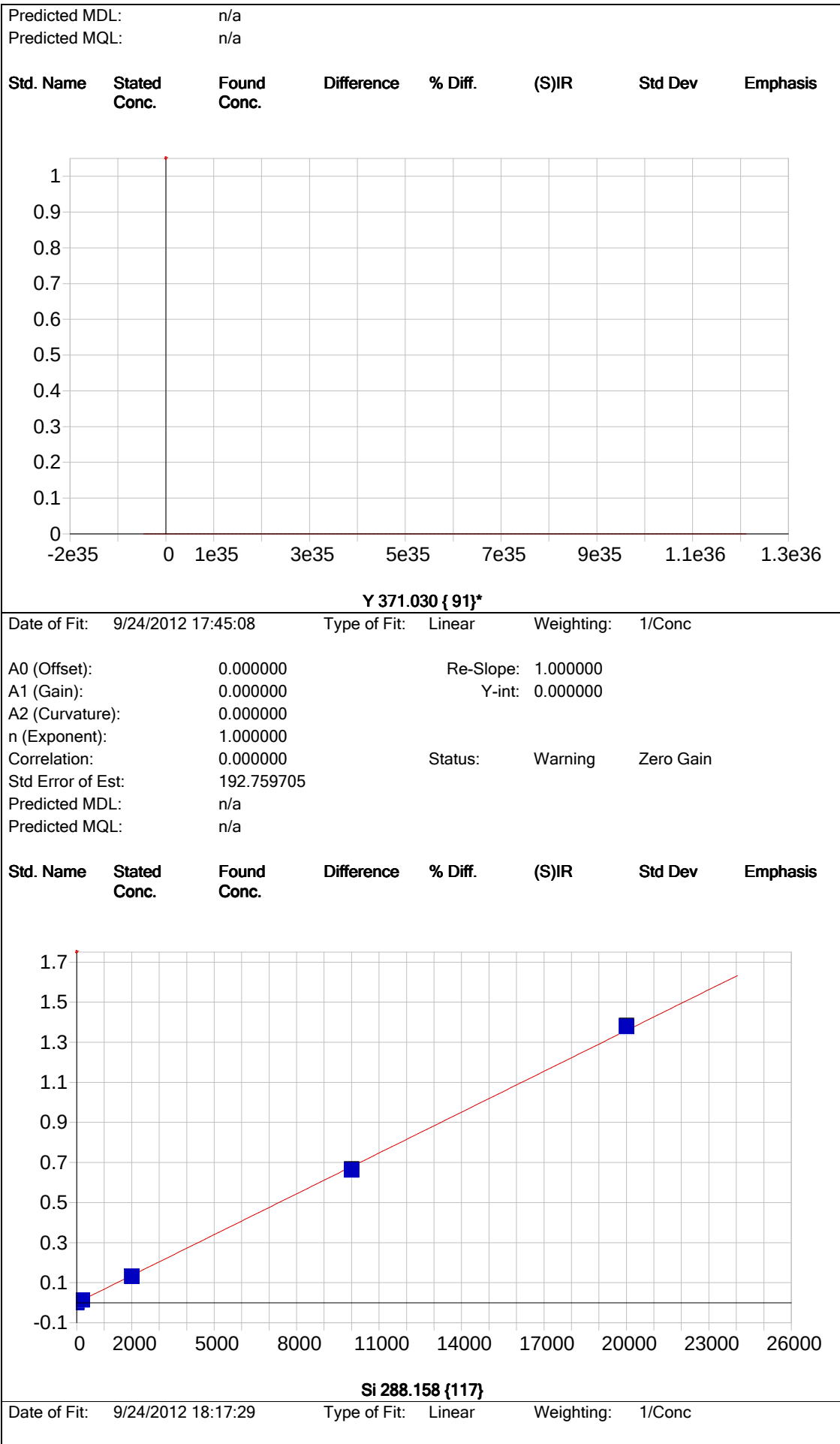
Sr 407.771 {83}

Date of Fit: 9/24/2012 18:17:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002714 Re-Slope: 1.000000







A0 (Offset):	0.000235	Re-Slope:	1.000000
A1 (Gain):	0.000068	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999809	Status:	OK.
Std Error of Est:	0.000137		
Predicted MDL:	15.762329		
Predicted MQL:	52.541095		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.01088	.011	.000	.00024	.000	1
DCAL2	200.00	196.93	-3.07	-1.54	.01361	.001	1
DCAL3	2000.0	1939.5	-60.5	-3.02	.13145	.001	1
DCAL4	10000.	9760.3	-240.	-2.40	.66056	.004	1
DCAL5	20000.	20303.	303.	1.52	1.3740	.004	1

Sample Name: CAL_BLK Acquired: 9/24/2012 17:52:15 Type: Cal
Method: SW846_092412 Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0049	.0002	-0.0003	-0.0002	-0.0006	.0003
Stddev	.0011	.0002	.0001	.0001	.0003	.0001
%RSD	22.83	116.4	23.16	64.97	52.96	26.91

#1	-0.0036	.0002	-0.0002	-0.0002	-0.0003	.0002
#2	-0.0056	-0.0000	-0.0003	-0.0004	-0.0006	.0003
#3	-0.0054	.0004	-0.0003	-0.0001	-0.0009	.0004

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_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0016	.0042	.0005	.0024	.0001	.0018
Stddev	.0005	.0000	.0000	.0001	.0001	.0014
%RSD	34.35	.9659	.4883	5.126	52.75	78.53

#1	-0.0010	.0042	.0005	.0023	.0000	.0032
#2	-0.0021	.0043	.0005	.0025	.0001	.0004
#3	-0.0015	.0042	.0005	.0024	.0002	.0018

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	-0.0000	.0000	-0.0045	.0005	-0.0006	.0006
Stddev	.0001	.0001	.0009	.0003	.0001	.0004
%RSD	782.7	188.0	19.83	63.83	17.11	65.24

#1	-0.0001	.0001	-0.0036	.0008	-0.0007	.0006
#2	.0001	.0000	-0.0054	.0003	-0.0006	.0010
#3	-0.0001	-0.0000	-0.0045	.0003	-0.0005	.0002

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	.0000	.0004	.0002	.0015	.0003	.0000
Stddev	.0002	.0003	.0000	.0003	.0002	.0001
%RSD	378.5	81.13	14.42	17.58	57.76	460.9

#1	-0.0001	.0005	.0002	.0017	.0001	-0.0001
#2	.0002	.0005	.0002	.0012	.0003	.0001
#3	.0001	.0000	.0001	.0016	.0005	.0001

Sample Name: CAL_BLK Acquired: 9/24/2012 17:52:15 Type: Cal
Method: SW846_092412 Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0001	.0027	.0029	.0002
Stddev	.0002	.0009	.0004	.0003
%RSD	202.9	33.69	12.20	113.3

#1	-.0001	.0028	.0026	.0001
#2	-.0003	.0018	.0033	.0000
#3	.0001	.0036	.0029	.0005

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	3373.0	48587.	7377.5
Stddev	11.0	168.	49.6
%RSD	.32585	.34538	.67194

#1	3361.0	48490.	7385.6
#2	3375.4	48490.	7422.6
#3	3382.6	48781.	7324.4

Sample Name: DCAL1 Acquired: 9/24/2012 17:56:35 Type: Cal
Method: SW846_092412 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_3710)	(Y_3600)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0038	.0009	.0055	.0273
Stddev	.0007	.0000	.0003	.0003
%RSD	18.47	1.736	5.032	1.145

#1	.0044	.0009	.0052	.0270
#2	.0038	.0009	.0057	.0276
#3	.0030	.0009	.0056	.0274

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	3378.5	48740.	7383.6
Stddev	23.9	109.	138.2
%RSD	.70601	.22418	1.8714

#1	3401.3	48831.	7272.8
#2	3380.5	48619.	7538.4
#3	3353.7	48771.	7339.6

Sample Name: 460-44765-c-2-d Acquired: 9/24/2012 19:00:03 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	217.8	.6335	.1881	145.3	.0402	34140.
Stddev	14.2	.5181	.2931	.3	.0390	244.
%RSD	6.516	81.78	155.9	.2375	96.89	.7133

#1	216.0	.5274	.0859	145.4	-.0043	34240.
#2	204.6	1.196	.5186	145.0	.0681	33860.
#3	232.8	.1766	-.0403	145.7	.0569	34320.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1106	.3741	.5318	-1.633	575.7	3896.
Stddev	.1873	.0851	.4236	1.292	12.4	9.
%RSD	169.3	22.74	79.66	79.13	2.145	.2348

#1	-.0784	.3549	.6636	-2.113	565.4	3891.
#2	.1141	.4671	.0580	-2.616	589.4	3907.
#3	.2961	.3002	.8739	-.1694	572.4	3891.

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	16930.	80.05	42110.	2.357	-.5344	-2.416
Stddev	26.	.24	93.	.326	1.071	1.553
%RSD	.1540	.3018	.2207	13.82	200.4	64.30

#1	16930.	80.16	42050.	2.510	-.5829	-1.381
#2	16950.	80.23	42220.	1.983	-1.580	-1.664
#3	16900.	79.78	42070.	2.579	.5598	-4.202

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-c-2-d Acquired: 9/24/2012 19:00:03 Type: Unk
Method: SW846_092412 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	.6516	.8793	1.080	55.75	23.63	.6866
Stddev	1.068	1.628	.028	.05	.74	.5051
%RSD	163.9	185.2	2.580	.0854	3.117	73.57
#1	1.251	1.426	1.086	55.80	23.36	.5275
#2	1.285	-.9519	1.104	55.74	24.46	.2802
#3	-.5812	2.164	1.049	55.70	23.06	1.252

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	.0973	212.1	7.763	5804.
Stddev	.5135	.5	.109	31.
%RSD	527.6	.2436	1.397	.5391
#1	.6620	211.7	7.889	5830.
#2	-.3418	212.7	7.697	5769.
#3	-.0282	211.9	7.705	5814.

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	3321.3	47345.	7511.8
Stddev	19.7	282.	70.1
%RSD	.59219	.59457	.93344
#1	3333.6	47513.	7592.0
#2	3331.6	47020.	7481.1
#3	3298.6	47503.	7462.2

Sample Name: DCAL2 Acquired: 9/24/2012 18:00:55 Type: Cal
Method: SW846_092412 Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0105	.0007	.0016	.2056	.0089	.1273
Stddev	.0003	.0003	.0001	.0022	.0002	.0007
%RSD	2.945	39.90	8.469	1.058	2.777	.5194

#1	.0104	.0006	.0017	.2048	.0086	.1270
#2	.0102	.0005	.0015	.2081	.0090	.1281
#3	.0108	.0010	.0015	.2040	.0090	.1269

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_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0089	.0915	.0024	.0067	.0014	.2883
Stddev	.0002	.0019	.0001	.0004	.0001	.0004
%RSD	2.165	2.050	4.599	6.006	6.518	.1433

#1	.0087	.0916	.0025	.0063	.0014	.2878
#2	.0090	.0933	.0023	.0068	.0013	.2886
#3	.0091	.0896	.0023	.0070	.0014	.2884

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	.1355	.0164	.8068	.0198	.0012	.0020
Stddev	.0048	.0005	.0024	.0001	.0003	.0001
%RSD	3.529	3.248	.3001	.3860	22.17	3.733

#1	.1407	.0170	.8045	.0197	.0009	.0021
#2	.1314	.0160	.8093	.0198	.0014	.0019
#3	.1343	.0163	.8065	.0199	.0013	.0020

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	.0004	.0011	.0136	.0825	.0263	.0144
Stddev	.0003	.0002	.0004	.0012	.0004	.0004
%RSD	76.43	13.43	2.972	1.494	1.395	2.464

#1	.0004	.0012	.0141	.0820	.0261	.0147
#2	.0001	.0009	.0133	.0839	.0268	.0140
#3	.0006	.0012	.0134	.0816	.0261	.0143

Sample Name: DCAL2 Acquired: 9/24/2012 18:00:55 Type: Cal
Method: SW846_092412 Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0226	.1481	.0107	.0136
Stddev	.0001	.0009	.0004	.0005
%RSD	.6170	.6010	3.627	3.736

#1	.0226	.1476	.0111	.0130
#2	.0227	.1491	.0107	.0140
#3	.0224	.1476	.0103	.0137

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	3364.4	47616.	7343.6
Stddev	20.0	1155.	45.2
%RSD	.59461	2.4254	.61526

#1	3387.5	46423.	7395.4
#2	3353.2	48729.	7312.3
#3	3352.5	47695.	7323.1

Sample Name: DCAL3 Acquired: 9/24/2012 18:05:11 Type: Cal
Method: SW846_092412 Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.685	.0710	.0456	2.050	.8696	.6380
Stddev	.010	.0006	.0001	.016	.0044	.0062
%RSD	.5922	.8520	.2880	.7635	.5029	.9730

#1	1.677	.0704	.0457	2.034	.8668	.6320
#2	1.681	.0716	.0455	2.052	.8674	.6376
#3	1.696	.0712	.0458	2.065	.8747	.6444

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_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.6469	.8730	.1698	.3784	.1554	.5656
Stddev	.0050	.0063	.0008	.0012	.0004	.0049
%RSD	.7793	.7267	.4596	.3255	.2748	.8649

#1	.6421	.8665	.1690	.3773	.1549	.5599
#2	.6463	.8732	.1704	.3781	.1556	.5688
#3	.6522	.8792	.1701	.3797	.1557	.5680

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	.6485	1.020	3.951	.2381	.4312	.0287
Stddev	.0020	.002	.017	.0016	.0038	.0002
%RSD	.3108	.2275	.4239	.6740	.8769	.7399

#1	.6463	1.017	3.939	.2367	.4273	.0289
#2	.6491	1.020	3.944	.2377	.4315	.0287
#3	.6502	1.022	3.970	.2399	.4349	.0284

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	.0412	.0467	.1335	1.343	.1113	.3606
Stddev	.0002	.0003	.0001	.010	.0012	.0018
%RSD	.4349	.6561	.0945	.7449	1.084	.5088

#1	.0411	.0464	.1334	1.333	.1100	.3589
#2	.0412	.0466	.1336	1.342	.1117	.3605
#3	.0414	.0470	.1336	1.353	.1123	.3625

Sample Name: DCAL3 Acquired: 9/24/2012 18:05:11 Type: Cal
Method: SW846_092412 Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0901	6.590	.9599	.1314
Stddev	.0005	.025	.0041	.0012
%RSD	.5589	.3835	.4300	.8819

#1	.0895	6.579	.9566	.1315
#2	.0905	6.571	.9586	.1302
#3	.0903	6.618	.9646	.1326

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	3272.0	46666.	7291.0
Stddev	27.1	75.	67.7
%RSD	.82697	.15979	.92803

#1	3298.6	46747.	7363.6
#2	3272.7	46652.	7279.9
#3	3244.5	46600.	7229.7

Sample Name: 460-44945-f-1-a Acquired: 9/24/2012 20:23:39 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	175.1	16.90	.1037	316.6	-.0225	166500.
Stddev	4.1	.79	1.079	1.2	.1111	931.
%RSD	2.349	4.648	1040.	.3637	493.4	.5591
#1	177.0	16.13	.1903	316.1	.1054	166400.
#2	177.9	16.86	-1.016	317.9	-.0784	167500.
#3	170.3	17.70	1.137	315.8	-.0946	165700.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2721	35.96	45.77	.6639	33850.	42810.
Stddev	.1279	1.02	.91	3.954	191.	113.
%RSD	47.00	2.844	1.983	595.6	.5650	.2649
#1	.2866	36.28	46.80	-1.350	34070.	42790.
#2	.3922	36.78	45.42	-1.878	33730.	42930.
#3	.1376	34.81	45.09	5.220	33750.	42710.

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	187200.	869.6	229100.	25.05	-.4566	-2.081
Stddev	1028.	4.6	770.	.77	.2457	.627
%RSD	.5489	.5251	.3360	3.094	53.82	30.12
#1	188300.	874.7	229700.	24.39	-.7186	-2.752
#2	186300.	865.8	229400.	25.90	-.2313	-1.980
#3	187000.	868.4	228300.	24.86	-.4198	-1.511

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44945-f-1-a Acquired: 9/24/2012 20:23:39 Type: Unk
Method: SW846_092412 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	5.553	-3.565	13.03	6.228	513.8	1.899
Stddev	2.272	.746	.10	.112	1.2	.152
%RSD	40.90	20.93	.7969	1.792	.2321	7.982
#1	6.654	-3.959	13.13	6.270	512.4	2.027
#2	7.066	-4.031	12.93	6.311	514.3	1.732
#3	2.941	-2.705	13.03	6.101	514.6	1.939

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	.5249	1317.	16.37	19550.
Stddev	.6831	1.	.34	32.
%RSD	130.1	.0664	2.085	.1625
#1	.3026	1317.	16.54	19580.
#2	-.0194	1319.	16.59	19560.
#3	1.291	1317.	15.98	19510.

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	3081.9	43211.	7288.6
Stddev	6.4	404.	19.8
%RSD	.20622	.93563	.27100
#1	3086.9	42907.	7311.1
#2	3074.8	43669.	7274.3
#3	3084.0	43056.	7280.3

Sample Name: DCAL4 Acquired: 9/24/2012 18:09:15 Type: Cal
Method: SW846_092412 Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8.389	.3623	.2286	9.840	4.427	3.187
Stddev	.048	.0009	.0006	.017	.025	.035
%RSD	.5666	.2513	.2663	.1742	.5770	1.093

#1	8.345	.3615	.2280	9.838	4.403	3.226
#2	8.382	.3622	.2292	9.859	4.425	3.178
#3	8.439	.3633	.2287	9.825	4.453	3.158

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_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.146	4.157	.8630	1.937	.7512	2.763
Stddev	.005	.007	.0035	.011	.0019	.013
%RSD	.1595	.1712	.4035	.5426	.2572	.4631

#1	3.143	4.154	.8590	1.926	.7491	2.753
#2	3.152	4.164	.8657	1.937	.7530	2.758
#3	3.143	4.151	.8642	1.947	.7516	2.777

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	3.158	5.064	18.62	1.133	2.119	.1411
Stddev	.016	.017	.07	.003	.001	.0008
%RSD	.5155	.3338	.4011	.2401	.0403	.5667

#1	3.139	5.045	18.56	1.133	2.118	.1406
#2	3.168	5.078	18.61	1.135	2.120	.1421
#3	3.168	5.069	18.71	1.130	2.119	.1408

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	.2077	.2130	.6527	6.506	.5797	1.759
Stddev	.0011	.0003	.0024	.014	.0017	.004
%RSD	.5060	.1371	.3623	.2180	.2855	.2202

#1	.2068	.2129	.6500	6.498	.5778	1.758
#2	.2073	.2133	.6544	6.522	.5809	1.763
#3	.2088	.2128	.6537	6.498	.5803	1.755

Sample Name: DCAL4 Acquired: 9/24/2012 18:09:15 Type: Cal
Method: SW846_092412 Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4334	33.76	4.707	.6606
Stddev	.0008	.43	.029	.0038
%RSD	.1801	1.282	.6268	.5734

#1	.4335	33.72	4.676	.6566
#2	.4341	33.34	4.710	.6608
#3	.4325	34.21	4.735	.6642

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	3084.2	43766.	7177.5
Stddev	13.2	187.	13.8
%RSD	.42936	.42729	.19183

#1	3073.7	43950.	7172.2
#2	3079.8	43771.	7167.2
#3	3099.1	43576.	7193.1

Sample Name: DCAL5 Acquired: 9/24/2012 18:13:20 Type: Cal
Method: SW846_092412 Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	16.90	.7508	.4664	19.65	8.779	6.489
Stddev	.10	.0056	.0020	.18	.046	.020
%RSD	.5670	.7431	.4185	.9333	.5283	.3078

#1	16.95	.7567	.4666	19.84	8.801	6.507
#2	16.96	.7498	.4643	19.65	8.811	6.467
#3	16.79	.7457	.4682	19.47	8.726	6.492

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_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.324	8.340	1.719	3.876	1.491	5.491
Stddev	.066	.097	.003	.020	.003	.050
%RSD	1.041	1.160	.1658	.5261	.2097	.9055

#1	6.389	8.434	1.718	3.887	1.494	5.533
#2	6.324	8.346	1.716	3.889	1.488	5.504
#3	6.257	8.241	1.722	3.853	1.492	5.436

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	6.285	9.980	35.29	2.273	4.230	.2903
Stddev	.014	.046	.21	.024	.028	.0032
%RSD	.2190	.4644	.6084	1.068	.6687	1.091

#1	6.297	10.03	35.46	2.296	4.260	.2932
#2	6.270	9.966	35.35	2.276	4.226	.2907
#3	6.288	9.942	35.05	2.247	4.204	.2870

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	.4300	.4153	1.313	13.13	1.160	3.549
Stddev	.0027	.0030	.004	.14	.009	.039
%RSD	.6176	.7242	.2775	1.082	.7805	1.108

#1	.4330	.4186	1.312	13.27	1.169	3.583
#2	.4294	.4145	1.309	13.13	1.158	3.557
#3	.4278	.4127	1.317	12.99	1.151	3.506

Sample Name: DCAL5 Acquired: 9/24/2012 18:13:20 Type: Cal
Method: SW846_092412 Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.8670	67.79	9.368	1.374
Stddev	.0118	1.34	.047	.004
%RSD	1.363	1.976	.5041	.2693

#1	.8768	68.23	9.384	1.378
#2	.8702	66.29	9.404	1.371
#3	.8539	68.86	9.314	1.372

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	2911.5	42015.	7096.6
Stddev	10.5	16.	14.5
%RSD	.35911	.03811	.20406

#1	2900.1	42007.	7092.1
#2	2920.5	42005.	7084.9
#3	2914.1	42034.	7112.8

Sample Name: CCV Acquired: 9/24/2012 18:17:35 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122300.	2424.	1225.	9810.	986.2	123200.
Stddev	1682.	4.	10.	9.	13.3	459.
%RSD	1.375	.1790	.8037	.0961	1.350	.3725

#1	122000.	2425.	1230.	9800.	986.0	123200.
#2	120800.	2427.	1232.	9818.	972.9	123600.
#3	124100.	2419.	1214.	9812.	999.5	122700.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1228.	2444.	4999.	12360.	99650.	49580.
Stddev	2.	4.	49.	161.	825.	705.
%RSD	.1433	.1661	.9778	1.305	.8279	1.422

#1	1227.	2441.	5015.	12340.	100000.	49410.
#2	1229.	2449.	5038.	12210.	100200.	48970.
#3	1226.	2442.	4944.	12530.	98710.	50350.

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	124100.	5030.	126700.	2461.	7476.	974.4
Stddev	1020.	44.	1634.	3.	7.	5.4
%RSD	.8220	.8668	1.290	.1235	.0893	.5532

#1	124600.	5048.	126600.	2464.	7479.	973.9
#2	124800.	5062.	125100.	2461.	7481.	980.0
#3	122900.	4980.	128300.	2458.	7469.	969.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/24/2012 18:17:35 Type: QC
Method: SW846_092412 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	2408.	2493.	2461.	2425.	969.4	2461.
Stddev	8.	4.	25.	4.	1.1	5.
%RSD	.3419	.1495	1.033	.1540	.1132	.2161
#1	2417.	2490.	2471.	2422.	969.0	2465.
#2	2405.	2497.	2480.	2429.	970.6	2463.
#3	2401.	2493.	2432.	2423.	968.5	2455.

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	985.2	4956.	9940.	9574.
Stddev	3.1	105.	130.	8.
%RSD	.3107	2.122	1.312	.0819
#1	985.7	5040.	9941.	9583.
#2	988.0	4838.	9808.	9568.
#3	981.9	4990.	10070.	9570.

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	3068.0	43496.	7178.9
Stddev	12.7	236.	113.3
%RSD	.41330	.54175	1.5783
#1	3078.3	43384.	7220.6
#2	3071.9	43337.	7265.3
#3	3053.9	43767.	7050.6

Sample Name: CCB Acquired: 9/24/2012 18:21:41 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.726	-1.614	.0382	-.0579	.0085	-1.714
Stddev	26.06	3.272	.4558	.1816	.0184	5.589
%RSD	298.7	202.7	1192.	313.9	217.9	326.1
#1	-3.593	-5.266	.4220	-.0574	.0294	1.273
#2	38.66	-.6276	-.4656	.1235	.0012	1.747
#3	-8.890	1.051	.1583	-.2397	-.0052	-8.161

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0272	.1112	.2269	-1.538	-2.521	196.8
Stddev	.1246	.1095	.4635	1.989	5.927	55.2
%RSD	458.2	98.46	204.2	129.3	235.1	28.05
#1	-.1151	.2337	-.1083	-3.673	-6.457	259.4
#2	.0800	.0770	.7559	.2613	4.296	155.1
#3	.1167	.0229	.0333	-1.202	-5.402	175.9

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	2.237	.0323	98.00	.2826	.9306	-2.071
Stddev	3.167	.1537	30.16	.2719	.8221	1.076
%RSD	141.6	475.7	30.77	96.21	88.34	51.94
#1	.1444	.2063	132.8	.5683	1.802	-3.197
#2	.6865	-.0247	80.34	.2526	.8216	-1.962
#3	5.881	-.0847	80.83	.0269	.1685	-1.054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/24/2012 18:21:41 Type: QC
Method: SW846_092412 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	.8713	.6204	-.1688	-.2437	3.014	1.327
Stddev	4.767	.8111	.2839	.1412	.993	.432
%RSD	547.1	130.7	168.2	57.94	32.95	32.55

#1	-1.582	1.480	-.4244	-.0807	4.143	1.809
#2	6.366	.5137	.1367	-.3282	2.627	.9753
#3	-2.170	-.1321	-.2187	-.3221	2.273	1.197

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	-.4711	.2678	-.3898	-.6546
Stddev	.7782	.2911	1.695	18.75
%RSD	165.2	108.7	434.9	2864.

#1	.3882	.5882	.3088	-.4889
#2	-1.128	.0197	.8446	18.01
#3	-.6729	.1954	-2.323	-19.48

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	3360.0	48489.	7351.1
Stddev	8.2	237.	36.7
%RSD	.24287	.48960	.49967

#1	3357.8	48738.	7358.4
#2	3369.1	48462.	7383.6
#3	3353.2	48266.	7311.2

Sample Name: IC5A 1552029 Acquired: 9/24/2012 18:26:01 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	516700.	-5.391	-1.002	-6111	-0752	480600.
Stddev	8336.	1.396	.711	.6663	.0824	2125.
%RSD	1.613	25.90	71.00	109.0	109.6	.4421

#1	510100.	-4.846	-1.801	-.6981	.0187	478500.
#2	513800.	-6.977	-.4383	-1.230	-.1357	480500.
#3	526100.	-4.349	-.7659	.0945	-.1086	482800.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6591	-.2040	-.4977	-1.286	200500.	523.3
Stddev	.9286	.3929	.8976	1.474	2579.	120.4
%RSD	140.9	192.6	180.3	114.6	1.286	23.01

#1	-.4832	.2476	.5045	.1913	202400.	623.4
#2	.1690	-.3922	-.7702	-2.756	197600.	556.8
#3	-1.663	-.4674	-1.228	-1.293	201600.	389.7

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	505900.	-.6825	92.17	-.3981	.3323	-2.393
Stddev	9265.	.1403	27.24	.6729	3.943	2.945
%RSD	1.831	20.56	29.56	169.0	1186.	123.1

#1	511600.	-.8402	80.07	.1903	.0582	-5.261
#2	495200.	-.6361	123.4	-1.132	-3.466	-2.541
#3	510800.	-.5713	73.07	-.2527	4.405	.6227

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: IC5A 1552029 Acquired: 9/24/2012 18:26:01 Type: QC
Method: SW846_092412 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	3.598	-4.126	.8061	-.3552	.1794	-.7330
Stddev	2.427	1.251	.2604	.0922	.2341	.2672
%RSD	67.45	30.33	32.31	25.95	130.5	36.45
#1	1.411	-4.089	.9190	-.2548	.4460	-.5503
#2	3.175	-5.395	.5083	-.3748	.0074	-1.040
#3	6.209	-2.893	.9911	-.4360	.0847	-.6090

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	-3.093	-.1590	-3.382	2.534
Stddev	.531	.0623	.101	2.739
%RSD	17.16	39.18	2.974	108.1
#1	-3.227	-.2200	-3.384	5.476
#2	-3.544	-.1614	-3.482	2.068
#3	-2.508	-.0955	-3.281	.0573

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	3003.3	41608.	7019.7
Stddev	13.3	705.	143.7
%RSD	.44258	1.6956	2.0466
#1	3005.8	41294.	7131.0
#2	3015.2	42416.	7070.5
#3	2988.9	41114.	6857.5

Sample Name: ICSAB 1604491 Acquired: 9/24/2012 18:30:29 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	504900.	90.26	102.1	96.01	100.5	474400.
Stddev	5741.	2.58	1.0	.93	.5	6371.
%RSD	1.137	2.852	.9562	.9730	.5102	1.343

#1	503700.	93.20	103.3	96.19	100.1	480700.
#2	511100.	89.14	101.6	96.84	100.3	474500.
#3	499800.	88.43	101.5	95.00	101.1	467900.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	94.62	93.50	98.47	99.81	200000.	11010.
Stddev	1.50	1.31	.18	3.38	1951.	64.
%RSD	1.581	1.399	.1864	3.382	.9752	.5788

#1	95.30	94.22	98.27	99.66	202300.	10940.
#2	95.66	94.30	98.55	103.3	199000.	11060.
#3	92.91	91.99	98.61	96.52	198800.	11020.

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	498400.	100.8	11050.	93.68	92.17	90.72
Stddev	4735.	.8	39.	1.50	.99	5.55
%RSD	.9499	.8320	.3540	1.602	1.077	6.119

#1	503400.	101.7	11000.	93.96	93.31	89.67
#2	497800.	100.3	11060.	95.01	91.67	96.73
#3	494000.	100.2	11080.	92.05	91.52	85.78

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1604491 Acquired: 9/24/2012 18:30:29 Type: QC
Method: SW846_092412 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	98.99	90.79	99.42	93.91	92.76	95.09
Stddev	3.91	2.87	.42	1.52	1.45	1.90
%RSD	3.954	3.161	.4218	1.623	1.559	1.995
#1	100.0	91.96	99.86	94.54	94.36	96.59
#2	94.65	87.52	99.36	95.02	92.37	95.71
#3	102.3	92.88	99.03	92.18	91.55	92.96

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	89.80	102.1	91.57	51.24
Stddev	2.72	.5	.73	13.01
%RSD	3.032	.4501	.7983	25.39
#1	91.96	102.0	92.32	59.80
#2	90.70	101.7	90.86	36.27
#3	86.74	102.6	91.52	57.66

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	3007.3	41578.	7024.3
Stddev	6.5	170.	54.6
%RSD	.21671	.40945	.77735
#1	3000.1	41437.	7085.8
#2	3012.8	41767.	6981.8
#3	3008.9	41530.	7005.2

Sample Name: INT-10 1717509 Acquired: 9/24/2012 18:34:51 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6431	1.292	-5.357	-2.316	-2.602	15.42
Stddev	17.00	.805	1.001	.172	.124	10.85
%RSD	2644.	62.32	18.68	7.408	4.779	70.36
#1	16.71	1.949	-6.369	-2.372	-2.537	27.37
#2	-17.27	.3937	-5.333	-2.453	-2.745	6.182
#3	-1.370	1.532	-4.368	-2.124	-2.523	12.71

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4385	10750.	10170.	-.9420	-41.61	135.4
Stddev	.0881	341.	82.	2.181	29.30	6.3
%RSD	20.10	3.177	.8024	231.6	70.43	4.687
#1	-.4729	10870.	10080.	-2.918	-59.23	134.2
#2	-.3384	11010.	10230.	1.399	-57.81	129.7
#3	-.5043	10360.	10200.	-1.307	-7.781	142.2

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	-3.847	10220.	43.96	10670.	-3.413	-6.048
Stddev	8.707	83.	18.64	345.	.585	5.300
%RSD	226.3	.8087	42.41	3.233	17.14	87.64
#1	6.052	10220.	40.42	10800.	-4.084	-3.004
#2	-7.277	10300.	64.11	10930.	-3.149	-2.972
#3	-10.32	10130.	27.33	10280.	-3.007	-12.17

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10 1717509 Acquired: 9/24/2012 18:34:51 Type: QC
Method: SW846_092412 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	1.547	.6356	4844.	-3.857	-8.431	5077.
Stddev	1.581	2.178	45.	.160	1.137	171.
%RSD	102.2	342.7	.9225	4.139	13.49	3.359
#1	.8836	2.922	4792.	-3.966	-8.906	5139.
#2	.4065	.4000	4868.	-3.931	-9.253	5208.
#3	3.352	-1.415	4871.	-3.674	-7.133	4884.

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	10390.	10050.	9863.	9856.
Stddev	377.	46.	83.	114.
%RSD	3.629	.4596	.8385	1.156
#1	10540.	10050.	9957.	9728.
#2	10670.	10010.	9827.	9896.
#3	9959.	10100.	9804.	9945.

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	3246.7	48817.	7498.2
Stddev	16.5	235.	62.2
%RSD	.50906	.48193	.82969
#1	3262.8	49060.	7437.6
#2	3229.8	48800.	7495.2
#3	3247.5	48590.	7561.9

Sample Name: 460-44765-c-1-g du Acquired: 9/24/2012 18:39:18 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54.63	-.9421	-.2227	145.4	.0349	36800.
Stddev	15.82	1.238	.2223	.3	.0360	440.
%RSD	28.96	131.4	99.80	.1972	103.0	1.196

#1	71.45	.4669	.0121	145.1	.0275	36440.
#2	40.05	-1.857	-.4299	145.5	.0033	36670.
#3	52.38	-1.436	-.2505	145.7	.0741	37290.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1505	.3842	.4590	1.242	364.5	3966.
Stddev	.1484	.2998	.2366	1.782	4.6	19.
%RSD	98.61	78.04	51.56	143.5	1.269	.4774

#1	.1218	.7040	.4677	3.129	361.2	3947.
#2	.0185	.3388	.6911	1.006	362.5	3967.
#3	.3111	.1096	.2181	-.4106	369.8	3985.

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	17780.	56.02	41850.	1.924	-.0077	-1.339
Stddev	115.	.18	169.	.487	.7096	3.048
%RSD	.6487	.3203	.4032	25.33	9261.	227.7

#1	17660.	55.83	41690.	1.461	-.2446	2.175
#2	17800.	56.05	41830.	1.878	.7900	-3.275
#3	17890.	56.19	42020.	2.433	-.5685	-2.917

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-c-1-g du Acquired: 9/24/2012 18:39:18 Type: Unk
Method: SW846_092412 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	.7871	-2.183	.0670	34.53	25.73	2.930
Stddev	2.592	2.406	.2627	.15	.32	.914
%RSD	329.3	110.3	392.0	.4457	1.230	31.21
#1	1.971	-3.682	-.1831	34.40	25.62	3.974
#2	2.576	.5932	.0435	34.48	25.48	2.547
#3	-2.186	-3.459	.3406	34.70	26.09	2.269

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	.1340	222.6	1.725	5722.
Stddev	.4452	.9	1.343	49.
%RSD	332.2	.3932	77.84	.8512
#1	.5246	221.9	3.177	5676.
#2	-.3507	222.4	1.471	5717.
#3	.2282	223.6	.5275	5773.

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	3311.8	47495.	7497.7
Stddev	22.3	261.	11.4
%RSD	.67286	.54957	.15257
#1	3311.9	47782.	7510.9
#2	3334.1	47272.	7491.2
#3	3289.5	47432.	7491.0

Sample Name: 460-44765-c-1-f Acquired: 9/24/2012 18:43:31 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58.43	-1.792	.3937	137.2	-.1737	34780.
Stddev	18.36	.891	.1487	1.2	.1038	52.
%RSD	31.43	49.74	37.77	.8975	59.78	.1484
#1	47.70	-.7810	.2252	137.6	-.0555	34730.
#2	47.95	-2.465	.5068	138.1	-.2504	34830.
#3	79.63	-2.129	.4490	135.8	-.2151	34790.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1025	.4067	.2369	-1.331	330.5	3784.
Stddev	.0626	.2443	.8497	2.223	10.2	25.
%RSD	61.06	60.06	358.7	167.1	3.087	.6568
#1	.1441	.2692	.6400	-3.040	321.9	3806.
#2	.1330	.2622	-.7393	1.183	327.8	3757.
#3	.0305	.6888	.8100	-2.136	341.7	3788.

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	16870.	53.18	39710.	1.809	.0445	-1.297
Stddev	43.	.14	67.	.331	1.606	2.148
%RSD	.2556	.2544	.1697	18.31	3606.	165.7
#1	16900.	53.10	39640.	1.724	-.5809	-1.150
#2	16820.	53.10	39720.	2.174	1.869	.7743
#3	16890.	53.33	39780.	1.529	-1.154	-3.515

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-c-1-f Acquired: 9/24/2012 18:43:31 Type: Unk
Method: SW846_092412 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	-.5955	-1.447	.6507	32.19	24.17	.4708
Stddev	2.471	2.185	.6908	.30	.52	.0360
%RSD	415.0	151.0	106.2	.9235	2.143	7.640
#1	-2.866	-3.179	1.170	32.40	24.75	.4382
#2	-.9579	1.008	.9152	32.33	24.02	.5094
#3	2.037	-2.169	-.1332	31.85	23.75	.4648

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	-.0915	210.5	.7803	5397.
Stddev	.2501	.3	1.027	23.
%RSD	273.2	.1602	131.6	.4218
#1	-.1245	210.3	1.275	5412.
#2	-.3235	210.2	1.466	5408.
#3	.1734	210.8	-.3999	5371.

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	3308.7	47365.	7467.9
Stddev	11.8	134.	19.8
%RSD	.35574	.28319	.26491
#1	3312.9	47509.	7482.7
#2	3295.4	47341.	7445.4
#3	3317.9	47244.	7475.5

Sample Name: sd 460-44765-c-1-f@5 Acquired: 9/24/2012 18:47:45 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.947	-3.195	.2192	27.08	-.0941	6637.
Stddev	7.187	2.186	.7593	.67	.0739	50.
%RSD	90.43	68.43	346.3	2.467	78.59	.7485
#1	-.1331	-5.710	.7333	27.82	-.0350	6691.
#2	-14.27	-1.757	-.6529	26.90	-.0703	6592.
#3	-9.435	-2.116	.5773	26.52	-.1770	6629.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0672	.0067	-.1822	-2.989	66.10	830.3
Stddev	.1230	.3630	.2271	2.884	3.00	16.2
%RSD	182.9	5423.	124.6	96.48	4.531	1.954
#1	.1186	.3309	-.2050	.2790	62.97	835.1
#2	.1563	-.3855	-.3971	-4.070	66.40	812.2
#3	-.0731	.0746	.0554	-5.177	68.94	843.6

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	3370.	10.36	7949.	.4540	.1482	-.3272
Stddev	6.	.05	7.	.1892	2.354	2.529
%RSD	.1745	.4657	.0876	41.67	1588.	773.0
#1	3365.	10.31	7952.	.3966	.1192	1.187
#2	3377.	10.41	7942.	.6652	2.516	1.078
#3	3369.	10.35	7955.	.3001	-2.191	-3.247

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-44765-c-1-f@5 Acquired: 9/24/2012 18:47:45 Type: Unk
Method: SW846_092412 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	-.6456	-2.124	.1085	6.160	4.911	.4411
Stddev	1.362	.597	.3330	.123	.194	.2288
%RSD	211.0	28.12	307.0	1.999	3.958	51.87
#1	-.0285	-1.770	-.2403	6.298	5.049	.2131
#2	.2989	-1.787	.4231	6.121	4.995	.4397
#3	-2.207	-2.813	.1426	6.061	4.689	.6707

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	-.1972	41.58	-1.888	1045.
Stddev	.9982	.13	.253	13.
%RSD	506.1	.3234	13.37	1.291
#1	.7710	41.54	-1.636	1029.
#2	-1.223	41.46	-2.141	1052.
#3	-.1398	41.73	-1.888	1053.

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	3347.9	48284.	7413.9
Stddev	16.5	250.	21.3
%RSD	.49302	.51767	.28773
#1	3344.3	48564.	7399.2
#2	3365.9	48205.	7404.2
#3	3333.5	48083.	7438.4

Sample Name: 460-44765-c-1-h.ms Acquired: 9/24/2012 18:52:05 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2034.	2024.	50.08	2238.	52.23	55740.
Stddev	19.	18.	1.19	23.	.27	528.
%RSD	.9507	.9064	2.367	1.041	.5179	.9474
#1	2052.	2020.	51.42	2234.	52.52	55940.
#2	2014.	2044.	49.68	2262.	52.19	56140.
#3	2036.	2008.	49.15	2216.	51.98	55140.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.27	517.8	209.2	258.6	1385.	24270.
Stddev	.42	5.8	.9	7.5	11.	167.
%RSD	.8062	1.121	.4093	2.881	.8092	.6892
#1	52.32	517.2	208.5	267.1	1384.	24460.
#2	52.66	523.9	208.8	253.4	1397.	24150.
#3	51.82	512.4	210.1	255.2	1374.	24200.

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	37600.	583.4	61610.	521.7	530.6	497.4
Stddev	106.	2.3	441.	5.0	4.9	6.1
%RSD	.2810	.3948	.7153	.9644	.9288	1.219
#1	37480.	580.9	62120.	521.4	529.8	496.7
#2	37670.	585.3	61290.	526.8	535.8	503.8
#3	37650.	584.1	61430.	516.8	526.1	491.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-c-1-h.ms Acquired: 9/24/2012 18:52:05 Type: Unk
Method: SW846_092412 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	1959.	2187.	507.6	543.7	542.7	520.0
Stddev	19.	23.	1.5	5.6	5.2	4.6
%RSD	.9720	1.034	.2860	1.034	.9621	.8755

#1	1955.	2183.	506.7	542.7	543.2	519.4
#2	1979.	2212.	509.2	549.8	547.6	524.8
#3	1942.	2167.	506.7	538.7	537.2	515.7

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	527.9	722.6	523.8	5789.
Stddev	6.6	4.5	4.1	72.
%RSD	1.256	.6217	.7913	1.242

#1	526.8	727.7	528.5	5760.
#2	535.0	720.1	521.6	5872.
#3	521.9	719.8	521.1	5737.

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	3250.9	46556.	7426.4
Stddev	27.6	148.	104.1
%RSD	.84963	.31843	1.4010

#1	3244.7	46405.	7309.2
#2	3226.9	46701.	7507.9
#3	3281.1	46561.	7462.1

Sample Name: pds 460-44765-c-1-f Acquired: 9/24/2012 18:56:03 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1961.	1892.	47.08	2083.	48.88	53010.
Stddev	33.	12.	.77	14.	.61	592.
%RSD	1.694	.6415	1.625	.6588	1.255	1.117

#1	1978.	1880.	47.86	2073.	48.97	52460.
#2	1981.	1905.	47.06	2099.	49.44	53630.
#3	1922.	1892.	46.33	2078.	48.22	52930.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.67	481.9	194.5	238.0	1303.	23220.
Stddev	.27	3.2	3.6	2.4	16.	283.
%RSD	.5553	.6686	1.843	1.000	1.238	1.219

#1	48.58	480.0	198.3	240.8	1322.	23440.
#2	48.97	485.7	191.2	236.4	1292.	23320.
#3	48.45	480.2	194.0	236.9	1296.	22900.

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	35770.	539.3	58600.	489.0	496.8	458.6
Stddev	641.	10.1	654.	3.5	5.0	3.5
%RSD	1.793	1.871	1.116	.7091	1.007	.7579

#1	36490.	550.4	58970.	486.5	493.3	454.6
#2	35260.	530.7	58990.	492.9	502.5	459.8
#3	35560.	536.6	57850.	487.5	494.6	461.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-44765-c-1-f Acquired: 9/24/2012 18:56:03 Type: Unk
Method: SW846_092412 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	1846.	2068.	474.3	507.1	498.5	471.7
Stddev	7.	9.	8.0	3.5	3.2	3.7
%RSD	.3806	.4199	1.692	.6849	.6404	.7740
#1	1837.	2058.	483.1	504.5	495.7	469.6
#2	1850.	2075.	467.4	511.0	502.0	475.9
#3	1850.	2069.	472.4	505.7	497.8	469.6

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	487.4	676.2	477.4	5422.
Stddev	4.6	9.0	5.8	86.
%RSD	.9352	1.331	1.212	1.594
#1	484.6	681.0	479.7	5450.
#2	492.7	681.9	481.7	5492.
#3	484.9	665.9	470.8	5326.

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	3260.7	46655.	7418.6
Stddev	15.1	522.	26.3
%RSD	.46292	1.1179	.35481
#1	3271.1	46053.	7388.2
#2	3243.4	46967.	7433.8
#3	3267.6	46946.	7433.8

Sample Name: lcs 460-129011/2-a Acquired: 9/24/2012 19:04:16 Type: QC

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2014.	1953.	49.61	2075.	51.14	19350.
Stddev	6.	7.	.26	5.	.25	69.
%RSD	.2938	.3430	.5220	.2344	.4830	.3586

#1	2007.	1946.	49.32	2070.	50.95	19320.
#2	2018.	1957.	49.70	2076.	51.42	19300.
#3	2016.	1958.	49.81	2080.	51.05	19430.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.42	513.5	206.3	257.1	1021.	20280.
Stddev	.20	1.1	2.5	4.6	22.	99.
%RSD	.3870	.2064	1.227	1.808	2.158	.4863

#1	51.28	512.4	207.9	251.7	1027.	20200.
#2	51.34	513.7	203.4	260.2	996.8	20390.
#3	51.65	514.4	207.7	259.4	1040.	20250.

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	20230.	524.9	21370.	518.7	530.9	486.1
Stddev	191.	4.9	101.	.5	.5	.9
%RSD	.9459	.9242	.4732	.1013	.0986	.1900

#1	20340.	527.4	21310.	518.1	530.3	485.5
#2	20010.	519.3	21490.	518.9	531.3	485.8
#3	20340.	528.0	21310.	519.1	531.0	487.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-129011/2-a Acquired: 9/24/2012 19:04:16 Type: QC

Method: SW846_092412 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	1904.	2214.	497.6	507.2	507.6	511.6
Stddev	7.	8.	4.0	1.3	1.8	1.0
%RSD	.3903	.3556	.8108	.2581	.3452	.1981

#1	1897.	2209.	500.1	505.9	506.1	510.7
#2	1905.	2209.	492.9	507.2	507.1	511.5
#3	1912.	2223.	499.8	508.6	509.5	512.7

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	521.3	500.6	511.3	33.56
Stddev	.8	1.8	1.6	14.17
%RSD	.1459	.3520	.3100	42.22

#1	520.5	499.3	510.7	17.45
#2	521.4	502.6	513.1	44.09
#3	522.0	499.9	510.2	39.14

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	3317.7	47960.	7467.8
Stddev	6.9	138.	84.8
%RSD	.20823	.28855	1.1352

#1	3316.1	47993.	7427.9
#2	3311.7	48078.	7410.3
#3	3325.2	47808.	7565.2

Sample Name: CCV Acquired: 9/24/2012 19:08:16 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122400.	2458.	1235.	9944.	988.7	121900.
Stddev	789.	23.	17.	90.	6.2	1881.
%RSD	.6445	.9433	1.354	.9028	.6282	1.543

#1	122000.	2449.	1254.	9900.	986.4	120900.
#2	121900.	2484.	1227.	10050.	984.0	124100.
#3	123300.	2441.	1223.	9885.	995.7	120700.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1245.	2479.	5040.	12340.	100100.	49910.
Stddev	11.	25.	75.	81.	1557.	178.
%RSD	.8970	1.012	1.490	.6529	1.556	.3569

#1	1238.	2471.	5125.	12290.	101800.	49820.
#2	1258.	2507.	5014.	12300.	99570.	49810.
#3	1239.	2459.	4982.	12430.	98790.	50120.

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	125200.	5050.	126500.	2497.	7569.	987.7
Stddev	1932.	73.	795.	24.	59.	8.9
%RSD	1.543	1.446	.6280	.9431	.7857	.9020

#1	127300.	5132.	126100.	2482.	7521.	984.2
#2	124600.	5026.	126000.	2524.	7635.	997.8
#3	123600.	4992.	127400.	2485.	7549.	981.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/24/2012 19:08:16 Type: QC
Method: SW846_092412 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	2443.	2525.	2475.	2461.	975.7	2486.
Stddev	23.	26.	32.	24.	8.5	26.
%RSD	.9547	1.017	1.308	.9851	.8716	1.041

#1	2423.	2510.	2511.	2450.	969.0	2471.
#2	2469.	2554.	2464.	2489.	985.3	2516.
#3	2439.	2509.	2450.	2444.	972.9	2471.

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	997.6	5061.	9944.	9568.
Stddev	10.7	47.	79.	83.
%RSD	1.074	.9338	.7940	.8673

#1	992.1	5007.	9895.	9524.
#2	1010.	5088.	9902.	9664.
#3	990.7	5088.	10030.	9517.

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	3047.8	43445.	7131.4
Stddev	22.0	624.	22.8
%RSD	.72207	1.4370	.31987

#1	3050.9	42759.	7128.0
#2	3024.4	43597.	7155.7
#3	3068.1	43980.	7110.4

Sample Name: CCB Acquired: 9/24/2012 19:12:21 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.52	-.6699	.0382	-.0734	.1045	5.974
Stddev	6.79	1.536	.1675	.1933	.0415	2.210
%RSD	34.79	229.3	438.4	263.4	39.71	37.00

#1	26.58	-.9158	-.0893	-.2583	.1507	7.220
#2	13.03	.9741	.2279	.1273	.0705	7.280
#3	18.97	-2.068	-.0240	-.0891	.0922	3.422

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0002	.1791	.2633	2.025	-2.232	140.2
Stddev	.0665	.4090	.1390	1.777	3.263	92.8
%RSD	32180.	228.4	52.80	87.80	146.2	66.21

#1	.0749	.6286	.2854	3.780	.4094	236.8
#2	-.0517	-.1711	.3899	2.068	-1.226	51.59
#3	-.0238	.0798	.1145	.2256	-5.879	132.3

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	-.6391	.0542	50.57	-.0039	-.8349	.0352
Stddev	1.017	.0450	32.69	.4857	.5057	1.753
%RSD	159.1	82.97	64.64	12490.	60.57	4979.

#1	.4746	.1061	84.85	.4722	-.2855	1.930
#2	-.8743	.0303	47.11	.0148	-1.281	-1.530
#3	-1.518	.0262	19.75	-.4987	-.9385	-.2946

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/24/2012 19:12:21 Type: QC
Method: SW846_092412 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	-.3236	.9578	.0467	-.1918	2.110	.8256
Stddev	1.187	1.100	.0608	.0447	.417	.4176
%RSD	366.8	114.9	130.4	23.31	19.76	50.58
#1	-.3072	1.831	.0820	-.1427	2.578	1.155
#2	.8550	-.2779	-.0236	-.2301	1.779	.9654
#3	-1.519	1.320	.0815	-.2026	1.973	.3560

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	-.1001	.1121	-.7991	-2.866
Stddev	.0731	.2237	1.025	9.287
%RSD	73.02	199.7	128.3	324.1
#1	-.0319	.3679	-1.860	-6.939
#2	-.0911	-.0467	-.7230	7.762
#3	-.1773	.0149	.1859	-9.420

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	3350.8	48432.	7304.9
Stddev	12.8	342.	135.0
%RSD	.38214	.70526	1.8477
#1	3360.0	48541.	7301.7
#2	3356.3	48706.	7171.6
#3	3336.2	48049.	7441.5

Sample Name: mb 460-128864/1-f Acquired: 9/24/2012 19:16:41 Type: QC

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35.41	-.8100	.0943	.0120	.0192	40.44
Stddev	15.79	.6415	.6686	.2639	.0136	2.14
%RSD	44.58	79.20	709.1	2198.	70.76	5.288

#1	17.19	-1.281	-.1376	-.1587	.0063	41.37
#2	44.85	-.0793	-.4275	-.1213	.0179	38.00
#3	44.20	-1.069	.8479	.3160	.0335	41.96

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1628	.0595	.0998	2.935	2.030	65.90
Stddev	.0944	.1208	.5972	1.699	12.25	17.96
%RSD	57.94	203.0	598.4	57.88	603.3	27.25

#1	.0656	.1173	-.1601	4.896	-9.665	84.75
#2	.2540	.1407	.7829	1.991	.9893	63.96
#3	.1689	-.0794	-.3234	1.917	14.77	48.99

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	-.9507	.1038	30.36	1.279	-.5802	.6867
Stddev	.8818	.0646	8.80	.714	.8376	1.237
%RSD	92.75	62.21	28.99	55.83	144.4	180.2

#1	-1.546	.1102	39.96	1.326	-.8604	1.709
#2	-1.368	.1651	22.69	1.967	-1.242	-.6892
#3	.0622	.0363	28.42	.5420	.3616	1.041

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-128864/1-f Acquired: 9/24/2012 19:16:41 Type: QC
Method: SW846_092412 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	2.286	-.3142	-.1302	10.88	5.962	.0574
Stddev	2.879	1.347	.5831	.21	.410	.0237
%RSD	125.9	428.9	448.0	1.975	6.873	41.29
#1	.2538	-1.861	-.7403	11.09	6.207	.0302
#2	5.580	.3171	.4216	10.90	6.190	.0734
#3	1.024	.6017	-.0718	10.66	5.489	.0685

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	-.4084	.3571	-1.788	-9.016
Stddev	.4115	.0508	.428	3.659
%RSD	100.8	14.23	23.94	40.58
#1	-.8833	.2990	-1.392	-5.894
#2	-.1845	.3791	-1.729	-13.04
#3	-.1574	.3931	-2.242	-8.113

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	3441.9	50110.	7602.5
Stddev	12.5	194.	65.8
%RSD	.36350	.38672	.86485
#1	3454.4	50320.	7677.4
#2	3442.0	49938.	7554.3
#3	3429.3	50073.	7575.8

Sample Name: mb 460-129002/1-a Acquired: 9/24/2012 19:21:02 Type: QC

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41.83	-.9370	.2031	.0237	.0796	77.08
Stddev	9.57	1.382	1.179	.2526	.1055	4.76
%RSD	22.88	147.5	580.4	1064.	132.5	6.174

#1	30.88	-.3355	-1.047	-.1905	-.0356	74.52
#2	46.05	.0424	.3617	.3023	.1714	82.58
#3	48.57	-2.518	1.294	-.0406	.1030	74.15

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0270	.0058	-.1438	.1909	-3.097	69.19
Stddev	.0156	.0770	.6565	1.223	5.415	29.75
%RSD	57.68	1335.	456.5	640.9	174.8	43.00

#1	.0449	.0232	-.9011	.9796	2.413	82.93
#2	.0175	.0725	.2656	-1.218	-8.411	35.05
#3	.0185	-.0784	.2040	.8114	-3.293	89.59

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	3.325	-.0458	-5.494	.5509	-.1614	.6875
Stddev	3.720	.0347	5.295	.2687	.9550	1.313
%RSD	111.9	75.79	96.37	48.78	591.7	191.0

#1	2.426	-.0284	-11.27	.8115	.3138	2.128
#2	7.412	-.0858	-.8694	.5665	-1.261	-.4423
#3	.1374	-.0233	-4.343	.2747	.4628	.3763

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-129002/1-a Acquired: 9/24/2012 19:21:02 Type: QC

Method: SW846_092412 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	.3584	-.1183	-.0868	4.741	11.51	.2156
Stddev	2.276	.3807	.3349	.107	.39	.1979
%RSD	635.2	321.8	386.0	2.254	3.362	91.82

#1	2.552	-.2697	.0948	4.746	11.77	-.0112
#2	.5152	-.3999	.1181	4.632	11.69	.3042
#3	-1.992	.3148	-.4733	4.846	11.06	.3537

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	-.0519	.4563	-1.448	-.4702
Stddev	.8274	.0965	.430	19.50
%RSD	1595.	21.16	29.70	4146.

#1	-.4966	.3993	-1.009	-11.82
#2	-.5618	.5677	-1.466	-11.63
#3	.9028	.4018	-1.868	22.04

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	3444.6	50306.	7570.7
Stddev	13.3	269.	51.3
%RSD	.38699	.53532	.67705

#1	3460.0	50610.	7563.1
#2	3436.7	50213.	7523.6
#3	3437.1	50096.	7625.3

Sample Name: lcs 460-129002/2-a Acquired: 9/24/2012 19:25:22 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2027.	1996.	50.11	2111.	51.96	19590.
Stddev	8.	14.	1.40	11.	.04	105.
%RSD	.3766	.7135	2.790	.5372	.0685	.5345
#1	2019.	2011.	51.72	2123.	51.95	19710.
#2	2033.	1983.	49.16	2100.	51.93	19510.
#3	2030.	1993.	49.46	2111.	52.00	19560.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.46	521.7	209.6	258.4	1044.	20610.
Stddev	.09	2.4	.9	2.1	12.	25.
%RSD	.1631	.4682	.4436	.8226	1.171	.1234
#1	52.43	524.3	210.6	256.1	1055.	20580.
#2	52.39	519.4	209.6	260.1	1047.	20610.
#3	52.55	521.4	208.7	259.1	1031.	20640.

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.	536.2	21780.	529.6	543.4	495.3
Stddev	128.	2.9	35.	4.4	3.4	2.7
%RSD	.6178	.5351	.1584	.8395	.6238	.5459
#1	20780.	539.2	21790.	534.2	547.2	497.6
#2	20610.	536.0	21750.	525.3	542.1	496.1
#3	20520.	533.4	21810.	529.4	540.8	492.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-129002/2-a Acquired: 9/24/2012 19:25:22 Type: QC

Method: SW846_092412 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	1954.	2267.	511.9	511.3	515.9	521.8
Stddev	8.	12.	2.3	3.1	2.4	3.8
%RSD	.3995	.5334	.4504	.6019	.4650	.7203

#1	1961.	2281.	514.2	514.6	516.4	526.0
#2	1946.	2261.	512.0	508.5	513.3	518.9
#3	1955.	2258.	509.5	510.7	518.0	520.3

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	532.7	510.5	522.0	43.62
Stddev	3.7	1.5	1.7	6.34
%RSD	.6972	.2858	.3237	14.53

#1	536.9	510.3	522.0	48.28
#2	529.9	509.1	520.3	36.41
#3	531.4	512.0	523.7	46.19

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	3335.3	47896.	7493.4
Stddev	12.9	248.	62.0
%RSD	.38614	.51829	.82734

#1	3322.7	47814.	7429.5
#2	3348.5	47700.	7553.4
#3	3334.8	48175.	7497.1

Sample Name: 460-44901-a-1-a du Acquired: 9/24/2012 19:29:21 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	100.2	-1.577	-.3216	114.1	-.0812	91940.
Stddev	26.1	2.145	.2711	.4	.0263	708.
%RSD	26.04	136.0	84.30	.3796	32.39	.7697
#1	88.03	-.5552	-.0092	113.8	-.1091	92710.
#2	130.1	-.1347	-.4599	114.6	-.0568	91320.
#3	82.38	-4.042	-.4957	113.8	-.0777	91780.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1215	.3244	-.1059	.2032	16030.	51390.
Stddev	.0800	.2682	.2864	1.248	39.	481.
%RSD	65.82	82.68	270.4	614.4	.2462	.9356
#1	.0689	.6293	.1195	1.460	16080.	51920.
#2	.2136	.2190	-.0090	-1.037	16000.	51000.
#3	.0821	.1248	-.4283	.1859	16020.	51240.

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	24250.	3286.	50250.	1.276	.5391	-3.020
Stddev	105.	11.	437.	.241	.6838	2.043
%RSD	.4328	.3330	.8692	18.93	126.8	67.68
#1	24370.	3297.	50750.	1.100	1.328	-1.199
#2	24190.	3275.	50020.	1.176	.1573	-2.629
#3	24190.	3285.	49980.	1.551	.1314	-5.230

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-44901-a-1-a du Acquired: 9/24/2012 19:29:21 Type: Unk
Method: SW846_092412 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	1.464	-8.352	.4215	3.679	676.3	1.178
Stddev	1.801	1.535	.3577	.039	.6	.223
%RSD	123.0	18.37	84.87	1.065	.0903	18.94
#1	.0610	-8.480	.6582	3.665	675.6	1.256
#2	3.494	-9.818	.5964	3.723	676.6	1.352
#3	.8358	-6.757	.0100	3.648	676.7	.9263

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	-.6470	445.1	7.091	5846.
Stddev	.4280	4.0	.931	39.
%RSD	66.16	.8990	13.14	.6688
#1	-.3398	449.6	7.343	5808.
#2	-.4653	443.5	7.871	5886.
#3	-1.136	442.2	6.060	5844.

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	3255.0	46279.	7494.5
Stddev	15.3	382.	96.1
%RSD	.46936	.82613	1.2824
#1	3251.2	45874.	7406.2
#2	3271.9	46330.	7596.8
#3	3242.0	46633.	7480.5

Sample Name: 460-44901-k-1-e Acquired: 9/24/2012 19:33:34 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	114.9	-.6210	.8667	110.7	.0644	88640.
Stddev	16.5	1.032	.7828	.3	.0223	288.
%RSD	14.33	166.2	90.31	.2307	34.65	.3253

#1	113.3	.3250	.7674	110.5	.0542	88320.
#2	99.24	-1.722	.1384	111.0	.0899	88720.
#3	132.1	-.4660	1.694	110.6	.0489	88870.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1113	.1688	-.2807	-1.028	15490.	49870.
Stddev	.0978	.3029	.3038	1.179	4.	279.
%RSD	87.91	179.5	108.2	114.6	.0255	.5596

#1	.0337	-.1585	-.4917	.3322	15490.	50190.
#2	.2211	.4391	-.4180	-1.680	15500.	49680.
#3	.0790	.2256	.0676	-1.738	15490.	49730.

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	23370.	3168.	48750.	1.038	-.2079	-1.249
Stddev	44.	5.	189.	.456	.6736	.435
%RSD	.1888	.1577	.3872	43.90	324.0	34.83

#1	23320.	3167.	48970.	1.556	-.9514	-.8842
#2	23400.	3164.	48620.	.8639	-.0339	-1.132
#3	23390.	3174.	48670.	.6957	.3616	-1.730

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44901-k-1-e Acquired: 9/24/2012 19:33:34 Type: Unk
Method: SW846_092412 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	2.182	-6.798	.2770	3.314	655.5	1.465
Stddev	1.971	1.801	.3182	.047	4.1	.266
%RSD	90.34	26.49	114.9	1.412	.6280	18.16
#1	2.829	-4.906	.0934	3.363	651.4	1.203
#2	-.0313	-8.490	.6444	3.270	659.6	1.457
#3	3.749	-6.998	.0932	3.308	655.5	1.735

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	.1528	431.4	6.519	5619.
Stddev	.3708	1.7	1.348	27.
%RSD	242.6	.3941	20.68	.4762
#1	.1631	433.3	7.790	5609.
#2	.5184	430.0	6.663	5650.
#3	-.2230	430.8	5.105	5599.

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	3254.7	46410.	7442.5
Stddev	4.2	239.	61.0
%RSD	.12811	.51499	.81948
#1	3257.8	46552.	7375.0
#2	3256.4	46134.	7493.5
#3	3250.0	46543.	7459.2

Sample Name: sd 460-44901-k-1-e@5 Acquired: 9/24/2012 19:37:47 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.64	-.3481	-.0601	22.06	-.0622	17350.
Stddev	9.93	.5359	.4519	.52	.1091	141.
%RSD	48.09	153.9	752.3	2.355	175.6	.8115
#1	31.99	-.0714	-.2158	22.65	-.0933	17480.
#2	13.58	-.0072	-.4135	21.83	.0592	17200.
#3	16.35	-.9658	.4491	21.69	-.1523	17390.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0043	.1240	.4271	-.4112	3111.	10180.
Stddev	.1675	.2228	.6810	1.717	16.	94.
%RSD	3852.	179.7	159.5	417.5	.5149	.9201
#1	-.1626	-.0087	-.3169	1.564	3129.	10130.
#2	.1724	-.0005	.5785	-1.544	3099.	10130.
#3	.0032	.3812	1.020	-1.253	3104.	10290.

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	4801.	637.7	9885.	.5875	.3856	-1.944
Stddev	16.	3.1	43.	.2995	1.276	1.732
%RSD	.3336	.4907	.4383	50.98	330.9	89.09
#1	4812.	639.7	9848.	.9324	1.216	-3.266
#2	4809.	639.2	9873.	.4362	-1.084	.0166
#3	4782.	634.1	9933.	.3938	1.024	-2.583

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-44901-k-1-e@5 Acquired: 9/24/2012 19:37:47 Type: Unk
Method: SW846_092412 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	.1137	-3.026	.0167	.5144	128.3	.0004
Stddev	2.094	.880	.6257	.0338	1.2	.5803
%RSD	1842.	29.09	3745.	6.577	.9062	141400.
#1	.2914	-3.073	.5135	.4883	129.6	-.6479
#2	-2.063	-2.123	-.6859	.5022	127.9	.1779
#3	2.113	-3.882	.2225	.5526	127.4	.4713

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	-.2170	86.39	.4417	1068.
Stddev	.7312	.59	1.007	6.
%RSD	336.9	.6849	227.9	.5579
#1	-1.047	85.90	-.2518	1062.
#2	.3339	86.23	-.0192	1073.
#3	.0615	87.05	1.596	1070.

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	3325.0	47716.	7389.4
Stddev	14.2	142.	46.7
%RSD	.42660	.29705	.63235
#1	3319.3	47552.	7413.2
#2	3341.1	47799.	7419.4
#3	3314.5	47796.	7335.5

Sample Name: 460-44901-k-1-g.ms Acquired: 9/24/2012 19:42:03 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2105.	2035.	50.67	2188.	51.93	109100.
Stddev	15.	8.	.26	10.	.44	710.
%RSD	.6931	.3689	.5164	.4550	.8531	.6504
#1	2095.	2040.	50.60	2196.	51.43	109300.
#2	2122.	2039.	50.96	2191.	52.27	109800.
#3	2098.	2027.	50.45	2177.	52.09	108400.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.75	512.8	207.2	254.6	16370.	69950.
Stddev	.23	2.3	.8	1.5	81.	145.
%RSD	.4400	.4540	.3682	.6007	.4944	.2078
#1	52.00	514.2	206.4	252.9	16270.	69780.
#2	51.67	514.0	207.9	255.8	16390.	70020.
#3	51.57	510.1	207.3	255.0	16430.	70050.

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	43300.	3686.	69750.	520.4	524.8	498.8
Stddev	198.	12.	401.	2.5	.2	3.9
%RSD	.4580	.3372	.5747	.4716	.0348	.7723
#1	43070.	3672.	69290.	521.6	525.0	502.1
#2	43400.	3695.	70030.	521.9	524.7	499.7
#3	43430.	3690.	69930.	517.5	524.6	494.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44901-k-1-g.ms Acquired: 9/24/2012 19:42:03 Type: Unk
Method: SW846_092412 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	1972.	2136.	508.5	508.8	1175.	521.5
Stddev	17.	8.	2.7	2.1	3.	2.2
%RSD	.8527	.3826	.5326	.4070	.2398	.4181
#1	1990.	2140.	505.8	510.5	1177.	522.2
#2	1969.	2142.	511.2	509.5	1177.	523.3
#3	1957.	2127.	508.4	506.5	1172.	519.1

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	522.9	938.0	528.2	5772.
Stddev	3.0	6.0	4.6	108.
%RSD	.5701	.6378	.8632	1.879
#1	524.8	931.1	523.0	5647.
#2	524.5	942.3	531.5	5845.
#3	519.5	940.4	530.1	5823.

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	3181.8	45638.	7369.1
Stddev	4.7	235.	32.3
%RSD	.14796	.51534	.43768
#1	3186.7	45909.	7331.8
#2	3177.3	45498.	7387.6
#3	3181.4	45506.	7387.9

Sample Name: 460-44901-k-1-h msd Acquired: 9/24/2012 19:46:01 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2045.	1976.	48.80	2128.	50.25	105300.
Stddev	16.	11.	1.24	8.	.25	652.
%RSD	.7610	.5353	2.549	.3964	.4994	.6190
#1	2028.	1968.	47.62	2123.	50.12	105100.
#2	2059.	1973.	48.68	2123.	50.10	104800.
#3	2048.	1988.	50.10	2137.	50.54	106100.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.54	499.7	203.1	248.1	15950.	67840.
Stddev	.26	1.3	.3	4.6	80.	46.
%RSD	.5192	.2537	.1479	1.848	.5005	.0681
#1	50.55	498.3	203.5	244.2	15910.	67810.
#2	50.27	499.9	202.9	253.1	15910.	67810.
#3	50.80	500.8	203.0	246.9	16040.	67890.

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	42370.	3590.	67510.	505.3	511.4	481.8
Stddev	96.	8.	221.	1.8	5.0	2.6
%RSD	.2262	.2313	.3270	.3631	.9742	.5405
#1	42340.	3584.	67280.	504.1	507.6	478.8
#2	42290.	3586.	67530.	504.5	509.5	483.3
#3	42480.	3599.	67720.	507.4	517.0	483.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44901-k-1-h msd Acquired: 9/24/2012 19:46:01 Type: Unk
Method: SW846_092412 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	1922.	2080.	496.6	496.3	1141.	505.4
Stddev	14.	10.	2.0	1.7	5.	1.8
%RSD	.7465	.5000	.4105	.3375	.3971	.3559
#1	1912.	2080.	495.4	495.0	1139.	503.8
#2	1916.	2069.	495.5	495.6	1137.	505.0
#3	1938.	2090.	499.0	498.2	1146.	507.3

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	508.4	908.4	511.4	5610.
Stddev	2.4	3.8	2.7	6.
%RSD	.4677	.4175	.5270	.1106
#1	508.4	905.0	509.7	5607.
#2	506.1	907.8	510.1	5605.
#3	510.8	912.5	514.5	5617.

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	3196.9	45619.	7401.9
Stddev	5.5	216.	33.8
%RSD	.17173	.47256	.45647
#1	3197.6	45557.	7439.3
#2	3202.0	45859.	7393.1
#3	3191.1	45441.	7373.5

Sample Name: pds 460-44901-k-1-e Acquired: 9/24/2012 19:49:59 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2006.	1883.	47.32	2030.	48.02	105600.
Stddev	45.	19.	.68	16.	.90	932.
%RSD	2.224	.9876	1.441	.7888	1.878	.8826
#1	1964.	1904.	47.99	2047.	47.09	106500.
#2	2052.	1879.	47.33	2028.	48.88	104600.
#3	2001.	1867.	46.63	2015.	48.09	105800.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.80	473.6	194.4	234.2	16300.	67530.
Stddev	.10	4.4	.8	2.7	124.	1130.
%RSD	.2030	.9199	.4213	1.169	.7575	1.674
#1	47.91	478.4	194.1	231.7	16350.	66270.
#2	47.73	472.6	193.7	237.1	16160.	68460.
#3	47.76	469.9	195.3	233.6	16390.	67850.

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	42400.	3633.	67590.	484.5	486.6	449.4
Stddev	159.	16.	1355.	3.9	4.7	.5
%RSD	.3743	.4495	2.005	.8014	.9697	.1132
#1	42420.	3637.	66050.	488.7	490.9	449.9
#2	42230.	3615.	68610.	483.8	487.4	449.5
#3	42540.	3647.	68100.	481.1	481.6	448.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-44901-k-1-e Acquired: 9/24/2012 19:49:59 Type: Unk
Method: SW846_092412 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	1861.	1998.	478.8	472.6	1124.	469.4
Stddev	13.	20.	4.2	4.2	8.	4.3
%RSD	.6902	.9847	.8857	.8786	.6983	.9092
#1	1873.	2020.	477.7	476.9	1132.	473.6
#2	1863.	1984.	475.2	472.3	1124.	469.6
#3	1847.	1989.	483.4	468.6	1117.	465.1

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	479.9	888.7	478.0	5680.
Stddev	4.7	18.2	8.4	32.
%RSD	.9728	2.043	1.753	.5629
#1	483.9	868.2	468.7	5685.
#2	481.1	902.9	485.0	5709.
#3	474.8	894.9	480.3	5646.

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	3211.0	45627.	7452.8
Stddev	15.1	52.	123.1
%RSD	.47092	.11385	1.6518
#1	3194.8	45583.	7594.8
#2	3213.5	45684.	7376.1
#3	3224.7	45614.	7387.5

Sample Name: 460-44901-k-2-b Acquired: 9/24/2012 19:53:59 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	166.1	-2.078	-.8160	127.1	-.0633	220200.
Stddev	4.3	1.193	.4637	.8	.0997	1782.
%RSD	2.581	57.43	56.83	.6582	157.6	.8091

#1	170.4	-.9550	-.3083	127.6	-.0765	222200.
#2	161.8	-1.948	-.9226	127.5	-.1557	219500.
#3	166.1	-3.331	-1.217	126.1	.0424	218900.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0814	.3391	-1.286	-1.065	6401.	11750.
Stddev	.1285	.0708	.122	4.503	24.	94.
%RSD	157.9	20.87	9.455	423.0	.3672	.7983

#1	.0515	.3783	-1.156	-2.601	6428.	11810.
#2	.2222	.3815	-1.304	4.006	6391.	11800.
#3	-.0295	.2574	-1.397	-4.599	6384.	11640.

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	49020.	2180.	210400.	1.043	3.179	-2.071
Stddev	271.	11.	871.	.268	1.550	1.449
%RSD	.5530	.5182	.4138	25.64	48.75	69.94

#1	49260.	2191.	211300.	.8205	4.965	-3.134
#2	48720.	2168.	210200.	.9693	2.189	-.4212
#3	49070.	2181.	209600.	1.340	2.383	-2.659

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44901-k-2-b Acquired: 9/24/2012 19:53:59 Type: Unk
Method: SW846_092412 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	1.773	-2.964	.1958	59.24	61.92	.2835
Stddev	1.876	1.540	.2684	.19	2.70	.3610
%RSD	105.9	51.97	137.1	.3285	4.358	127.3
#1	3.392	-4.126	.2607	59.35	64.48	-.0199
#2	-.2835	-3.549	.4258	59.35	62.16	.6828
#3	2.209	-1.217	-.0991	59.01	59.10	.1876

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	.3829	779.1	10.71	7531.
Stddev	.3145	1.8	1.58	64.
%RSD	82.13	.2327	14.79	.8554
#1	.5933	781.0	12.12	7601.
#2	.5339	778.7	11.00	7474.
#3	.0214	777.5	8.995	7517.

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	3114.9	44063.	7308.0
Stddev	9.1	147.	22.1
%RSD	.29240	.33439	.30241
#1	3105.6	44037.	7332.8
#2	3123.8	44221.	7290.2
#3	3115.2	43930.	7301.2

Sample Name: CCV Acquired: 9/24/2012 19:58:11 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121700.	2439.	1225.	9904.	983.9	119000.
Stddev	73.	6.	15.	25.	2.1	487.
%RSD	.0599	.2602	1.225	.2522	.2154	.4090

#1	121800.	2432.	1231.	9876.	983.5	119000.
#2	121600.	2444.	1207.	9924.	982.0	118600.
#3	121700.	2441.	1235.	9911.	986.2	119500.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1238.	2466.	4990.	12260.	98490.	49780.
Stddev	4.	5.	69.	19.	1375.	212.
%RSD	.3472	.2112	1.377	.1576	1.396	.4260

#1	1233.	2460.	5019.	12280.	98970.	49900.
#2	1241.	2470.	4911.	12240.	96940.	49530.
#3	1239.	2467.	5039.	12260.	99570.	49900.

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.	4987.	126100.	2481.	7523.	984.3
Stddev	1819.	67.	143.	5.	16.	6.6
%RSD	1.474	1.335	.1136	.2039	.2187	.6660

#1	124100.	5016.	126300.	2476.	7504.	976.9
#2	121400.	4911.	126000.	2486.	7534.	989.1
#3	124800.	5034.	126000.	2481.	7531.	987.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/24/2012 19:58:11 Type: QC
Method: SW846_092412 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	2416.	2506.	2452.	2447.	971.4	2474.
Stddev	9.	4.	32.	6.	4.0	4.
%RSD	.3822	.1785	1.304	.2539	.4167	.1643
#1	2407.	2502.	2465.	2440.	967.1	2471.
#2	2417.	2505.	2416.	2451.	971.9	2479.
#3	2425.	2511.	2476.	2450.	975.2	2472.

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	993.3	5001.	9906.	9577.
Stddev	3.2	66.	13.	54.
%RSD	.3214	1.319	.1290	.5606
#1	993.5	4955.	9912.	9520.
#2	996.5	4971.	9891.	9627.
#3	990.1	5076.	9914.	9585.

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	3031.0	43346.	7123.1
Stddev	7.0	522.	42.8
%RSD	.23086	1.2033	.60037
#1	3034.2	43063.	7073.8
#2	3023.0	43948.	7146.1
#3	3035.8	43028.	7149.4

Sample Name: CCB Acquired: 9/24/2012 20:02:16 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.807	-1.400	-.1320	.3015	.1102	3.726
Stddev	3.677	1.175	.6671	.3580	.2262	11.50
%RSD	63.32	83.96	505.4	118.7	205.3	308.6

#1	8.233	-1.495	-.6898	.5367	.1133	12.82
#2	7.613	-2.525	.6070	.4782	.3347	7.551
#3	1.576	-.1799	-.3132	-.1105	-.1176	-9.197

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0585	-.0655	.0131	.5991	5.241	172.7
Stddev	.0714	.1956	.5723	2.229	9.154	90.7
%RSD	122.1	298.8	4363.	372.1	174.7	52.54

#1	.0537	-.0069	-.1495	3.138	-4.537	270.5
#2	-.0104	-.2837	.6491	-1.037	6.652	156.1
#3	.1321	.0942	-.4603	-.3045	13.61	91.39

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	4.144	-.0284	66.53	.2506	.1999	.7581
Stddev	1.479	.1107	48.88	.0463	1.367	2.030
%RSD	35.70	389.1	73.48	18.48	683.7	267.8

#1	4.665	-.0058	122.3	.2001	1.450	3.048
#2	2.475	.0692	30.91	.2606	-1.260	.0497
#3	5.293	-.1487	46.41	.2912	.4099	-.8231

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/24/2012 20:02:16 Type: QC
Method: SW846_092412 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	2.471	-2.114	-.4085	-.1763	2.234	.7116
Stddev	2.387	1.667	.5898	.1439	.489	.3389
%RSD	96.60	78.84	144.4	81.66	21.87	47.62
#1	5.056	-.1930	.1239	-.0279	2.796	.9480
#2	.3509	-2.977	-.3068	-.1855	1.995	.8633
#3	2.006	-3.173	-1.043	-.3153	1.912	.3233

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	.1283	.1262	.2600	-21.41
Stddev	.7422	.3605	1.927	17.67
%RSD	578.5	285.7	741.3	82.54
#1	.8201	.4397	1.827	-32.39
#2	.2204	.2067	.8449	-1.025
#3	-.6556	-.2678	-1.892	-30.81

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	3349.9	48228.	7279.4
Stddev	.3	602.	105.0
%RSD	.00809	1.2480	1.4425
#1	3349.7	48732.	7385.1
#2	3350.2	48392.	7175.1
#3	3349.8	47562.	7278.2

Sample Name: 460-44907-d-6-b Acquired: 9/24/2012 20:06:36 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31.43	.3698	.2176	-.2373	.0938	41.84
Stddev	5.88	1.729	.6873	.0950	.1178	7.82
%RSD	18.71	467.5	315.8	40.04	125.6	18.69

#1	26.72	1.588	.4879	-.1467	.1935	43.54
#2	29.56	-1.609	-.5637	-.2290	-.0362	48.67
#3	38.02	1.130	.7287	-.3361	.1241	33.31

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0148	.0157	.4121	2.052	43.08	110.0
Stddev	.0168	.2853	.1742	1.749	7.06	51.9
%RSD	113.7	1812.	42.29	85.23	16.38	47.16

#1	-.0121	-.1737	.2597	3.349	35.23	155.1
#2	-.0328	-.1229	.3745	.0629	48.89	53.29
#3	.0005	.3439	.6020	2.745	45.12	121.5

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	4.406	.6126	121.9	.6012	-.6458	-1.879
Stddev	6.852	.0204	6.2	.1706	1.385	2.637
%RSD	155.5	3.326	5.070	28.38	214.5	140.3

#1	10.89	.6343	114.8	.4580	-2.244	-4.569
#2	-2.766	.5939	125.0	.5557	.1990	-1.772
#3	5.097	.6096	126.0	.7900	.1080	.7027

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44907-d-6-b Acquired: 9/24/2012 20:06:36 Type: Unk

Method: SW846_092412 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	1.362	-2.756	-3.687	5.303	30.79	.2918
Stddev	.123	1.124	.1100	.161	.20	.2421
%RSD	9.034	40.80	29.83	3.038	.6332	82.97

#1	1.400	-2.542	-.4329	5.439	30.95	.5689
#2	1.225	-1.754	-.4315	5.345	30.84	.1856
#3	1.462	-3.972	-.2417	5.125	30.58	.1210

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	.0967	.3717	-1.318	47.31
Stddev	.5653	.0483	1.702	14.83
%RSD	584.8	13.01	129.1	31.35

#1	.2569	.3159	-.9317	31.59
#2	.5645	.3982	.1567	49.29
#3	-.5315	.4009	-3.180	61.05

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	3407.0	50074.	7542.3
Stddev	9.9	1179.	61.7
%RSD	.29037	2.3546	.81746

#1	3403.4	49421.	7476.1
#2	3399.5	49366.	7598.1
#3	3418.2	51436.	7552.8

Sample Name: 460-44765-c-3-d Acquired: 9/24/2012 20:10:57 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42.18	-8146	-4425	108.0	-.0201	32340.
Stddev	9.79	.5408	.6923	.2	.1111	236.
%RSD	23.21	66.39	156.5	.1882	554.1	.7309

#1	35.69	-1.094	-1.075	107.8	-.0985	32100.
#2	37.41	-.1913	.2973	108.0	.1071	32350.
#3	53.44	-1.159	-.5499	108.2	-.0687	32580.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0511	.0194	-.0991	-2.551	385.2	3583.
Stddev	.1185	.2307	.6350	.704	6.2	30.
%RSD	232.0	1190.	640.6	27.60	1.601	.8472

#1	-.0822	-.0665	-.2669	-3.231	384.6	3549.
#2	.1443	.2807	.6029	-2.599	379.4	3608.
#3	.0911	-.1561	-.6335	-1.825	391.7	3591.

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	15540.	31.74	30280.	1.307	-1.115	-1.527
Stddev	124.	.23	240.	.156	.977	2.458
%RSD	.7958	.7139	.7937	11.93	87.64	160.9

#1	15550.	31.83	30340.	1.127	-.2188	-4.360
#2	15660.	31.91	30490.	1.391	-.9698	-.2673
#3	15410.	31.48	30020.	1.404	-2.157	.0453

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-c-3-d Acquired: 9/24/2012 20:10:57 Type: Unk
Method: SW846_092412 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	-0.0855	-1.369	.3876	5.111	22.78	.3478
Stddev	2.193	2.530	.0970	.121	.34	.3851
%RSD	2565.	184.7	25.02	2.372	1.496	110.7
#1	-2.045	-4.077	.4351	5.180	23.13	.7013
#2	2.283	-.9656	.2760	4.971	22.77	-.0625
#3	-.4938	.9342	.4515	5.182	22.45	.4047

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	.1384	189.0	-1.032	4430.
Stddev	.6748	1.6	1.427	22.
%RSD	487.6	.8465	138.2	.5076
#1	-.4929	189.4	.5181	4427.
#2	.8496	190.4	-1.325	4454.
#3	.0585	187.2	-2.290	4409.

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	3308.7	47356.	7443.4
Stddev	13.1	460.	43.9
%RSD	.39591	.97188	.59006
#1	3318.7	47329.	7479.1
#2	3313.6	46909.	7394.3
#3	3293.9	47828.	7456.8

Sample Name: 460-44765-c-4-d Acquired: 9/24/2012 20:15:12 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54.91	-.7152	-.0154	108.2	-.0724	32880.
Stddev	20.03	.9228	.9145	1.0	.0265	138.
%RSD	36.48	129.0	5937.	.9344	36.57	.4200

#1	43.39	-.5640	-1.023	109.2	-.0523	33040.
#2	43.30	.1227	.2141	108.2	-.1024	32770.
#3	78.04	-1.704	.7625	107.2	-.0625	32840.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0526	.1415	.2528	-2.394	388.6	3654.
Stddev	.0910	.2412	.4377	.650	10.3	8.
%RSD	173.0	170.5	173.1	27.15	2.659	.2218

#1	.1454	.4165	.0158	-2.913	381.5	3650.
#2	.0490	.0426	.7580	-2.604	383.7	3663.
#3	-.0366	-.0346	-.0152	-1.665	400.4	3649.

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	15750.	33.30	31490.	1.648	.3660	-3.113
Stddev	10.	.07	125.	.485	.8953	.884
%RSD	.0616	.1972	.3972	29.44	244.6	28.39

#1	15760.	33.24	31490.	1.447	-.4382	-3.392
#2	15740.	33.28	31360.	1.295	1.331	-3.824
#3	15740.	33.37	31610.	2.201	.2054	-2.123

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-c-4-d Acquired: 9/24/2012 20:15:12 Type: Unk
Method: SW846_092412 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	-1.619	.4020	-.0478	4.537	22.07	.7822
Stddev	1.532	.6867	.4750	.161	.54	.6186
%RSD	94.60	170.8	993.8	3.555	2.463	79.09
#1	-2.569	.6459	-.0215	4.680	22.17	.9649
#2	-2.436	-.3734	.4135	4.568	21.49	.0928
#3	.1479	.9334	-.5354	4.362	22.56	1.289

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	-.3526	190.1	1.527	4456.
Stddev	.3487	.5	.457	9.
%RSD	98.88	.2746	29.89	.2013
#1	.0448	190.2	2.047	4447.
#2	-.6073	189.5	1.344	4465.
#3	-.4954	190.5	1.191	4455.

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	3316.0	47549.	7493.9
Stddev	15.3	142.	68.8
%RSD	.46289	.29796	.91845
#1	3300.2	47390.	7474.3
#2	3330.8	47663.	7570.5
#3	3316.9	47593.	7437.1

Sample Name: 460-44765-c-5-d Acquired: 9/24/2012 20:19:27 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	83.23	-2.784	-.0785	227.2	-.0419	35760.
Stddev	15.18	.349	.9249	1.4	.1247	238.
%RSD	18.24	12.55	1178.	.6099	297.6	.6661

#1	65.73	-2.437	-.0876	228.3	-.1670	35860.
#2	92.92	-2.778	.8510	227.8	-.0410	35940.
#3	91.03	-3.136	-.9988	225.7	.0823	35490.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1152	.2449	.3131	-1.445	161.4	4684.
Stddev	.0374	.1566	.1068	2.145	7.5	15.
%RSD	32.43	63.94	34.12	148.5	4.656	.3292

#1	.1080	.4099	.3461	-.3079	167.6	4666.
#2	.0820	.2266	.3995	-.1076	163.6	4691.
#3	.1557	.0983	.1936	-3.919	153.0	4694.

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	20010.	65.87	71780.	2.382	.5133	.5809
Stddev	59.	.10	390.	.250	.6107	.9458
%RSD	.2950	.1499	.5435	10.48	119.0	162.8

#1	20000.	65.96	72220.	2.288	1.051	.5024
#2	20070.	65.88	71490.	2.193	.6404	-.3233
#3	19950.	65.77	71620.	2.665	-.1509	1.564

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44765-c-5-d Acquired: 9/24/2012 20:19:27 Type: Unk

Method: SW846_092412 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	1.418	-3.125	.2956	130.4	22.43	.3124
Stddev	1.516	.887	.5131	.9	.22	.1891
%RSD	106.9	28.39	173.6	.6941	1.001	60.54

#1	-.0622	-3.966	.7745	130.9	22.17	.4511
#2	2.967	-3.211	-.2460	131.0	22.53	.3892
#3	1.348	-2.198	.3582	129.4	22.59	.0969

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	-.2123	256.0	1.978	8016.
Stddev	.4114	1.2	1.534	9.
%RSD	193.8	.4582	77.57	.1099

#1	.0959	257.2	.2507	8014.
#2	-.6794	254.9	2.500	8009.
#3	-.0534	255.8	3.183	8026.

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	3263.9	46507.	7439.0
Stddev	11.0	55.	5.1
%RSD	.33608	.11768	.06872

#1	3275.8	46509.	7434.5
#2	3261.7	46452.	7444.5
#3	3254.2	46561.	7437.9

Sample Name: 460-44873-g-1-a Acquired: 9/24/2012 20:27:52 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	59.48	49.37	-.0032	185.0	.0424	105300.
Stddev	8.24	1.62	1.046	1.2	.0834	893.
%RSD	13.85	3.284	32340.	.6307	196.9	.8478

#1	68.99	49.80	1.205	186.1	.0171	105000.
#2	54.70	47.58	-.6094	183.8	.1355	104600.
#3	54.75	50.74	-.6052	185.2	-.0255	106300.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0868	.1625	.2016	2.215	3097.	5080.
Stddev	.1610	.1673	.3028	2.259	22.	51.
%RSD	185.6	102.9	150.2	102.0	.7108	1.004

#1	-.0990	.2910	.5340	2.057	3115.	5052.
#2	.1874	.2232	-.0584	4.549	3073.	5139.
#3	.1719	-.0266	.1292	.0398	3103.	5050.

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	20230.	357.4	38960.	1.057	.4399	-1.861
Stddev	80.	1.9	666.	.357	.2306	2.335
%RSD	.3969	.5245	1.710	33.78	52.42	125.5

#1	20200.	356.4	38770.	.7294	.3053	.3369
#2	20170.	356.2	39700.	1.005	.7062	-4.313
#3	20320.	359.5	38410.	1.438	.3082	-1.607

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44873-g-1-a Acquired: 9/24/2012 20:27:52 Type: Unk
Method: SW846_092412 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	-2566	-1.756	.8902	3.399	106.2	1.166
Stddev	6.568	.962	.1779	.075	1.3	.213
%RSD	2560.	54.76	19.98	2.207	1.250	18.28
#1	-1.524	-1.756	.8126	3.471	106.4	1.118
#2	6.853	-2.717	1.094	3.406	104.7	.9806
#3	-6.098	-.7939	.7642	3.321	107.3	1.399

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	2.437	1281.	3.986	7930.
Stddev	.034	23.	.393	66.
%RSD	1.375	1.796	9.863	.8272
#1	2.401	1274.	4.405	7986.
#2	2.466	1306.	3.625	7946.
#3	2.444	1262.	3.929	7858.

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	3254.6	46152.	7431.2
Stddev	23.5	94.	78.3
%RSD	.72084	.20309	1.0533
#1	3235.7	46044.	7463.0
#2	3280.8	46204.	7342.1
#3	3247.1	46208.	7488.6

Sample Name: 460-44873-g-2-a Acquired: 9/24/2012 20:32:05 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42.86	4.227	-.4475	18.67	.0461	72980.
Stddev	18.65	.628	.7112	.06	.0425	363.
%RSD	43.52	14.86	158.9	.3381	92.11	.4966

#1	58.23	4.947	-.9232	18.71	.0588	73090.
#2	22.11	3.936	.3700	18.71	-.0013	73280.
#3	48.24	3.796	-.7894	18.60	.0808	72580.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0837	-.0063	-.5200	-1.197	590.8	4573.
Stddev	.1039	.1499	.4886	4.053	19.4	26.
%RSD	124.1	2398.	93.96	338.6	3.286	.5745

#1	.0973	.0455	-.9021	1.049	613.0	4544.
#2	-.0263	.1109	.0306	-5.875	582.8	4594.
#3	.1802	-.1752	-.6885	1.235	576.7	4582.

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	15760.	63.07	72100.	1.505	-.9953	-2.450
Stddev	146.	.61	180.	.371	1.818	.898
%RSD	.9235	.9723	.2493	24.67	182.6	36.67

#1	15780.	63.25	71900.	1.924	-2.971	-3.350
#2	15610.	62.38	72220.	1.216	-.6206	-2.448
#3	15900.	63.56	72190.	1.375	.6060	-1.553

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44873-g-2-a Acquired: 9/24/2012 20:32:05 Type: Unk
Method: SW846_092412 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	-.2298	.0377	.0197	4.069	134.1	.2299
Stddev	3.593	1.544	.3471	.137	1.4	.2895
%RSD	1564.	4091.	1762.	3.361	1.058	125.9
#1	-3.777	1.725	.0830	4.085	135.7	.3031
#2	3.407	-1.304	-.3547	4.197	133.7	.4758
#3	-.3188	-.3076	.3308	3.925	132.9	-.0891

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	14.93	840.4	2.179	5920.
Stddev	.44	2.3	1.236	11.
%RSD	2.948	.2792	56.75	.1836
#1	14.60	837.7	2.454	5932.
#2	14.76	841.8	.8278	5913.
#3	15.43	841.7	3.254	5914.

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	3242.1	46403.	7378.5
Stddev	4.8	423.	23.0
%RSD	.14690	.91155	.31124
#1	3236.6	46471.	7397.5
#2	3244.9	46789.	7353.0
#3	3244.7	45951.	7385.0

Sample Name: 460-44873-g-5-a Acquired: 9/24/2012 20:36:20 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31.75	-2.562	-.0563	2.163	-.0467	221.9
Stddev	17.81	.435	.5190	.188	.1149	4.9
%RSD	56.08	16.99	921.5	8.683	246.1	2.193

#1	25.78	-2.503	.3311	2.194	.0769	216.4
#2	17.69	-3.024	-.6459	1.961	-.1501	223.6
#3	51.78	-2.159	.1459	2.332	-.0669	225.7

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0340	-.0578	-.1876	-.7567	7.039	81.93
Stddev	.0939	.5077	.3635	1.818	5.365	31.81
%RSD	276.1	878.1	193.8	240.3	76.22	38.83

#1	-.0081	-.3432	-.1065	-1.122	1.869	118.4
#2	-.0314	-.3585	-.5848	-2.364	12.58	60.12
#3	.1416	.5283	.1285	1.216	6.668	67.24

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	36.78	.4149	536.6	.0713	.4497	-1.318
Stddev	4.39	.1007	18.6	.5186	1.353	.419
%RSD	11.93	24.26	3.462	727.8	300.8	31.81

#1	39.29	.3834	555.0	.5671	.0305	-1.015
#2	39.33	.5275	537.0	.1142	1.963	-1.143
#3	31.71	.3337	517.9	-.4675	-.6439	-1.797

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44873-g-5-a Acquired: 9/24/2012 20:36:20 Type: Unk
Method: SW846_092412 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	-.1875	-.6765	.2437	2.587	13.91	-.0242
Stddev	.7934	2.608	.5604	.091	.12	.3216
%RSD	423.3	385.5	230.0	3.503	.8628	1327.
#1	-1.099	1.821	-.2194	2.655	13.84	-.1876
#2	.1892	-.4677	.8667	2.621	14.05	.3463
#3	.3475	-3.383	.0837	2.484	13.83	-.2313

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	.4013	.5278	-1.674	702.7
Stddev	.2147	.0720	.501	12.5
%RSD	53.50	13.64	29.96	1.773
#1	.6471	.5652	-2.076	717.0
#2	.2501	.5735	-1.834	696.5
#3	.3068	.4449	-1.112	694.5

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	3400.7	49752.	7493.4
Stddev	12.0	269.	14.4
%RSD	.35410	.54085	.19169
#1	3407.7	49924.	7504.4
#2	3386.8	49441.	7477.2
#3	3407.7	49889.	7498.8

Sample Name: 460-44889-e-1-b Acquired: 9/24/2012 20:40:41 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	139.9	57.50	.4281	130.3	-.0974	F 300700.
Stddev	11.9	2.29	.1694	4.0	.0800	754.
%RSD	8.528	3.981	39.56	3.065	82.07	.2507

#1	150.5	57.42	.2352	133.3	-.1855	300000.
#2	142.2	59.82	.5523	131.9	-.0294	300500.
#3	127.0	55.25	.4970	125.8	-.0773	301500.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1311	11.97	13.34	-1.256	7866.	74880.
Stddev	.1913	.84	.37	3.745	47.	652.
%RSD	145.9	7.045	2.745	298.3	.5916	.8704

#1	.0479	12.65	12.99	-.3421	7817.	74200.
#2	-.0045	12.22	13.72	-5.373	7910.	74930.
#3	.3500	11.03	13.33	1.948	7872.	75500.

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	F 387000.	1013.	F 267100.	20.66	.1373	-2.468
Stddev	5943.	3.	4266.	.27	1.815	1.956
%RSD	1.536	.2901	1.597	1.288	1322.	79.24

#1	382600.	1010.	264000.	20.96	.7151	-.2452
#2	384600.	1015.	265500.	20.58	1.593	-3.925
#3	393800.	1015.	272000.	20.45	-1.896	-3.235

Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.		250000.			
Low Limit	-2000.		-5000.			

Sample Name: 460-44889-e-1-b Acquired: 9/24/2012 20:40:41 Type: Unk
Method: SW846_092412 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	5.392	-3.809	8.035	6.630	F 11260.	2.017
Stddev	.406	1.356	.341	.202	173.	.166
%RSD	7.536	35.60	4.238	3.040	1.539	8.246
#1	5.802	-2.463	7.651	6.620	11400.	1.857
#2	5.386	-5.175	8.151	6.836	11320.	2.005
#3	4.989	-3.788	8.301	6.433	11070.	2.189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					2000.	
Low Limit					-50.00	

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	-.0747	1514.	14.40	18960.
Stddev	.4925	8.	.22	85.
%RSD	659.6	.5133	1.533	.4467
#1	-.6329	1506.	14.14	18940.
#2	.1103	1515.	14.55	18880.
#3	.2985	1521.	14.50	19050.
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	2999.1	42129.	7268.7
Stddev	16.8	202.	31.9
%RSD	.55975	.47871	.43833
#1	2991.5	42362.	7294.2
#2	3018.3	42011.	7278.9
#3	2987.4	42014.	7233.0

Sample Name: 460-44889-e-2-b Acquired: 9/24/2012 20:45:12 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	249.4	155.4	-2631	80.02	.0779	F 573900.
Stddev	4.5	6.9	1.414	3.01	.1259	4029.
%RSD	1.816	4.416	537.3	3.758	161.6	.7020

#1	249.1	159.6	.4865	80.88	-.0568	574200.
#2	254.1	159.1	-1.894	82.51	.0980	577700.
#3	245.0	147.5	.6180	76.68	.1925	569700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1171	12.41	93.14	2.057	120800.	F 172500.
Stddev	.5338	1.01	1.53	2.021	2467.	734.
%RSD	455.9	8.107	1.643	98.25	2.042	.4257

#1	.3103	12.42	91.64	.0917	118900.	172500.
#2	.0538	13.41	94.70	1.950	123600.	171800.
#3	-.7154	11.40	93.09	4.129	120000.	173300.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						100000.
Low Limit						-5000.

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 3779000.	5722.	F 517200.	23.43	-1.366	-.9358
Stddev	59430.	113.	4415.	1.53	2.235	.9653
%RSD	1.573	1.972	.8537	6.543	163.7	103.2

#1	3712000.	5614.	522300.	24.26	-2.114	-1.932
#2	3827000.	5839.	515200.	24.38	1.148	-.8708
#3	3798000.	5713.	514200.	21.66	-3.131	-.0046

Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.		250000.			
Low Limit	-2000.		-5000.			

Sample Name: 460-44889-e-2-b Acquired: 9/24/2012 20:45:12 Type: Unk

Method: SW846_092412 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	12.81	-11.29	39.94	1.892	F 19850.	3.134
Stddev	3.41	2.96	1.75	.258	556.	.533
%RSD	26.64	26.22	4.384	13.65	2.801	17.00
#1	16.70	-8.329	39.82	2.135	19940.	3.605
#2	10.35	-11.30	41.75	1.919	20350.	3.243
#3	11.37	-14.25	38.25	1.621	19250.	2.555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					2000.	
Low Limit					-50.00	

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	1.460	5628.	35.74	F 22050.
Stddev	.876	79.	.67	381.
%RSD	60.02	1.395	1.863	1.728
#1	2.332	5712.	36.41	21710.
#2	1.467	5616.	35.08	22460.
#3	.5801	5556.	35.72	21980.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

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	2632.4	36155.	6989.3
Stddev	24.9	516.	60.0
%RSD	.94595	1.4285	.85776
#1	2649.6	36750.	6951.5
#2	2603.9	35831.	7058.4
#3	2643.7	35883.	6958.0

Sample Name: CCV Acquired: 9/24/2012 20:49:48 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122000.	2438.	1236.	9922.	988.2	118100.
Stddev	1187.	10.	4.	30.	7.8	294.
%RSD	.9725	.4273	.2954	.2981	.7922	.2487

#1	121600.	2426.	1236.	9889.	985.8	117800.
#2	121100.	2444.	1233.	9944.	981.9	118300.
#3	123400.	2445.	1240.	9933.	997.0	118300.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1238.	2467.	5043.	12260.	99380.	50050.
Stddev	4.	10.	7.	108.	246.	329.
%RSD	.3282	.3896	.1343	.8833	.2471	.6579

#1	1234.	2457.	5046.	12230.	99190.	50030.
#2	1242.	2476.	5035.	12180.	99290.	49740.
#3	1240.	2467.	5047.	12380.	99660.	50390.

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	124600.	5038.	126900.	2482.	7536.	981.6
Stddev	288.	7.	1117.	8.	19.	5.6
%RSD	.2314	.1412	.8803	.3306	.2543	.5669

#1	124400.	5033.	126700.	2473.	7514.	975.7
#2	124600.	5034.	125900.	2490.	7548.	982.3
#3	125000.	5046.	128100.	2483.	7547.	986.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/24/2012 20:49:48 Type: QC
Method: SW846_092412 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	2426.	2514.	2483.	2445.	1006.	2481.
Stddev	12.	6.	2.	7.	6.	8.
%RSD	.4829	.2341	.0911	.2930	.5772	.3318
#1	2413.	2508.	2483.	2438.	1013.	2475.
#2	2435.	2516.	2481.	2452.	1006.	2490.
#3	2431.	2519.	2485.	2447.	1001.	2476.

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	5011.	9932.	9655.
Stddev	1.8	8.	90.	70.
%RSD	.1772	.1524	.9063	.7260
#1	994.1	5010.	9919.	9578.
#2	996.8	5004.	9849.	9715.
#3	993.5	5019.	10030.	9672.

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	3031.2	43026.	7105.1
Stddev	12.3	144.	79.3
%RSD	.40518	.33522	1.1167
#1	3044.4	43027.	7059.0
#2	3029.4	43170.	7196.7
#3	3020.0	42882.	7059.5

Sample Name: 460-44874-c-5-a Acquired: 9/24/2012 21:19:27 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	533.6	9.498	.1335	59.67	.0577	8120.
Stddev	12.8	.790	.4343	.40	.0726	47.
%RSD	2.400	8.319	325.4	.6627	125.9	.5733

#1	547.9	8.587	-.3629	59.45	.0266	8095.
#2	529.6	10.00	.3203	60.12	.1406	8091.
#3	523.3	9.903	.4430	59.43	.0058	8173.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.117	20.47	1.103	1.762	16390.	5566.
Stddev	.165	.18	.257	2.376	56.	100.
%RSD	5.291	.8674	23.28	134.9	.3442	1.800

#1	2.973	20.29	.8162	3.770	16360.	5482.
#2	3.297	20.49	1.180	-.8612	16350.	5541.
#3	3.081	20.64	1.312	2.377	16450.	5677.

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	5120.	1186.	103400.	5.405	.4867	-1.889
Stddev	16.	4.	198.	.402	1.065	1.044
%RSD	.3076	.3510	.1919	7.429	218.8	55.29

#1	5109.	1184.	103500.	5.844	.0394	-1.010
#2	5112.	1183.	103500.	5.056	-.2817	-3.044
#3	5138.	1191.	103100.	5.316	1.703	-1.612

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44874-c-5-a Acquired: 9/24/2012 21:19:27 Type: Unk
Method: SW846_092412 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	-0.6217	-4.593	1.256	9.123	84.93	1.153
Stddev	2.026	1.308	.433	.181	.51	.302
%RSD	325.9	28.49	34.50	1.989	.6021	26.18
#1	-1.397	-6.031	1.739	9.024	84.34	.8767
#2	-2.145	-3.474	.9027	9.333	85.25	1.475
#3	1.677	-4.273	1.125	9.013	85.21	1.107

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	-.1047	60.66	8.487	4833.
Stddev	.2140	.25	.205	23.
%RSD	204.4	.4190	2.415	.4787
#1	-.2248	60.38	8.719	4828.
#2	.1424	60.71	8.416	4812.
#3	-.2318	60.88	8.328	4858.

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	3313.8	47099.	7405.9
Stddev	10.3	140.	17.9
%RSD	.31213	.29723	.24159
#1	3321.5	46947.	7388.7
#2	3318.0	47126.	7404.4
#3	3302.1	47223.	7424.4

Sample Name: 460-44873-h-2-a Acquired: 9/24/2012 21:53:31 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57.59	1.436	-4.750	18.69	-.0785	68980.
Stddev	3.72	.483	.3590	.10	.0932	424.
%RSD	6.466	33.64	75.58	.5386	118.7	.6146

#1	53.44	.9827	-.0836	18.59	-.0509	69090.
#2	60.64	1.944	-.5524	18.70	-.1824	69340.
#3	58.69	1.381	-.7890	18.79	-.0022	68510.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0917	.0404	.0371	2.439	586.7	4500.
Stddev	.2414	.1732	.3008	3.324	14.6	24.
%RSD	263.3	429.1	810.0	136.3	2.485	.5298

#1	.2258	-.1026	-.2742	-1.164	580.2	4476.
#2	.2361	.2330	.3260	3.095	603.4	4524.
#3	-.1870	-.0093	.0596	5.387	576.5	4501.

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	15330.	62.09	70500.	.6520	-.2508	-1.376
Stddev	143.	.46	503.	.6965	.9577	1.161
%RSD	.9357	.7380	.7140	106.8	381.9	84.37

#1	15480.	62.48	70870.	1.246	.8300	-2.257
#2	15310.	62.20	70700.	-.1145	-.5882	-.0602
#3	15200.	61.58	69920.	.8242	-.9941	-1.813

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44873-h-2-a Acquired: 9/24/2012 21:53:31 Type: Unk
Method: SW846_092412 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	.8308	.0539	.5705	24.74	131.8	.4027
Stddev	1.681	1.349	.1249	.17	.6	.1495
%RSD	202.4	2504.	21.89	.6929	.4215	37.13
#1	2.772	.6260	.4314	24.92	131.3	.2952
#2	-.1283	-1.487	.6729	24.74	131.7	.5735
#3	-.1514	1.023	.6073	24.58	132.4	.3394

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	4.962	820.8	3.489	5744.
Stddev	.588	5.7	1.001	45.
%RSD	11.85	.6917	28.68	.7759
#1	4.338	824.3	4.026	5703.
#2	5.041	823.9	2.335	5737.
#3	5.506	814.3	4.107	5791.

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	3191.8	45973.	7238.4
Stddev	10.9	346.	79.7
%RSD	.34029	.75360	1.1017
#1	3197.7	45577.	7162.1
#2	3198.3	46123.	7231.7
#3	3179.2	46219.	7321.2

Sample Name: sd 460-44758-f-6-b Acquired: 9/24/2012 22:23:30 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25.94	-2.536	-.8832	27.74	-.0919	11150.
Stddev	16.89	3.933	.6962	.82	.0969	96.
%RSD	65.12	155.1	78.84	2.951	105.5	.8611

#1	45.26	-6.111	-1.435	28.33	-.0545	11200.
#2	13.91	-3.172	-1.113	28.08	-.2019	11220.
#3	18.67	1.677	-.1010	26.80	-.0192	11040.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0253	.0750	.1654	-1.678	1.887	1133.
Stddev	.1224	.2081	.3434	1.072	10.74	13.
%RSD	483.0	277.3	207.6	63.85	568.9	1.106

#1	.0902	.2549	.2588	-1.719	.7661	1141.
#2	.1017	-.1529	.4525	-2.729	13.14	1140.
#3	-.1158	.1232	-.2151	-.5870	-8.245	1119.

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	2080.	23.69	16990.	-.0855	.7287	-.7900
Stddev	44.	.61	124.	1.194	.2087	.4621
%RSD	2.119	2.589	.7274	1397.	28.64	58.49

#1	2055.	23.41	16990.	.4361	.7741	-.4254
#2	2054.	23.27	17110.	-1.451	.5011	-1.310
#3	2131.	24.40	16860.	.7585	.9110	-.6350

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-44758-f-6-b Acquired: 9/24/2012 22:23:30 Type: Unk

Method: SW846_092412 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	-3.065	-1.902	.2015	2.026	19.48	-.1722
Stddev	2.642	.704	.6622	.087	1.25	.3148
%RSD	86.20	37.04	328.7	4.314	6.417	182.8

#1	-5.921	-2.607	-.5596	2.115	19.16	.1372
#2	-.7089	-1.900	.5181	2.022	20.86	-.1615
#3	-2.564	-1.198	.6460	1.940	18.43	-.4921

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	-.1751	50.32	-.9542	1077.
Stddev	.4699	.41	.5972	16.
%RSD	268.5	.8209	62.59	1.466

#1	-.7153	50.41	-.3564	1064.
#2	.0506	50.68	-.9553	1095.
#3	.1395	49.87	-1.551	1072.

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	3265.2	47105.	7324.2
Stddev	24.1	721.	51.2
%RSD	.73804	1.5298	.69908

#1	3248.0	47345.	7298.0
#2	3254.9	47675.	7291.5
#3	3292.8	46295.	7383.2

Sample Name: 460-44718-f-3-b Acquired: 9/24/2012 22:56:42 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.98	-.1907	1.047	69.92	-.0282	34660.
Stddev	9.22	2.599	1.469	.31	.0611	362.
%RSD	84.04	1363.	140.4	.4420	216.6	1.044
#1	21.62	-2.357	-.1440	69.87	-.0947	35080.
#2	5.466	-.9064	2.688	70.25	-.0152	34440.
#3	5.837	2.692	.5954	69.64	.0253	34460.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1753	.0093	2.636	4.316	726.1	6949.
Stddev	.1247	.3843	.454	.816	11.4	76.
%RSD	71.15	4136.	17.21	18.91	1.570	1.097
#1	.0313	.4515	3.053	4.866	738.5	6885.
#2	.2452	-.1794	2.702	4.703	724.0	6929.
#3	.2494	-.2443	2.153	3.378	716.0	7033.

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	9003.	6493.	64970.	.2720	1.383	1.983
Stddev	36.	22.	348.	.4328	.701	1.733
%RSD	.3949	.3321	.5353	159.1	50.64	87.39
#1	8994.	6507.	64620.	.1608	1.702	3.463
#2	8973.	6468.	64960.	-.0943	.5802	.0768
#3	9043.	6504.	65320.	.7495	1.868	2.409

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44718-f-3-b Acquired: 9/24/2012 22:56:42 Type: Unk
Method: SW846_092412 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	-2.204	-4.800	.5680	2.838	95.00	.5130
Stddev	1.947	1.610	.2738	.190	.46	.2799
%RSD	88.32	33.54	48.21	6.695	.4801	54.56
#1	.0109	-3.465	.2591	3.057	94.82	.2323
#2	-3.643	-6.587	.7807	2.724	95.52	.5147
#3	-2.981	-4.346	.6643	2.733	94.67	.7920

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	-2.436	156.1	-2.074	11840.
Stddev	.1024	1.1	.638	3.
%RSD	42.02	.7253	30.78	.0261
#1	-.1651	155.1	-1.364	11850.
#2	-.3594	155.9	-2.602	11840.
#3	-.2064	157.3	-2.255	11840.

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	3247.2	46345.	7349.5
Stddev	13.4	355.	73.0
%RSD	.41326	.76511	.99330
#1	3253.1	46413.	7410.5
#2	3256.7	46662.	7369.3
#3	3231.9	45962.	7268.6

Sample Name: CCB Acquired: 9/24/2012 23:26:25 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-10.73	-2.778	.3335	.3566	.0508	-2.665
Stddev	26.81	1.065	.7102	.0883	.1137	6.516
%RSD	249.9	38.32	212.9	24.76	223.9	244.4
#1	-7.387	-2.341	-.2816	.2606	-.0064	-7.907
#2	14.25	-3.992	1.111	.3748	-.0230	-4.720
#3	-39.06	-2.002	.1715	.4344	.1818	4.630

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0137	.0354	-.0444	.9802	-13.88	196.6
Stddev	.1089	.0993	.4185	4.623	11.36	75.8
%RSD	796.6	280.9	941.9	471.7	81.85	38.57
#1	-.0504	.1484	-.1816	3.943	-14.01	263.6
#2	.1395	-.0047	-.3771	-4.347	-25.19	212.0
#3	-.0481	-.0377	.4255	3.345	-2.460	114.3

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	-2.844	-.1136	33.10	.4892	-.7578	-2.064
Stddev	.180	.0425	13.32	.4074	.9889	1.882
%RSD	6.318	37.42	40.25	83.27	130.5	91.19
#1	-2.886	-.0674	35.72	.2365	-.7259	-.8535
#2	-2.647	-.1511	44.92	.2720	-1.762	-4.232
#3	-2.998	-.1224	18.66	.9592	.2147	-1.106

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/24/2012 23:26:25 Type: QC
Method: SW846_092412 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	.6024	-.0156	.0955	-.2412	2.015	.9815
Stddev	4.065	2.182	.4805	.0985	1.193	.8805
%RSD	674.8	13980.	503.1	40.84	59.21	89.72
#1	1.598	-1.216	.2236	-.3299	3.095	1.979
#2	4.077	2.503	-.4361	-.2585	2.214	.6532
#3	-3.868	-1.334	.4990	-.1352	.7345	.3122

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	-.1699	.1934	-1.877	-4.862
Stddev	.2654	.0147	.946	7.065
%RSD	156.2	7.588	50.38	145.3
#1	-.0765	.2103	-.8002	-12.47
#2	-.4693	.1852	-2.572	-3.603
#3	.0362	.1846	-2.259	1.489

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	3309.5	47805.	7179.0
Stddev	2.9	679.	13.5
%RSD	.08707	1.4201	.18751
#1	3310.7	47551.	7172.2
#2	3311.6	47290.	7194.5
#3	3306.2	48574.	7170.2

Sample Name: 460-44830-b-7-b Acquired: 9/25/2012 0:00:45 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33.61	4.139	.4402	81.89	-.0248	66490.
Stddev	9.47	1.412	.8386	.46	.0731	86.
%RSD	28.18	34.12	190.5	.5641	294.3	.1299

#1	27.68	2.925	1.376	82.29	-.0296	66400.
#2	28.62	3.803	.1888	81.99	-.0955	66570.
#3	44.54	5.689	-.2439	81.38	.0505	66500.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1496	.2931	2.136	.0710	-16.18	26770.
Stddev	.0461	.1133	.224	1.302	14.89	77.
%RSD	30.79	38.65	10.49	1835.	92.01	.2865

#1	.0964	.1849	2.199	1.175	-32.64	26820.
#2	.1749	.2836	2.322	.4032	-3.640	26680.
#3	.1775	.4109	1.887	-1.365	-12.27	26810.

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	72780.	649.3	F 401700.	1.910	-.9282	-.3092
Stddev	258.	1.3	8462.	.560	3.294	.6509
%RSD	.3541	.1955	2.107	29.29	354.9	210.5

#1	72630.	648.1	410400.	1.343	2.699	-.8183
#2	73070.	650.6	393500.	1.925	-1.748	.4241
#3	72620.	649.2	401100.	2.462	-3.736	-.5334

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44830-b-7-b Acquired: 9/25/2012 0:00:45 Type: Unk
Method: SW846_092412 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	.2029	-3.247	-.1656	1.973	316.5	4.409
Stddev	2.402	2.706	.3171	.147	2.1	.229
%RSD	1184.	83.33	191.5	7.464	.6521	5.195
#1	2.038	-1.075	-.5316	2.142	317.5	4.302
#2	-2.515	-2.387	.0072	1.873	317.9	4.672
#3	1.086	-6.278	.0275	1.904	314.2	4.253

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	.2414	749.2	1.445	8631.
Stddev	.1954	3.7	2.263	83.
%RSD	80.92	.5002	156.6	.9596
#1	.3796	751.5	2.600	8541.
#2	.0179	744.9	-1.162	8649.
#3	.3268	751.3	2.897	8704.

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	3143.7	43876.	7656.3
Stddev	19.5	493.	38.6
%RSD	.61909	1.1233	.50377
#1	3166.1	44268.	7624.6
#2	3133.6	43323.	7699.3
#3	3131.3	44037.	7645.0

Sample Name: CCB Acquired: 9/24/2012 20:53:53 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8.964	-2.130	-.6153	-.0149	.0224	7.728
Stddev	21.58	1.374	.7056	.1192	.1232	4.946
%RSD	240.8	64.51	114.7	797.5	548.9	64.01

#1	15.56	-2.564	-1.078	-.1425	.0689	13.40
#2	-17.40	-3.233	-.9642	.0936	.1156	4.303
#3	-25.06	-.5912	.1967	.0041	-.1172	5.482

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1634	.2060	.1443	-1.114	-.4274	246.9
Stddev	.0965	.0928	.1563	3.022	3.369	36.7
%RSD	59.06	45.03	108.2	271.2	788.3	14.88

#1	.0522	.1839	.1159	1.944	3.425	225.2
#2	.2126	.1262	.3129	-1.188	-1.885	289.3
#3	.2253	.3078	.0043	-4.099	-2.822	226.2

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	12.25	-.0405	89.44	.3295	-.3617	-1.753
Stddev	5.03	.1040	45.74	.4243	1.087	3.570
%RSD	41.08	256.7	51.14	128.8	300.4	203.6

#1	18.04	.0773	135.5	.6367	.8691	1.464
#2	8.926	-1.199	88.76	-.1546	-.7651	-5.595
#3	9.784	-.0789	44.04	.5064	-1.189	-1.129

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/24/2012 20:53:53 Type: QC
Method: SW846_092412 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	.5600	-.6066	-.2766	-.4225	18.90	.7388
Stddev	1.256	.5760	.4059	.1212	3.27	.3962
%RSD	224.3	94.96	146.8	28.69	17.32	53.63
#1	1.845	-1.262	-.5024	-.3058	22.67	1.190
#2	-.6651	-.1798	.1920	-.4140	17.21	.5764
#3	.4999	-.3782	-.5194	-.5478	16.82	.4497

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	-.2001	.2197	-.3390	21.96
Stddev	.5610	.0571	1.229	23.50
%RSD	280.4	25.99	362.5	107.0
#1	.1097	.2598	-1.752	46.85
#2	-.8476	.1543	.2560	.1511
#3	.1377	.2450	.4792	18.88

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	3344.5	48255.	7272.9
Stddev	4.3	464.	49.7
%RSD	.12745	.96203	.68359
#1	3339.6	48323.	7217.4
#2	3347.0	48681.	7313.4
#3	3347.0	47760.	7288.0

Sample Name: 460-44889-e-3-b Acquired: 9/24/2012 20:58:13 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	88.16	280.6	.0455	165.0	.0831	88530.
Stddev	24.72	2.3	.6508	1.0	.1458	405.
%RSD	28.04	.8362	1429.	.6003	175.4	.4574

#1	96.98	283.2	.2728	165.8	.1248	88990.
#2	60.24	279.7	-.6885	165.3	-.0790	88210.
#3	107.3	278.8	.5522	163.9	.2035	88410.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3080	6.723	21.36	-3.428	131900.	14770.
Stddev	.2573	.290	.18	2.353	539.	107.
%RSD	83.53	4.315	.8482	68.65	.4088	.7251

#1	.4525	6.978	21.21	-4.500	131700.	14670.
#2	.4607	6.784	21.32	-.7296	131500.	14880.
#3	.0110	6.408	21.56	-5.054	132500.	14750.

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	93200.	4435.	218000.	2.382	-.9484	.3549
Stddev	417.	15.	1406.	1.146	.1466	2.680
%RSD	.4473	.3445	.6450	48.11	15.46	755.0

#1	92990.	4426.	216400.	2.329	-.7839	-1.621
#2	92930.	4426.	219200.	3.554	-.9959	-.7194
#3	93680.	4452.	218300.	1.264	-1.065	3.405

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44889-e-3-b Acquired: 9/24/2012 20:58:13 Type: Unk
Method: SW846_092412 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	4.125	-12.30	12.00	1.352	170.2	-.2859
Stddev	1.077	2.79	.61	.121	1.9	.6117
%RSD	26.10	22.68	5.113	8.965	1.140	214.0
#1	4.988	-15.38	12.70	1.484	171.9	.4144
#2	2.918	-9.947	11.71	1.327	170.5	-.5560
#3	4.469	-11.58	11.58	1.245	168.0	-.7160

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	2.080	959.6	-3.748	F 27450.
Stddev	.440	8.2	.191	116.
%RSD	21.13	.8509	5.096	.4212
#1	1.739	950.5	-3.930	27350.
#2	2.576	966.4	-3.766	27580.
#3	1.925	962.0	-3.549	27430.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

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	3191.0	44961.	7316.0
Stddev	2.5	326.	42.8
%RSD	.07980	.72545	.58453
#1	3188.2	45097.	7365.4
#2	3193.0	45197.	7291.7
#3	3191.9	44588.	7291.0

Sample Name: 460-44889-a-4-b Acquired: 9/24/2012 21:02:25 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28.98	-1.220	.7987	2.376	.0320	219.7
Stddev	6.38	1.968	.8521	.136	.1185	8.5
%RSD	22.03	161.3	106.7	5.703	370.0	3.886

#1	33.10	-3.484	1.472	2.230	.1630	228.6
#2	21.63	.0917	-.1593	2.498	-.0680	218.7
#3	32.22	-.2692	1.083	2.400	.0011	211.6

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0070	-.1853	.3872	2.267	164.7	217.7
Stddev	.1410	.1725	.7345	3.754	16.3	33.4
%RSD	2004.	93.13	189.7	165.6	9.904	15.35

#1	.1229	-.0796	.3230	6.574	182.7	241.9
#2	-.1499	-.3844	-.3130	.5371	160.2	231.8
#3	.0481	-.0918	1.152	-.3094	151.0	179.6

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	1037.	2.049	277.7	.1675	-.1420	-1.764
Stddev	12.	.100	29.1	.3546	.8234	1.558
%RSD	1.151	4.890	10.47	211.8	579.8	88.30

#1	1050.	2.161	300.3	-.1973	-1.092	-1.540
#2	1028.	1.967	288.0	.1886	.2984	-.3307
#3	1032.	2.019	244.9	.5110	.3675	-3.422

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44889-a-4-b Acquired: 9/24/2012 21:02:25 Type: Unk
Method: SW846_092412 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	1.895	-3.606	-.1177	2.430	14.04	-.0391
Stddev	1.124	2.213	.2777	.091	1.05	.1894
%RSD	59.31	61.37	236.0	3.727	7.497	484.8
#1	3.181	-2.710	-.2272	2.431	14.95	.1175
#2	1.400	-1.982	-.3239	2.520	14.29	.0149
#3	1.103	-6.127	.1981	2.339	12.89	-.2496

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	.4190	2.265	.1243	30.78
Stddev	.2998	.050	1.084	11.92
%RSD	71.55	2.185	872.3	38.73
#1	.2819	2.238	1.336	39.56
#2	.7628	2.322	-.2095	35.57
#3	.2123	2.234	-.7539	17.21

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	3400.8	49457.	7512.9
Stddev	6.3	326.	83.4
%RSD	.18491	.65847	1.1098
#1	3395.9	49255.	7538.8
#2	3407.9	49832.	7419.7
#3	3398.6	49282.	7580.3

Sample Name: 460-44885-e-1-b Acquired: 9/24/2012 21:06:45 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36.46	33.51	.0921	92.82	-.0506	70630.
Stddev	13.17	1.05	.2281	.32	.1342	923.
%RSD	36.11	3.145	247.6	.3413	265.4	1.307

#1	51.53	34.56	.0907	92.69	-.0809	69890.
#2	30.70	33.53	.3209	93.17	-.1670	70350.
#3	27.16	32.45	-.1352	92.58	.0962	71660.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3311	6.033	14.71	1.256	50540.	12360.
Stddev	.0864	.023	.78	.637	707.	76.
%RSD	26.09	.3763	5.325	50.68	1.399	.6182

#1	.3491	6.059	14.93	.7086	49870.	12400.
#2	.4072	6.022	15.36	1.105	50470.	12270.
#3	.2372	6.017	13.84	1.955	51280.	12410.

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	49870.	2409.	202000.	5.360	.7345	.2791
Stddev	728.	32.	2484.	.238	1.430	.1709
%RSD	1.459	1.312	1.230	4.437	194.7	61.22

#1	49190.	2380.	204500.	5.144	2.170	.4381
#2	49790.	2404.	199500.	5.320	-.6904	.3009
#3	50640.	2442.	202000.	5.615	.7240	.0984

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44885-e-1-b Acquired: 9/24/2012 21:06:45 Type: Unk
Method: SW846_092412 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	1.253	-8.362	4.482	9.537	134.2	.5212
Stddev	.551	1.745	.418	.113	.8	.1882
%RSD	43.98	20.87	9.333	1.183	.6156	36.11
#1	.8825	-8.740	4.825	9.621	133.9	.3273
#2	.9903	-9.888	4.016	9.581	135.2	.7032
#3	1.886	-6.459	4.604	9.409	133.6	.5331

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	.4677	745.4	-.7284	17860.
Stddev	.4708	8.0	.5018	97.
%RSD	100.6	1.075	68.89	.5428
#1	.6439	752.0	-.3041	17790.
#2	.8250	736.5	-.5988	17820.
#3	-.0657	747.7	-1.282	17970.

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	3183.9	44621.	7323.1
Stddev	3.1	355.	99.4
%RSD	.09787	.79638	1.3579
#1	3185.8	45029.	7210.4
#2	3185.7	44449.	7398.5
#3	3180.3	44384.	7360.4

Sample Name: 460-44874-c-1-a Acquired: 9/24/2012 21:10:58 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1582.	6.948	.1126	36.32	.1021	11760.
Stddev	19.	1.009	.4474	.42	.0363	30.
%RSD	1.206	14.53	397.5	1.143	35.51	.2569

#1	1602.	7.498	.5913	36.57	.0681	11720.
#2	1564.	7.564	.0413	36.55	.1403	11780.
#3	1580.	5.783	-.2950	35.84	.0979	11760.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7812	3.284	5.674	202.8	8879.	4181.
Stddev	.1695	.126	.697	4.8	98.	88.
%RSD	21.70	3.823	12.29	2.344	1.108	2.110

#1	.7883	3.371	6.469	205.3	8781.	4271.
#2	.9471	3.341	5.384	197.4	8978.	4094.
#3	.6083	3.140	5.168	205.9	8879.	4178.

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	6097.	388.2	44710.	5.099	10.47	-.2509
Stddev	53.	4.0	511.	.176	.96	2.823
%RSD	.8716	1.019	1.143	3.453	9.217	1125.

#1	6048.	384.1	44630.	4.896	10.74	-.4461
#2	6154.	392.0	44230.	5.210	11.27	2.665
#3	6089.	388.4	45250.	5.191	9.395	-2.971

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44874-c-1-a Acquired: 9/24/2012 21:10:58 Type: Unk

Method: SW846_092412 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	2.497	-2.859	12.02	105.8	124.7	3.906
Stddev	3.224	2.359	.38	1.2	.9	.417
%RSD	129.1	82.50	3.133	1.106	.7275	10.68

#1	2.234	-.2754	12.19	105.7	124.5	3.794
#2	-.5875	-4.898	12.29	107.0	125.7	4.368
#3	5.845	-3.405	11.59	104.7	123.9	3.557

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	.8976	74.23	36.93	4999.
Stddev	.1786	.85	.63	23.
%RSD	19.90	1.146	1.711	.4576

#1	.7115	73.95	36.52	4982.
#2	.9137	73.55	36.60	5025.
#3	1.068	75.18	37.65	4990.

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	3338.8	48266.	7497.7
Stddev	16.7	272.	98.0
%RSD	.50113	.56411	1.3074

#1	3347.7	48440.	7462.5
#2	3319.4	47952.	7608.5
#3	3349.1	48405.	7422.2

Sample Name: 460-44874-c-3-a Acquired: 9/24/2012 21:15:11 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41.99	2.676	-.4375	30.23	-.0058	26450.
Stddev	19.69	.644	.6723	.31	.2053	241.
%RSD	46.89	24.05	153.7	1.041	3524.	.9092

#1	60.33	2.224	-.5159	30.22	.1207	26380.
#2	21.19	2.391	-1.067	30.54	.1045	26720.
#3	44.45	3.413	.2705	29.91	-.2427	26250.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0869	.0572	-.1089	2.863	3956.	4379.
Stddev	.1026	.1474	.2415	4.074	26.	51.
%RSD	118.0	257.5	221.8	142.3	.6593	1.159

#1	.1220	.1973	.0770	7.517	3926.	4429.
#2	-.0286	-.0965	-.0218	1.127	3969.	4382.
#3	.1673	.0708	-.3818	-.0558	3974.	4327.

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	5158.	56.02	9915.	.3010	.2560	-1.674
Stddev	67.	.44	56.	.8098	1.307	1.133
%RSD	1.292	.7798	.5656	269.0	510.4	67.71

#1	5081.	55.52	9978.	-.0271	1.635	-.5129
#2	5200.	56.27	9872.	-.2932	.0965	-2.777
#3	5192.	56.28	9895.	1.223	-.9636	-1.731

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44874-c-3-a Acquired: 9/24/2012 21:15:11 Type: Unk
Method: SW846_092412 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	1.106	-.6732	.4069	2.500	100.7	.0834
Stddev	2.097	1.939	.2024	.123	1.5	.4197
%RSD	189.5	288.1	49.74	4.906	1.503	503.1
#1	-.7544	-1.366	.2471	2.362	100.3	-.2360
#2	.6958	-2.171	.3391	2.542	102.3	-.0725
#3	3.378	1.517	.6344	2.596	99.38	.5588

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	-.3861	174.9	.6112	4856.
Stddev	.2059	.8	.8231	62.
%RSD	53.32	.4697	134.7	1.282
#1	-.3525	175.8	-.2125	4795.
#2	-.1991	174.7	.6123	4919.
#3	-.6068	174.2	1.434	4855.

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	3354.0	48261.	7454.5
Stddev	18.8	570.	69.5
%RSD	.56054	1.1818	.93203
#1	3371.5	48917.	7375.7
#2	3334.1	47886.	7507.1
#3	3356.5	47979.	7480.6

Sample Name: 460-44874-c-7-a Acquired: 9/24/2012 21:23:44 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	87.68	-1.412	-.4648	49.89	.0038	36240.
Stddev	15.36	2.336	1.933	.85	.0536	372.
%RSD	17.51	165.4	416.0	1.714	1394.	1.026

#1	86.72	-2.046	.0503	50.75	-.0579	36670.
#2	72.82	1.175	-2.603	49.89	.0382	36040.
#3	103.5	-3.367	1.159	49.04	.0313	36010.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1303	3.029	.5071	-1.182	32320.	7170.
Stddev	.1573	.109	.4026	1.851	285.	114.
%RSD	120.7	3.594	79.39	156.6	.8824	1.587

#1	.3119	2.923	.1343	-1.301	32610.	7059.
#2	.0366	3.141	.9339	-2.970	32320.	7166.
#3	.0424	3.023	.4529	.7257	32040.	7286.

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	8110.	523.9	211600.	1.862	-.1362	-.0816
Stddev	73.	4.1	2590.	.503	.7955	2.185
%RSD	.8980	.7870	1.224	27.01	583.9	2677.

#1	8179.	527.5	209300.	1.297	.7682	-2.101
#2	8117.	524.8	211000.	2.262	-.7274	2.237
#3	8034.	519.4	214400.	2.026	-.4495	-.3806

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44874-c-7-a Acquired: 9/24/2012 21:23:44 Type: Unk
Method: SW846_092412 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	1.409	-1.543	-.2363	5.705	186.0	-.1644
Stddev	1.080	.315	.4965	.071	2.5	.3072
%RSD	76.68	20.39	210.1	1.247	1.345	186.9
#1	2.647	-1.227	.3366	5.787	188.0	-.1044
#2	.9200	-1.545	-.5412	5.663	186.8	-.4971
#3	.6596	-1.857	-.5044	5.664	183.2	.1084

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	.4367	241.5	.1508	3362.
Stddev	.5264	2.7	.9661	20.
%RSD	120.5	1.112	640.7	.5832
#1	1.034	239.1	.4646	3385.
#2	.2364	241.1	.9210	3348.
#3	.0399	244.4	-.9332	3353.

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	3195.6	45321.	7365.8
Stddev	16.6	212.	121.1
%RSD	.51871	.46762	1.6447
#1	3179.3	45077.	7453.4
#2	3212.5	45464.	7416.5
#3	3194.9	45421.	7227.6

Sample Name: 460-44874-c-9-a Acquired: 9/24/2012 21:27:59 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	759.1	.7977	-.1122	8.068	.0334	6738.
Stddev	10.3	1.513	.8938	.151	.1015	83.
%RSD	1.355	189.6	796.9	1.870	304.3	1.230

#1	761.7	2.451	.6273	8.219	-.0558	6687.
#2	767.9	.4581	-1.105	8.068	.0120	6694.
#3	747.8	-.5162	.1416	7.917	.1439	6834.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0931	.2255	2.328	2.384	1946.	1749.
Stddev	.1041	.1756	.480	2.101	10.	42.
%RSD	111.8	77.90	20.64	88.13	.5180	2.375

#1	.1554	.3039	2.588	4.218	1956.	1794.
#2	-.0271	.0243	2.622	.0915	1936.	1739.
#3	.1510	.3483	1.774	2.843	1946.	1713.

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	1418.	42.03	27040.	2.311	1.599	-.8639
Stddev	3.	.14	224.	.569	.676	1.504
%RSD	.2409	.3299	.8275	24.61	42.30	174.1

#1	1418.	42.02	27270.	1.783	.8534	-2.536
#2	1421.	42.18	27010.	2.913	1.771	.3780
#3	1414.	41.90	26830.	2.236	2.173	-.4340

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44874-c-9-a Acquired: 9/24/2012 21:27:59 Type: Unk
Method: SW846_092412 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	.0689	-2.328	2.770	15.87	99.09	.4503
Stddev	1.128	.616	.386	.01	.69	.3337
%RSD	1637.	26.45	13.95	.0665	.6949	74.10
#1	1.122	-2.169	2.361	15.88	99.29	.8315
#2	-1.120	-1.808	3.128	15.86	98.33	.3087
#3	.2046	-3.008	2.820	15.87	99.66	.2108

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	.1483	27.38	27.86	2235.
Stddev	.2845	.09	2.21	23.
%RSD	191.9	.3402	7.923	1.015
#1	.0189	27.46	30.04	2209.
#2	.4745	27.41	25.63	2243.
#3	-.0486	27.28	27.91	2252.

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	3350.8	48186.	7445.8
Stddev	42.6	133.	52.9
%RSD	1.2727	.27580	.71014
#1	3382.3	48123.	7393.9
#2	3367.9	48096.	7499.6
#3	3302.3	48339.	7444.0

Sample Name: 460-44874-c-11-a Acquired: 9/24/2012 21:32:16 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2603.	-1.015	-.5772	81.46	.0952	24050.
Stddev	40.	.204	.4735	1.82	.0226	108.
%RSD	1.542	20.13	82.04	2.236	23.71	.4487

#1	2646.	-.7913	-.1249	82.94	.1008	23970.
#2	2597.	-1.062	-1.069	82.00	.1144	24010.
#3	2567.	-1.192	-.5372	79.43	.0703	24180.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0458	7.974	4.869	3.503	13560.	5124.
Stddev	.0377	.115	.947	2.193	177.	38.
%RSD	82.31	1.436	19.45	62.62	1.303	.7466

#1	.0618	8.097	5.959	2.254	13420.	5121.
#2	.0027	7.957	4.387	6.035	13760.	5087.
#3	.0728	7.870	4.260	2.219	13500.	5164.

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	13200.	1240.	F 289800.	8.443	-.3067	-1.143
Stddev	158.	14.	2742.	.506	1.143	1.869
%RSD	1.193	1.163	.9460	5.998	372.8	163.6

#1	13070.	1228.	290000.	8.040	.7483	-3.301
#2	13370.	1256.	287100.	9.011	-1.522	-.0809
#3	13160.	1236.	292500.	8.277	-.1469	-.0465

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44874-c-11-a Acquired: 9/24/2012 21:32:16 Type: Unk

Method: SW846_092412 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	.1326	-4.290	4.107	38.19	595.2	.3353
Stddev	1.128	.486	.888	.57	.9	.1844
%RSD	851.1	11.32	21.62	1.496	.1473	55.01

#1	1.433	-4.637	5.132	38.65	594.7	.3609
#2	-.5942	-4.498	3.577	38.38	596.2	.5056
#3	-.4405	-3.735	3.612	37.55	594.8	.1394

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	.3521	205.5	78.35	7075.
Stddev	.0681	2.3	3.98	21.
%RSD	19.35	1.101	5.080	.2973

#1	.3691	205.4	81.47	7052.
#2	.2770	203.3	73.87	7093.
#3	.4100	207.8	79.73	7080.

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	3189.9	44464.	7299.2
Stddev	14.3	370.	73.2
%RSD	.44757	.83180	1.0034

#1	3173.8	44494.	7217.6
#2	3194.8	44081.	7359.3
#3	3201.1	44819.	7320.6

Sample Name: 460-44874-c-13-a Acquired: 9/24/2012 21:36:36 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	983.4	-1.027	-.9552	15.54	.0278	5487.
Stddev	18.9	2.377	.3660	.62	.0156	79.
%RSD	1.924	231.4	38.31	3.970	56.11	1.449

#1	1000.	1.264	-.9311	16.16	.0199	5462.
#2	963.0	-3.481	-1.333	15.54	.0177	5575.
#3	987.1	-.8649	-.6018	14.93	.0457	5422.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2224	3.061	4.327	9.285	8413.	3264.
Stddev	.1288	.193	.166	2.245	26.	34.
%RSD	57.90	6.314	3.827	24.18	.3056	1.033

#1	.1360	2.897	4.383	11.71	8384.	3300.
#2	.3703	3.011	4.140	7.282	8434.	3233.
#3	.1607	3.274	4.457	8.863	8422.	3259.

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	1302.	169.6	212300.	3.889	6.121	-1.111
Stddev	5.	.7	520.	.746	1.226	2.877
%RSD	.3564	.4053	.2448	19.19	20.03	258.9

#1	1297.	168.9	212800.	3.081	5.036	-3.623
#2	1302.	170.1	211800.	4.035	5.877	2.027
#3	1306.	169.9	212400.	4.552	7.451	-1.738

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44874-c-13-a Acquired: 9/24/2012 21:36:36 Type: Unk

Method: SW846_092412 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	-0.8694	-2.093	2.611	86.54	33.18	.3182
Stddev	1.264	1.095	.459	.99	.68	.2879
%RSD	145.4	52.31	17.59	1.148	2.050	90.46

#1	-2.293	-1.111	2.259	87.25	33.92	.3824
#2	.1241	-1.895	2.443	86.96	33.06	.0037
#3	-.4397	-3.274	3.130	85.40	32.58	.5686

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	.0347	29.41	32.72	3230.
Stddev	.1920	.26	5.73	71.
%RSD	553.0	.8790	17.51	2.210

#1	.0873	29.71	29.41	3286.
#2	.1949	29.21	39.33	3254.
#3	-.1780	29.32	29.40	3150.

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	3240.2	45460.	7439.8
Stddev	14.3	586.	81.5
%RSD	.44024	1.2888	1.0960

#1	3255.8	45550.	7433.3
#2	3228.0	45995.	7524.4
#3	3236.7	44834.	7361.7

Sample Name: CCV Acquired: 9/24/2012 21:40:52 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123000.	2436.	1245.	9908.	992.9	115600.
Stddev	696.	19.	3.	62.	6.2	584.
%RSD	.5662	.7779	.2658	.6301	.6224	.5050

#1	123800.	2455.	1248.	9958.	1000.0	116100.
#2	122500.	2437.	1241.	9928.	989.3	114900.
#3	122600.	2418.	1246.	9838.	989.3	115700.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1237.	2461.	5082.	12370.	100200.	50330.
Stddev	9.	19.	15.	86.	300.	355.
%RSD	.7321	.7563	.2957	.6921	.2990	.7047

#1	1244.	2475.	5098.	12470.	100500.	50740.
#2	1241.	2468.	5068.	12320.	99920.	50180.
#3	1227.	2439.	5082.	12320.	100100.	50080.

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.	5080.	127700.	2486.	7543.	980.3
Stddev	295.	13.	684.	19.	53.	6.0
%RSD	.2350	.2615	.5356	.7540	.7042	.6107

#1	125800.	5095.	128500.	2500.	7584.	983.2
#2	125200.	5069.	127300.	2492.	7562.	984.3
#3	125400.	5077.	127300.	2465.	7483.	973.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/24/2012 21:40:52 Type: QC
Method: SW846_092412 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	2425.	2510.	2504.	2444.	970.8	2480.
Stddev	17.	14.	8.	18.	3.6	23.
%RSD	.6831	.5770	.3065	.7503	.3701	.9134

#1	2435.	2522.	2511.	2457.	973.4	2498.
#2	2434.	2515.	2496.	2451.	972.3	2488.
#3	2406.	2494.	2504.	2423.	966.7	2455.

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	995.3	5009.	10000.	9542.
Stddev	9.8	59.	71.	53.
%RSD	.9848	1.178	.7109	.5563

#1	1001.	4942.	10080.	9601.
#2	1001.	5034.	9966.	9497.
#3	984.0	5052.	9953.	9528.

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	3031.4	42835.	7071.4
Stddev	3.3	135.	29.9
%RSD	.10942	.31441	.42310

#1	3028.3	42708.	7044.3
#2	3031.1	42976.	7066.2
#3	3034.9	42820.	7103.5

Sample Name: CCB Acquired: 9/24/2012 21:44:57 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.919	-2.492	.1563	.0395	.1055	4.284
Stddev	16.76	.362	.3744	.2185	.0489	8.341
%RSD	187.9	14.54	239.5	553.3	46.37	194.7

#1	25.67	-2.905	.5436	.2183	.0687	12.22
#2	8.940	-2.341	.1291	.1041	.0868	-4.408
#3	-7.848	-2.229	-.2037	-.2040	.1610	5.039

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0193	-.0053	.1471	.1882	-7.937	177.1
Stddev	.0742	.0110	.1327	.9115	10.59	62.3
%RSD	384.8	207.6	90.20	484.2	133.4	35.19

#1	.0406	.0051	.0746	.1354	-13.09	237.9
#2	.0039	-.0042	.3002	-.6957	-14.96	180.0
#3	-.1022	-.0167	.0665	1.125	4.241	113.3

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	4.628	.0747	83.95	.3303	-1.028	-1.296
Stddev	3.366	.1714	33.63	.0801	1.609	2.393
%RSD	72.74	229.6	40.06	24.26	156.5	184.6

#1	8.427	.2724	122.2	.3868	-2.886	-3.917
#2	2.018	-.0156	58.99	.2386	-.0625	.7729
#3	3.439	-.0328	70.67	.3653	-.1363	-.7449

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/24/2012 21:44:57 Type: QC
Method: SW846_092412 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	.8141	-.9409	-.2104	-.3449	1.733	.7099
Stddev	1.708	1.694	.0831	.1653	1.041	.4889
%RSD	209.8	180.0	39.49	47.92	60.09	68.87
#1	-.9237	.6624	-.1565	-.2081	2.866	.8379
#2	.8761	-.7727	-.3061	-.2980	.8195	1.122
#3	2.490	-2.712	-.1686	-.5285	1.512	.1698

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	-.1375	.1759	-2.733	17.47
Stddev	.3578	.2892	2.024	14.51
%RSD	260.3	164.4	74.05	83.08
#1	-.4031	.5011	-1.679	14.60
#2	-.2787	-.0524	-5.065	4.607
#3	.2694	.0791	-1.453	33.21

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	3334.6	48345.	7243.5
Stddev	9.4	96.	14.5
%RSD	.28124	.19812	.19997
#1	3324.9	48317.	7228.8
#2	3343.7	48267.	7244.0
#3	3335.1	48452.	7257.7

Sample Name: 460-44873-i-1-a Acquired: 9/24/2012 21:49:17 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	114.2	51.94	-5693	191.8	.0017	106000.
Stddev	6.9	1.82	.4128	.3	.0959	380.
%RSD	6.010	3.496	72.51	.1748	5706.	.3589
#1	106.3	54.02	-1.039	192.1	-.0183	105700.
#2	119.0	51.12	-.2618	191.5	-.0827	105700.
#3	117.2	50.68	-.4075	191.6	.1060	106400.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4184	.1120	-.7687	1.323	3350.	5359.
Stddev	.1418	.1222	.3436	2.675	10.	106.
%RSD	33.89	109.0	44.69	202.2	.3065	1.977
#1	.4806	.1329	-.4201	-.2234	3360.	5243.
#2	.2561	.2224	-1.107	-.2199	3352.	5384.
#3	.5184	-.0192	-.7791	4.412	3339.	5450.

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	20780.	363.8	40820.	1.049	.2081	-1.050
Stddev	69.	.6	450.	.722	.7990	.936
%RSD	.3323	.1633	1.101	68.79	383.9	89.16
#1	20860.	364.4	40320.	.4669	-.0082	-1.157
#2	20730.	363.2	41190.	1.857	1.093	-.0648
#3	20740.	363.7	40950.	.8238	-.4604	-1.927

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44873-i-1-a Acquired: 9/24/2012 21:49:17 Type: Unk
Method: SW846_092412 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	-2.189	-2.528	1.220	3.590	110.7	1.513
Stddev	2.314	1.479	.342	.093	.4	.225
%RSD	105.7	58.52	28.00	2.603	.4048	14.86
#1	.0989	-.8582	1.554	3.612	111.2	1.279
#2	-4.528	-3.674	1.233	3.488	110.4	1.728
#3	-2.139	-3.053	.8716	3.670	110.5	1.532

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	1.271	1358.	5.535	7882.
Stddev	.288	16.	1.034	99.
%RSD	22.66	1.167	18.68	1.255
#1	1.158	1340.	6.193	7777.
#2	1.598	1370.	6.070	7897.
#3	1.056	1363.	4.344	7973.

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	3248.6	45852.	7403.4
Stddev	26.8	298.	25.6
%RSD	.82348	.65062	.34560
#1	3253.9	45807.	7432.9
#2	3272.3	46171.	7389.3
#3	3219.6	45579.	7387.9

Sample Name: 460-44873-i-5-a Acquired: 9/24/2012 21:57:44 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.09	-3.725	-.6833	2.219	.0384	227.3
Stddev	12.28	1.758	.5366	.100	.0697	14.0
%RSD	25.53	47.19	78.54	4.508	181.6	6.168

#1	49.91	-1.976	-.2605	2.204	.0207	237.0
#2	35.01	-5.492	-.5023	2.326	-.0208	233.7
#3	59.37	-3.706	-1.287	2.128	.1152	211.3

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0081	-.1236	-.4730	1.668	2.778	73.82
Stddev	.1446	.2389	.0816	1.881	1.607	18.88
%RSD	1788.	193.3	17.25	112.8	57.86	25.58

#1	.1744	-.3841	-.3827	1.168	1.313	92.78
#2	-.0630	-.0717	-.5413	.0870	2.524	73.66
#3	-.0872	.0851	-.4950	3.749	4.498	55.02

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	42.01	.3436	564.9	.4414	.5083	.0906
Stddev	2.03	.0427	11.4	.5591	.6382	1.507
%RSD	4.840	12.43	2.013	126.7	125.5	1664.

#1	42.08	.3231	574.2	-.1029	-.0651	1.654
#2	39.94	.3150	552.2	.4129	.3942	-.0295
#3	44.01	.3927	568.2	1.014	1.196	-1.353

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44873-i-5-a Acquired: 9/24/2012 21:57:44 Type: Unk
Method: SW846_092412 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	-.0776	-.8975	-.1989	47.80	15.26	-.2433
Stddev	1.608	1.806	.3044	.43	.57	.0244
%RSD	2073.	201.2	153.1	.8970	3.744	10.03
#1	-1.292	1.074	-.1320	48.03	15.39	-.2170
#2	1.746	-1.297	-.5311	48.06	15.76	-.2477
#3	-.6861	-2.470	.0666	47.30	14.64	-.2652

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	.3462	.6253	-1.448	721.6
Stddev	.3028	.2409	1.758	14.3
%RSD	87.45	38.53	121.4	1.986
#1	.6469	.7427	-2.071	728.5
#2	.3503	.3482	-2.810	731.2
#3	.0414	.7850	.5368	705.2

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	3394.9	49394.	7474.7
Stddev	11.9	127.	43.0
%RSD	.35054	.25671	.57548
#1	3389.8	49360.	7456.0
#2	3386.4	49287.	7523.9
#3	3408.5	49534.	7444.2

Sample Name: 460-44927-d-5-b Acquired: 9/24/2012 22:02:03 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3134.	-.3368	-.6105	184.1	.1820	115000.
Stddev	20.	1.712	1.057	1.4	.1835	574.
%RSD	.6280	508.4	173.1	.7779	100.8	.4990

#1	3116.	-.0905	-.9818	185.4	.3706	114600.
#2	3131.	-2.159	-1.431	184.4	.1715	115700.
#3	3155.	1.239	.5817	182.6	.0040	114700.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2797	32.10	17.04	128.0	949.2	83200.
Stddev	.0796	.60	.62	4.2	14.9	282.
%RSD	28.45	1.858	3.648	3.283	1.572	.3385

#1	.3711	32.75	17.15	124.5	964.4	83480.
#2	.2424	31.58	17.60	126.7	934.6	83220.
#3	.2256	31.97	16.37	132.6	948.6	82910.

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	569.9	17.21	99960.	4.908	19.42	1.257
Stddev	4.9	.16	340.	.436	1.11	2.056
%RSD	.8565	.9374	.3399	8.878	5.698	163.5

#1	574.8	17.39	99640.	4.407	18.32	3.372
#2	565.0	17.08	100300.	5.116	19.40	1.136
#3	569.9	17.16	99920.	5.201	20.54	-.7354

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44927-d-5-b Acquired: 9/24/2012 22:02:03 Type: Unk

Method: SW846_092412 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	2.364	-2.216	3.260	137.1	11.87	16.50
Stddev	3.431	1.112	.279	1.1	1.40	.18
%RSD	145.1	50.20	8.556	.8353	11.78	1.107

#1	5.070	-3.394	2.976	138.1	13.04	16.71
#2	3.519	-2.070	3.271	137.3	12.25	16.41
#3	-1.495	-1.184	3.534	135.9	10.32	16.39

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	1.192	2529.	34.90	4746.
Stddev	.670	6.	1.16	61.
%RSD	56.19	.2390	3.318	1.295

#1	.6133	2523.	35.76	4806.
#2	1.037	2535.	35.36	4683.
#3	1.925	2528.	33.59	4749.

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	3188.7	45321.	7382.2
Stddev	18.4	310.	25.2
%RSD	.57706	.68468	.34140

#1	3175.4	45081.	7411.3
#2	3209.7	45672.	7368.9
#3	3181.0	45211.	7366.5

Sample Name: 460-44927-d-6-b Acquired: 9/24/2012 22:06:16 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4321.	-1.307	-.5325	303.1	.0323	131300.
Stddev	18.	1.032	.1076	5.9	.1714	790.
%RSD	.4133	79.01	20.21	1.946	530.7	.6011

#1	4318.	-.4844	-.4612	307.8	-.1572	131400.
#2	4340.	-2.466	-.4800	305.0	.0776	132100.
#3	4304.	-.9705	-.6564	296.5	.1766	130500.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2304	23.12	7.549	5.575	708.0	F 128200.
Stddev	.0740	.59	.582	3.741	22.3	1327.
%RSD	32.10	2.531	7.703	67.10	3.145	1.036

#1	.2679	23.39	7.866	6.711	699.7	129300.
#2	.2782	23.53	7.902	8.615	733.3	128600.
#3	.1452	22.45	6.877	1.397	691.1	126700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						100000.
Low Limit						-5000.

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	153.3	10.92	161700.	3.644	-.3313	-1.662
Stddev	2.6	.12	1512.	.257	1.128	2.592
%RSD	1.687	1.105	.9348	7.048	340.6	156.0

#1	150.9	10.94	162800.	3.455	-1.072	-1.547
#2	156.0	11.03	162400.	3.937	-.8897	.8706
#3	153.0	10.79	160000.	3.541	.9674	-4.310

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44927-d-6-b Acquired: 9/24/2012 22:06:16 Type: Unk
Method: SW846_092412 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	-3.189	-1.582	1.417	10.83	7.994	5.108
Stddev	1.729	1.610	.195	.42	.321	.341
%RSD	54.22	101.7	13.73	3.841	4.018	6.677
#1	-2.819	-3.438	1.440	11.20	8.299	5.478
#2	-1.676	-.7558	1.599	10.92	7.659	4.806
#3	-5.074	-.5535	1.211	10.38	8.026	5.040

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	-.7691	6157.	28.97	2677.
Stddev	.0881	47.	1.28	32.
%RSD	11.46	.7677	4.411	1.206
#1	-.6939	6146.	29.09	2702.
#2	-.8660	6116.	27.64	2687.
#3	-.7472	6209.	30.18	2640.

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	3152.1	44155.	7247.0
Stddev	7.2	228.	53.1
%RSD	.22858	.51603	.73238
#1	3150.1	44280.	7222.1
#2	3146.1	43892.	7210.9
#3	3160.1	44294.	7307.9

Sample Name: 460-44944-a-3-a Acquired: 9/24/2012 22:10:41 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30.84	-2.034	-.2040	-.1113	-.0225	43.72
Stddev	7.63	.998	.4887	.1677	.0239	5.11
%RSD	24.73	49.07	239.5	150.7	105.9	11.69

#1	30.53	-3.067	-.1138	.0762	.0050	47.24
#2	38.62	-1.960	.2332	-.2469	-.0358	37.86
#3	23.37	-1.075	-.7315	-.1633	-.0368	46.06

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0624	-.1032	.2766	.2958	-2.102	322.2
Stddev	.1245	.4967	.4525	3.022	4.763	85.3
%RSD	199.4	481.4	163.6	1022.	226.6	26.49

#1	.0150	-.3503	.4543	.7984	-6.963	420.7
#2	-.2061	.4686	-.2378	-2.946	-1.901	272.7
#3	.0038	-.4279	.6132	3.035	2.557	273.0

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	5.111	.0309	140.3	-.2998	.2031	.3547
Stddev	2.322	.0513	63.1	.3011	2.039	2.045
%RSD	45.43	166.4	44.94	100.4	1004.	576.5

#1	3.310	-.0182	210.9	-.6188	-.4498	1.845
#2	4.291	.0842	120.6	-.2599	2.489	-1.977
#3	7.732	.0266	89.46	-.0207	-1.429	1.195

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44944-a-3-a Acquired: 9/24/2012 22:10:41 Type: Unk
Method: SW846_092412 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	-1.931	-2.858	-.2950	16.14	35.85	-.1350
Stddev	1.191	.837	.5259	.09	.62	.1865
%RSD	61.65	29.30	178.2	.5424	1.738	138.1
#1	-1.330	-2.504	-.2769	16.08	36.28	-.2008
#2	-3.303	-2.256	.2215	16.24	36.14	.0755
#3	-1.161	-3.814	-.8297	16.10	35.14	-.2797

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	-.0575	.4121	-.9596	130.9
Stddev	.0687	.3877	1.473	5.4
%RSD	119.5	94.09	153.5	4.123
#1	-.1345	.8596	-1.799	130.4
#2	-.0357	.1763	.7415	136.5
#3	-.0024	.2004	-1.821	125.7

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	3415.9	49783.	7495.8
Stddev	11.1	191.	78.5
%RSD	.32611	.38343	1.0467
#1	3428.7	49581.	7528.8
#2	3409.3	49961.	7406.2
#3	3409.6	49805.	7552.4

Sample Name: 460-44758-f-6-c du Acquired: 9/24/2012 22:15:01 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39.80	-.2813	.1162	138.1	.0126	57320.
Stddev	22.00	1.088	.6070	1.9	.0145	299.
%RSD	55.28	386.7	522.5	1.361	115.7	.5212

#1	64.49	-1.531	.3876	139.4	-.0037	57320.
#2	32.65	.4485	-.5792	138.9	.0242	57620.
#3	22.26	.2390	.5401	135.9	.0172	57020.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1843	-.1127	1.309	1.645	6.955	5178.
Stddev	.1511	.2049	.218	2.891	.746	68.
%RSD	82.00	181.8	16.62	175.7	10.72	1.312

#1	.2765	-.2359	1.501	4.018	6.750	5155.
#2	.2665	.1238	1.354	2.493	7.782	5255.
#3	.0099	-.2260	1.073	-1.575	6.334	5125.

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	10390.	120.1	82910.	3.174	.8616	-.7936
Stddev	53.	.6	334.	.485	1.972	1.864
%RSD	.5062	.5136	.4025	15.29	228.8	234.9

#1	10450.	120.8	82760.	2.946	2.664	-.2686
#2	10370.	119.5	83290.	2.845	1.165	.7518
#3	10350.	120.0	82670.	3.731	-1.244	-2.864

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44758-f-6-c du Acquired: 9/24/2012 22:15:01 Type: Unk

Method: SW846_092412 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	.9327	-1.912	2.097	10.10	102.0	.3763
Stddev	3.108	.744	.151	.17	.9	.2535
%RSD	333.2	38.93	7.220	1.679	.8522	67.38

#1	-1.319	-1.742	1.936	10.20	102.9	.5048
#2	-.3606	-1.266	2.237	10.19	101.7	.5397
#3	4.478	-2.726	2.118	9.901	101.3	.0842

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	.0809	253.6	1.948	5698.
Stddev	.4674	1.0	.344	26.
%RSD	577.5	.4025	17.64	.4527

#1	.4059	253.0	1.558	5721.
#2	.2917	254.8	2.079	5703.
#3	-.4548	253.0	2.207	5670.

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	3250.5	45993.	7398.9
Stddev	7.9	140.	64.7
%RSD	.24376	.30430	.87486

#1	3253.5	45948.	7472.6
#2	3241.4	46150.	7351.5
#3	3256.4	45882.	7372.5

Sample Name: 460-44758-f-6-b Acquired: 9/24/2012 22:19:16 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.53	.0529	-.0752	137.0	-.0394	57370.
Stddev	4.17	.3280	.9695	.6	.1016	244.
%RSD	30.80	620.0	1290.	.4566	258.2	.4259
#1	16.43	.2875	-.7547	137.7	-.1078	57290.
#2	15.41	-.3219	1.035	136.9	.0774	57650.
#3	8.754	.1931	-.5059	136.5	-.0877	57180.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1655	.0772	1.692	2.255	3.276	5148.
Stddev	.1645	.1159	.824	4.739	11.29	48.
%RSD	99.38	150.1	48.70	210.1	344.8	.9402
#1	.2928	.1395	2.585	4.275	-9.047	5096.
#2	-.0202	-.0565	1.530	-3.159	5.740	5157.
#3	.2238	.1487	.9609	5.650	13.14	5191.

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	10220.	118.1	82510.	2.468	.3210	-3.846
Stddev	21.	.6	86.	.484	2.267	1.915
%RSD	.2063	.5179	.1040	19.61	706.4	49.78
#1	10240.	118.7	82520.	2.748	-.4633	-4.253
#2	10220.	118.3	82410.	1.909	2.876	-1.761
#3	10190.	117.5	82580.	2.746	-1.450	-5.525

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44758-f-6-b Acquired: 9/24/2012 22:19:16 Type: Unk
Method: SW846_092412 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	2.559	-.1647	1.999	9.974	101.8	.4656
Stddev	.912	.5199	.780	.215	.5	.3873
%RSD	35.63	315.6	39.01	2.153	.5286	83.18
#1	3.606	.4087	1.290	10.22	102.3	.0957
#2	2.135	-.2978	1.873	9.827	101.9	.4329
#3	1.936	-.6052	2.835	9.875	101.2	.8683

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	-.2431	252.2	1.777	5724.
Stddev	.3231	.7	.439	33.
%RSD	132.9	.2698	24.72	.5734
#1	-.3613	251.6	2.271	5760.
#2	.1224	252.1	1.431	5716.
#3	-.4905	252.9	1.628	5695.

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	3229.1	46085.	7379.5
Stddev	6.1	14.	47.9
%RSD	.18827	.03071	.64885
#1	3232.7	46093.	7430.4
#2	3232.4	46093.	7372.5
#3	3222.0	46069.	7335.4

Sample Name: lcs 460-129031/2-a Acquired: 9/24/2012 22:27:48 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1992.	2004.	50.46	2092.	50.43	18070.
Stddev	30.	10.	1.06	6.	.90	45.
%RSD	1.494	.4787	2.104	.2935	1.784	.2484

#1	2022.	1996.	51.29	2087.	51.30	18020.
#2	1963.	2014.	50.82	2099.	49.51	18110.
#3	1991.	2000.	49.26	2092.	50.49	18080.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.48	516.6	209.4	251.8	1043.	20390.
Stddev	.24	2.3	1.6	8.2	13.	308.
%RSD	.4591	.4494	.7557	3.254	1.242	1.508

#1	52.39	516.0	210.6	251.7	1058.	20680.
#2	52.75	519.2	210.0	243.7	1035.	20070.
#3	52.29	514.7	207.6	260.1	1036.	20410.

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	20780.	533.8	21420.	528.3	543.2	498.8
Stddev	222.	4.6	287.	1.1	1.2	.1
%RSD	1.067	.8551	1.341	.2033	.2232	.0243

#1	20970.	536.9	21670.	527.4	543.2	498.7
#2	20830.	536.0	21100.	529.5	544.4	499.0
#3	20540.	528.6	21490.	528.1	542.0	498.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-129031/2-a Acquired: 9/24/2012 22:27:48 Type: QC

Method: SW846_092412 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	1993.	2280.	506.4	510.1	525.4	515.0
Stddev	5.	7.	5.4	1.7	3.1	2.0
%RSD	.2457	.2912	1.059	.3326	.5904	.3979

#1	1987.	2274.	511.1	509.6	521.8	512.9
#2	1997.	2287.	507.5	511.9	527.4	517.0
#3	1995.	2278.	500.6	508.6	526.9	515.2

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	534.3	498.0	509.3	48.80
Stddev	2.5	6.9	5.7	16.44
%RSD	.4765	1.394	1.113	33.70

#1	533.6	504.6	515.5	42.87
#2	537.2	490.8	504.3	36.13
#3	532.2	498.7	508.3	67.38

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	3278.8	46948.	7444.9
Stddev	11.0	400.	108.0
%RSD	.33582	.85190	1.4500

#1	3291.5	46701.	7337.6
#2	3271.9	46734.	7553.5
#3	3273.1	47410.	7443.6

Sample Name: CCV Acquired: 9/24/2012 22:31:47 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123900.	2445.	1251.	9924.	998.4	113800.
Stddev	647.	18.	10.	64.	3.7	742.
%RSD	.5224	.7448	.8105	.6468	.3698	.6517

#1	123300.	2453.	1242.	9924.	996.0	113700.
#2	123600.	2457.	1251.	9988.	996.6	114600.
#3	124600.	2424.	1262.	9860.	1003.	113100.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1239.	2462.	5081.	12460.	100200.	50770.
Stddev	8.	19.	51.	45.	890.	232.
%RSD	.6199	.7648	.9949	.3595	.8890	.4569

#1	1240.	2465.	5031.	12440.	99230.	50730.
#2	1246.	2480.	5081.	12430.	100200.	50560.
#3	1231.	2442.	5132.	12510.	101000.	51020.

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	125100.	5083.	128800.	2492.	7562.	986.3
Stddev	1362.	48.	600.	19.	44.	6.3
%RSD	1.088	.9402	.4657	.7489	.5830	.6422

#1	123800.	5036.	128500.	2494.	7559.	987.3
#2	125200.	5081.	128500.	2509.	7608.	992.1
#3	126500.	5132.	129500.	2472.	7519.	979.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/24/2012 22:31:47 Type: QC
Method: SW846_092412 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	2434.	2520.	2509.	2441.	972.8	2489.
Stddev	8.	13.	22.	18.	5.1	19.
%RSD	.3252	.5220	.8927	.7290	.5245	.7604

#1	2434.	2522.	2488.	2443.	972.4	2491.
#2	2442.	2533.	2506.	2459.	978.0	2507.
#3	2426.	2507.	2533.	2423.	967.8	2470.

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	998.4	5094.	10090.	9556.
Stddev	8.3	67.	38.	82.
%RSD	.8280	1.314	.3806	.8601

#1	1000.	5017.	10060.	9485.
#2	1006.	5133.	10080.	9646.
#3	989.4	5132.	10140.	9537.

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	3017.6	42559.	7000.7
Stddev	17.5	379.	26.6
%RSD	.58106	.89155	.37965

#1	3029.2	42960.	7023.5
#2	2997.4	42512.	7007.0
#3	3026.0	42205.	6971.5

Sample Name: CCB Acquired: 9/24/2012 22:35:53 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37.37	-.6435	.2348	.1460	-.0075	3.154
Stddev	17.10	1.608	.5500	.4250	.1649	3.456
%RSD	45.75	249.9	234.2	291.1	2194.	109.6
#1	21.53	-1.845	-.1868	.6023	.1745	6.666
#2	55.49	1.183	.8570	.0741	-.1469	3.038
#3	35.07	-1.269	.0344	-.2384	-.0501	-.2423

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0591	.1514	.2628	-2.036	-6.520	215.2
Stddev	.0661	.1947	.4508	1.495	6.814	70.6
%RSD	111.8	128.6	171.6	73.45	104.5	32.80
#1	.1128	.0584	.0433	-2.702	-13.77	293.3
#2	.0794	.3751	-.0363	-3.083	-5.545	196.2
#3	-.0148	.0207	.7814	-.3232	-.2469	156.1

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	3.887	.0137	43.76	-.3861	-.7549	-1.426
Stddev	2.234	.2500	20.39	.2687	1.482	1.616
%RSD	57.48	1819.	46.60	69.58	196.4	113.3
#1	5.942	.3016	67.30	-.1257	.7393	-.9889
#2	4.211	-.1112	31.56	-.3703	-2.225	-3.216
#3	1.509	-.1491	32.42	-.6623	-.7786	-.0734

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/24/2012 22:35:53 Type: QC
Method: SW846_092412 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	1.410	-1.390	-.4676	-.2814	1.831	1.039
Stddev	3.315	1.753	.4176	.1166	.771	.203
%RSD	235.1	126.1	89.30	41.43	42.12	19.49
#1	5.012	-1.001	-.0038	-.1793	2.692	1.245
#2	.7309	-3.304	-.5854	-.2565	1.204	1.034
#3	-1.512	.1357	-.8136	-.4085	1.597	.8395

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	.1622	.3334	-.0725	3.032
Stddev	.3162	.4496	2.162	17.04
%RSD	195.0	134.8	2984.	562.1
#1	.3482	.8427	2.141	-11.83
#2	-.2029	.1657	-.1779	-.7118
#3	.3412	-.0082	-2.180	21.63

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	3304.8	48091.	7178.0
Stddev	16.8	264.	95.1
%RSD	.50805	.54983	1.3255
#1	3298.3	48153.	7082.9
#2	3292.2	47801.	7177.8
#3	3323.8	48319.	7273.2

Sample Name: mb 460-129029/1-b Acquired: 9/24/2012 22:40:13 Type: QC

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.554	-1.030	.6126	-.0635	.0500	28.96
Stddev	17.11	1.042	.2729	.1411	.0328	3.18
%RSD	1101.	101.2	44.55	222.0	65.60	10.99

#1	20.47	-2.232	.3003	-.1568	.0659	26.14
#2	-2.986	-.4010	.7322	.0987	.0719	32.41
#3	-12.82	-.4560	.8052	-.1326	.0123	28.34

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0849	.1034	-.0464	2.125	6.367	128.6
Stddev	.1041	.3419	.6540	2.622	19.22	41.2
%RSD	122.7	330.5	1410.	123.4	301.9	32.02

#1	.1859	.1951	-.5686	4.699	19.43	111.5
#2	-.0221	.3901	-.2576	-.5416	-15.70	175.6
#3	.0908	-.2749	.6871	2.217	15.37	98.69

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	2.446	-.0595	5.541	.6540	.2536	-.5597
Stddev	3.579	.0828	13.32	.7604	1.332	1.250
%RSD	146.3	139.0	240.5	116.3	525.5	223.4

#1	5.449	-.1431	6.106	1.528	1.512	-.0149
#2	-1.515	.0225	-8.057	.2887	.3912	-1.990
#3	3.403	-.0580	18.57	.1451	-1.142	.3259

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-129029/1-b Acquired: 9/24/2012 22:40:13 Type: QC

Method: SW846_092412 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	.0784	-1.628	-.1340	1.590	3.149	-.2894
Stddev	3.290	2.132	.3667	.145	.605	.2042
%RSD	4199.	130.9	273.8	9.094	19.21	70.57

#1	-2.523	.3234	.2555	1.709	3.771	-.1030
#2	3.777	-1.304	-.1847	1.633	2.563	-.5077
#3	-1.019	-3.903	-.4727	1.429	3.114	-.2575

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	.6555	.1282	-3.940	4.661
Stddev	.5975	.1081	.747	2.801
%RSD	91.15	84.34	18.97	60.10

#1	.9719	.0376	-4.719	1.560
#2	-.0337	.0990	-3.872	5.414
#3	1.028	.2479	-3.229	7.009

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	3353.2	48573.	7402.0
Stddev	14.9	648.	127.4
%RSD	.44576	1.3348	1.7217

#1	3355.0	49317.	7340.6
#2	3337.4	48273.	7548.6
#3	3367.1	48128.	7317.0

Sample Name: 460-44758-f-6-d.ms Acquired: 9/24/2012 22:44:32 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1987.	2028.	50.15	2192.	51.25	75670.
Stddev	33.	11.	.46	12.	.22	330.
%RSD	1.663	.5494	.9192	.5674	.4281	.4355
#1	2020.	2037.	50.60	2203.	51.46	75300.
#2	1986.	2031.	49.68	2193.	51.25	75800.
#3	1954.	2016.	50.15	2179.	51.03	75920.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.79	506.8	209.4	259.4	1029.	25270.
Stddev	.47	2.6	.7	1.7	6.	48.
%RSD	.9059	.5210	.3119	.6640	.5448	.1894
#1	52.09	508.9	210.1	258.2	1024.	25310.
#2	52.02	507.7	209.2	261.4	1027.	25220.
#3	51.25	503.8	208.9	258.8	1035.	25280.

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	30540.	646.4	104000.	517.1	527.6	498.8
Stddev	55.	1.1	601.	3.5	4.5	6.2
%RSD	.1789	.1685	.5784	.6806	.8490	1.241
#1	30580.	647.3	104700.	520.6	531.1	500.4
#2	30480.	645.2	103700.	517.2	529.3	504.0
#3	30560.	646.8	103600.	513.6	522.6	492.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44758-f-6-d.ms Acquired: 9/24/2012 22:44:32 Type: Unk
Method: SW846_092412 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	1999.	2159.	510.7	516.2	625.4	513.3
Stddev	16.	16.	1.8	2.8	3.2	3.7
%RSD	.7780	.7324	.3536	.5365	.5132	.7163
#1	2016.	2171.	512.8	519.0	627.5	516.9
#2	1994.	2164.	509.8	516.1	626.9	513.6
#3	1986.	2141.	509.5	513.5	621.7	509.5

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	525.1	752.2	517.9	5910.
Stddev	4.0	3.2	4.3	19.
%RSD	.7582	.4290	.8326	.3248
#1	528.4	755.9	522.7	5897.
#2	526.3	750.3	514.6	5932.
#3	520.7	750.4	516.3	5902.

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	3177.8	45004.	7259.7
Stddev	1.9	191.	54.2
%RSD	.06042	.42393	.74657
#1	3177.5	45158.	7199.4
#2	3176.0	45063.	7304.4
#3	3179.8	44791.	7275.3

Sample Name: pds 460-44758-f-6-b Acquired: 9/24/2012 22:48:31 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1956.	1902.	46.69	2062.	49.14	72950.
Stddev	13.	11.	.89	11.	.10	741.
%RSD	.6411	.5811	1.915	.5522	.2032	1.016
#1	1963.	1889.	45.76	2049.	49.25	72310.
#2	1963.	1907.	46.76	2065.	49.11	72770.
#3	1941.	1910.	47.54	2071.	49.06	73760.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.68	476.4	197.0	243.8	983.0	24890.
Stddev	.46	3.1	1.3	.8	9.8	153.
%RSD	.9389	.6580	.6819	.3096	.9954	.6163
#1	48.15	473.0	195.4	243.2	987.9	25040.
#2	48.89	477.3	197.9	243.4	971.7	24900.
#3	48.99	479.1	197.6	244.6	989.3	24740.

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	29690.	606.6	101700.	487.0	490.4	458.9
Stddev	106.	2.0	566.	2.3	2.6	5.6
%RSD	.3554	.3218	.5569	.4697	.5213	1.230
#1	29570.	605.1	102100.	484.4	487.5	453.7
#2	29750.	605.8	101900.	488.1	492.0	464.9
#3	29750.	608.8	101100.	488.6	491.8	458.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-44758-f-6-b Acquired: 9/24/2012 22:48:31 Type: Unk
Method: SW846_092412 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	1882.	2038.	479.9	485.7	584.3	466.0
Stddev	14.	15.	1.9	2.7	3.5	2.9
%RSD	.7553	.7480	.3887	.5561	.6003	.6191
#1	1867.	2020.	478.0	482.6	580.3	463.0
#2	1886.	2044.	479.9	486.5	585.7	466.2
#3	1894.	2049.	481.7	487.8	586.9	468.7

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	485.9	724.3	483.1	5730.
Stddev	2.4	3.5	2.5	126.
%RSD	.4907	.4870	.5168	2.193
#1	483.8	725.8	484.0	5590.
#2	485.4	726.7	485.1	5767.
#3	488.5	720.2	480.3	5833.

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	3191.2	44931.	7202.4
Stddev	26.8	333.	85.2
%RSD	.83977	.74018	1.1826
#1	3220.5	45256.	7125.6
#2	3185.0	44592.	7187.6
#3	3168.0	44945.	7294.0

Sample Name: 460-44718-d-2-b Acquired: 9/24/2012 22:52:30 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.93	-2185	.0913	78.96	-.0364	62980.
Stddev	13.11	.4353	1.322	.41	.0449	145.
%RSD	25.74	199.2	1448.	.5207	123.2	.2295

#1	57.49	.2627	.6707	79.38	-.0882	63150.
#2	59.46	-.5847	-1.422	78.56	-.0122	62880.
#3	35.83	-.3335	1.025	78.92	-.0088	62920.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3791	2.520	1.333	8.309	6.069	4480.
Stddev	.1113	.295	.657	.339	8.317	74.
%RSD	29.36	11.73	49.29	4.074	137.1	1.646

#1	.4400	2.751	.6544	8.599	13.52	4436.
#2	.4467	2.621	1.966	7.937	7.592	4566.
#3	.2506	2.187	1.378	8.390	-2.905	4439.

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	12490.	3068.	42860.	50.55	1.709	-2.169
Stddev	41.	3.	370.	.80	1.423	.480
%RSD	.3292	.1100	.8633	1.590	83.27	22.11

#1	12510.	3069.	42510.	50.86	.7718	-2.022
#2	12520.	3071.	43250.	51.15	1.009	-2.705
#3	12440.	3064.	42830.	49.64	3.347	-1.781

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44718-d-2-b Acquired: 9/24/2012 22:52:30 Type: Unk
Method: SW846_092412 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	-1.411	-4.423	.5369	56.27	101.8	.1648
Stddev	2.675	1.511	.5743	.64	.9	.3322
%RSD	189.6	34.16	107.0	1.136	.8519	201.6
#1	1.583	-5.959	.4599	56.86	102.8	.2698
#2	-2.248	-2.939	.0049	56.37	101.4	-.2073
#3	-3.567	-4.370	1.146	55.59	101.2	.4318

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	.6651	220.7	-.4388	8762.
Stddev	.6688	2.3	1.114	66.
%RSD	100.6	1.057	253.8	.7502
#1	1.301	218.2	.6766	8801.
#2	.7276	222.9	-.4426	8798.
#3	-.0327	221.0	-1.550	8686.

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	3263.7	46319.	7423.1
Stddev	13.8	244.	62.1
%RSD	.42404	.52585	.83655
#1	3248.9	46141.	7493.9
#2	3266.0	46220.	7377.8
#3	3276.3	46597.	7397.7

Sample Name: 460-44758-f-2-b Acquired: 9/24/2012 23:00:58 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.68	-.1151	.2298	34.37	-.0916	21520.
Stddev	4.97	1.068	.3048	.15	.1213	203.
%RSD	21.00	928.0	132.6	.4431	132.5	.9443
#1	27.85	-1.180	.1050	34.34	-.1995	21420.
#2	25.00	.9564	.5772	34.23	.0398	21380.
#3	18.18	-.1217	.0073	34.53	-.1150	21750.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0606	.1748	2.030	.2297	305.1	7094.
Stddev	.0889	.2474	.369	3.053	5.8	12.
%RSD	146.7	141.6	18.17	1329.	1.901	.1637
#1	.1302	.0273	2.453	-3.268	302.5	7094.
#2	.0913	.4604	1.863	1.596	311.8	7106.
#3	-.0396	.0366	1.774	2.361	301.1	7082.

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	5655.	2130.	82590.	9.974	-.3599	-.5868
Stddev	18.	2.	269.	.342	.5190	1.484
%RSD	.3270	.1163	.3255	3.425	144.2	252.8
#1	5662.	2132.	82720.	10.35	-.8714	1.048
#2	5634.	2127.	82780.	9.686	-.3745	-1.846
#3	5670.	2131.	82280.	9.884	.1662	-.9625

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44758-f-2-b Acquired: 9/24/2012 23:00:58 Type: Unk
Method: SW846_092412 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	1.881	-3.581	1.572	13.73	89.94	2.250
Stddev	.885	1.413	.563	.22	1.09	.114
%RSD	47.05	39.46	35.80	1.631	1.211	5.063
#1	1.877	-3.933	1.381	13.77	88.91	2.137
#2	2.767	-2.025	1.129	13.48	89.81	2.365
#3	.9974	-4.785	2.205	13.92	91.08	2.249

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	.4305	95.30	-.8732	12030.
Stddev	.4122	.18	.9470	117.
%RSD	95.74	.1853	108.5	.9722
#1	.8923	95.46	-.1930	12000.
#2	.0998	95.33	-.4717	11920.
#3	.2994	95.11	-1.955	12150.

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	3314.0	46923.	7509.9
Stddev	24.6	365.	46.4
%RSD	.74347	.77825	.61763
#1	3306.5	46506.	7478.5
#2	3341.5	47185.	7488.0
#3	3294.0	47079.	7563.1

Sample Name: 460-44758-f-3-b Acquired: 9/24/2012 23:05:14 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.783	-.0652	.2313	16.39	-.0993	22100.
Stddev	17.73	1.580	.8892	.14	.1156	190.
%RSD	261.3	2422.	384.5	.8604	116.3	.8608

#1	10.79	.5532	-.4107	16.52	-.0434	22310.
#2	-6.478	-1.861	1.246	16.41	-.0224	21940.
#3	-24.66	1.112	-.1417	16.24	-.2322	22050.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0762	.5747	2.035	.5195	9942.	4693.
Stddev	.1684	.0821	.280	.4047	30.	45.
%RSD	221.1	14.28	13.78	77.89	.3049	.9584

#1	.2511	.5236	2.068	.1503	9909.	4642.
#2	.0620	.6694	1.740	.4561	9949.	4726.
#3	-.0847	.5312	2.298	.9521	9969.	4712.

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	2614.	707.2	45940.	1.156	-.5554	-1.756
Stddev	9.	3.7	474.	.452	.8588	.970
%RSD	.3277	.5170	1.032	39.11	154.6	55.22

#1	2606.	703.3	45480.	.6402	.4006	-1.568
#2	2613.	707.8	45910.	1.484	-.8050	-2.807
#3	2623.	710.6	46430.	1.343	-1.262	-.8947

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44758-f-3-b Acquired: 9/24/2012 23:05:14 Type: Unk
Method: SW846_092412 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	-.6683	-1.379	.1107	5.555	60.91	.2011
Stddev	1.275	.960	.2108	.050	.47	.0798
%RSD	190.8	69.57	190.5	.8923	.7717	39.66
#1	-.1687	-.5933	-.0127	5.538	61.29	.2879
#2	-2.117	-2.449	.3541	5.516	61.06	.1311
#3	.2813	-1.096	-.0094	5.611	60.39	.1843

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	.1649	78.46	-2.392	6806.
Stddev	.2562	.76	.190	70.
%RSD	155.4	.9735	7.936	1.023
#1	.4335	77.62	-2.610	6886.
#2	.1379	78.63	-2.304	6769.
#3	-.0767	79.12	-2.263	6762.

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	3301.6	46998.	7511.1
Stddev	29.6	457.	197.2
%RSD	.89738	.97134	2.6250
#1	3335.3	47523.	7728.3
#2	3289.8	46781.	7461.5
#3	3279.7	46691.	7343.5

Sample Name: 460-44758-f-4-b Acquired: 9/24/2012 23:09:29 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.694	-.2929	.6738	16.37	.0474	22110.
Stddev	21.14	.8066	.5982	.14	.0475	139.
%RSD	784.7	275.4	88.77	.8705	100.3	.6285
#1	15.24	-.9973	1.197	16.46	-.0056	22240.
#2	-21.71	.5870	.8032	16.20	.0614	21960.
#3	14.56	-.4683	.0216	16.44	.0863	22120.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0928	.4915	1.613	1.932	11130.	4693.
Stddev	.1123	.0633	.220	2.525	40.	41.
%RSD	121.1	12.88	13.66	130.7	.3605	.8813
#1	-.0364	.4520	1.836	2.700	11170.	4706.
#2	.1678	.5645	1.610	3.983	11140.	4726.
#3	.1470	.4579	1.395	-.8879	11090.	4646.

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	2619.	712.6	45900.	1.798	-.1700	.2551
Stddev	3.	1.0	92.	.505	.5883	1.688
%RSD	.0999	.1404	.2004	28.08	346.1	661.6
#1	2619.	713.1	45880.	1.642	-.8484	1.960
#2	2616.	713.1	46000.	2.362	.1385	-1.416
#3	2621.	711.4	45820.	1.389	.1999	.2211

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44758-f-4-b Acquired: 9/24/2012 23:09:29 Type: Unk
Method: SW846_092412 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	.0630	-2.302	.0248	5.016	59.81	.1605
Stddev	3.921	1.027	.3359	.118	.67	.3662
%RSD	6225.	44.61	1357.	2.348	1.112	228.1
#1	-2.870	-1.222	-.3566	4.996	60.44	-.0899
#2	4.517	-3.267	.1543	5.143	59.89	.5808
#3	-1.458	-2.417	.2766	4.910	59.11	-.0093

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	.1226	78.93	-.8115	6708.
Stddev	.5570	.13	.6449	52.
%RSD	454.1	.1612	79.47	.7764
#1	.4815	78.82	-.0671	6768.
#2	-.5190	79.07	-1.167	6677.
#3	.4055	78.89	-1.200	6678.

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	3280.1	46648.	7362.1
Stddev	9.7	215.	83.0
%RSD	.29430	.46026	1.1280
#1	3291.2	46851.	7455.6
#2	3273.2	46670.	7296.7
#3	3276.0	46423.	7334.1

Sample Name: 460-44758-f-5-b Acquired: 9/24/2012 23:13:46 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-11.44	-1.1256	.6627	-1.1952	.0322	31.72
Stddev	25.19	1.085	.3056	.3361	.1325	.48
%RSD	220.1	864.3	46.11	172.2	411.6	1.501

#1	15.57	.9910	.9241	-.1673	-.1198	31.25
#2	-15.61	-.1908	.7371	.1260	.0926	32.21
#3	-34.28	-1.177	.3268	-.5444	.1237	31.71

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0807	.0800	1.370	1.292	5.943	121.5
Stddev	.1490	.1240	.857	2.571	10.40	42.7
%RSD	184.7	155.1	62.55	199.0	175.0	35.17

#1	-.0717	-.0584	1.283	2.974	17.52	93.96
#2	.2261	.1811	2.267	-1.668	2.941	170.7
#3	.0876	.1173	.5596	2.569	-2.629	99.73

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	10.56	.1571	2667.	.8341	-.6039	-.7001
Stddev	2.06	.0619	9.	.5145	1.421	.2171
%RSD	19.46	39.41	.3461	61.68	235.4	31.00

#1	12.71	.1475	2678.	.2652	.7047	-.7404
#2	10.36	.2233	2664.	1.267	-.4004	-.4657
#3	8.617	.1006	2660.	.9706	-2.116	-.8942

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44758-f-5-b Acquired: 9/24/2012 23:13:46 Type: Unk
Method: SW846_092412 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	-.5908	.1554	.0038	4.063	26.95	.1423
Stddev	1.949	1.392	.0982	.088	.68	.3916
%RSD	329.9	896.0	2591.	2.159	2.506	275.1
#1	.4986	-.1858	.0696	4.141	26.61	.5938
#2	.5702	-1.035	.0509	4.080	26.51	-.1051
#3	-2.841	1.687	-.1091	3.968	27.73	-.0616

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	.3212	.1735	-3.487	47.05
Stddev	.1173	.1452	1.249	11.02
%RSD	36.53	83.71	35.81	23.42
#1	.4189	.1540	-4.735	56.89
#2	.3537	.3275	-3.489	35.14
#3	.1911	.0390	-2.237	49.13

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	3420.8	49410.	7638.7
Stddev	6.6	256.	58.6
%RSD	.19276	.51797	.76668
#1	3415.2	49457.	7572.0
#2	3428.0	49134.	7681.8
#3	3419.2	49639.	7662.2

Sample Name: 460-44758-f-7-b Acquired: 9/24/2012 23:18:05 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.27	-1.099	1.270	96.03	-.0105	64910.
Stddev	10.76	2.516	.936	.66	.0520	288.
%RSD	70.49	229.0	73.66	.6891	493.5	.4430
#1	27.68	1.013	2.327	96.62	-.0435	64580.
#2	9.609	-.4261	.9365	96.16	.0494	65090.
#3	8.516	-3.883	.5472	95.32	-.0375	65060.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2422	.3551	1.148	2.508	.4065	1892.
Stddev	.0397	.2464	.369	2.337	23.88	16.
%RSD	16.38	69.37	32.16	93.19	5874.	.8472
#1	.2003	.1313	1.572	1.207	-2.542	1874.
#2	.2791	.6191	.9764	5.205	25.62	1898.
#3	.2473	.3150	.8957	1.110	-21.86	1904.

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	15700.	5863.	80590.	4.474	.3430	-1.025
Stddev	55.	25.	318.	.174	1.520	2.535
%RSD	.3514	.4211	.3940	3.882	443.1	247.3
#1	15630.	5836.	80240.	4.373	2.063	1.865
#2	15730.	5868.	80680.	4.374	-.8170	-2.068
#3	15730.	5885.	80860.	4.675	-.2172	-2.873

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44758-f-7-b Acquired: 9/24/2012 23:18:05 Type: Unk
Method: SW846_092412 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	-.0586	-12.02	-.1529	11.94	163.2	1.238
Stddev	2.798	1.73	.7501	.12	.6	.195
%RSD	4774.	14.42	490.5	.9874	.3801	15.73
#1	3.119	-11.68	.6477	11.95	163.5	1.460
#2	-1.145	-13.90	-.8394	12.05	163.7	1.099
#3	-2.150	-10.48	-.2670	11.81	162.5	1.154

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	.0159	149.7	2.140	6766.
Stddev	.5304	.9	1.492	12.
%RSD	3339.	.6207	69.72	.1797
#1	.4904	148.7	3.567	6757.
#2	.1140	150.2	2.264	6780.
#3	-.5567	150.3	.5903	6761.

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	3236.2	45999.	7460.3
Stddev	6.6	186.	11.4
%RSD	.20241	.40334	.15257
#1	3232.3	46198.	7459.9
#2	3232.5	45970.	7471.9
#3	3243.7	45831.	7449.2

Sample Name: CCV Acquired: 9/24/2012 23:22:20 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122400.	2458.	1257.	9999.	991.6	113900.
Stddev	560.	3.	5.	12.	4.2	81.
%RSD	.4577	.1352	.4127	.1249	.4269	.0710

#1	122900.	2454.	1253.	9985.	995.9	113900.
#2	122500.	2461.	1263.	10010.	991.4	113800.
#3	121800.	2458.	1256.	10010.	987.4	113900.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1248.	2482.	5103.	12330.	100200.	50320.
Stddev	1.	3.	21.	78.	409.	117.
%RSD	.0657	.1397	.4099	.6347	.4078	.2320

#1	1248.	2478.	5086.	12420.	100000.	50420.
#2	1248.	2485.	5127.	12310.	100700.	50350.
#3	1249.	2484.	5097.	12260.	99890.	50190.

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	125500.	5091.	127800.	2511.	7610.	993.1
Stddev	548.	19.	453.	2.	8.	2.8
%RSD	.4364	.3648	.3544	.0785	.1004	.2784

#1	125000.	5086.	128100.	2513.	7604.	990.8
#2	126100.	5111.	128100.	2511.	7607.	996.2
#3	125400.	5075.	127300.	2509.	7619.	992.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/24/2012 23:22:20 Type: QC
Method: SW846_092412 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	2452.	2531.	2518.	2460.	978.9	2503.
Stddev	6.	1.	8.	4.	1.5	6.
%RSD	.2422	.0557	.3322	.1447	.1562	.2253

#1	2459.	2532.	2514.	2456.	977.3	2507.
#2	2450.	2530.	2527.	2463.	979.0	2505.
#3	2448.	2532.	2511.	2461.	980.3	2496.

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	1004.	5032.	10000.	9654.
Stddev	3.	19.	63.	47.
%RSD	.2730	.3811	.6312	.4824

#1	1005.	5051.	10050.	9612.
#2	1006.	5034.	10030.	9704.
#3	1001.	5013.	9932.	9645.

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	3001.7	42729.	7113.2
Stddev	19.0	313.	21.7
%RSD	.63214	.73292	.30566

#1	3019.7	43074.	7101.9
#2	3003.5	42651.	7138.2
#3	2981.9	42462.	7099.3

Sample Name: 460-44758-d-8-b Acquired: 9/24/2012 23:30:46 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39.38	.1042	-.2803	30.84	.0053	75670.
Stddev	17.28	1.297	.5284	.03	.0652	332.
%RSD	43.88	1245.	188.5	.0896	1234.	.4391

#1	19.56	-1.352	.0690	30.81	-.0432	75810.
#2	51.29	.5287	-.8882	30.84	.0793	75290.
#3	47.28	1.136	-.0217	30.86	-.0203	75920.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0611	-.0913	2.126	2.317	-3.543	8505.
Stddev	.1274	.2495	.353	3.383	6.087	24.
%RSD	208.4	273.3	16.59	146.0	171.8	.2780

#1	.2071	.1894	1.719	6.217	3.383	8478.
#2	.0035	-.2876	2.312	.5537	-5.966	8513.
#3	-.0272	-.1756	2.347	.1809	-8.044	8523.

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	3604.	3.601	80030.	1.888	1.025	-2.266
Stddev	2.	.117	87.	.882	.220	1.440
%RSD	.0427	3.253	.1089	46.72	21.44	63.55

#1	3604.	3.732	79960.	.9404	1.081	-2.939
#2	3605.	3.566	80000.	2.038	1.212	-3.246
#3	3602.	3.506	80130.	2.685	.7831	-.6126

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44758-d-8-b Acquired: 9/24/2012 23:30:46 Type: Unk
Method: SW846_092412 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	6.279	-.4382	1.970	13.83	120.9	.6935
Stddev	1.952	.7971	.139	.10	1.2	.6145
%RSD	31.09	181.9	7.075	.7308	1.021	88.61
#1	5.021	.3984	1.956	13.82	119.5	.8547
#2	8.528	-.5238	1.838	13.94	121.6	1.211
#3	5.288	-1.189	2.116	13.74	121.6	.0145

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	.4610	342.0	3.431	5948.
Stddev	.6336	.7	.343	46.
%RSD	137.4	.1925	9.995	.7756
#1	.2838	341.8	3.469	5896.
#2	1.164	341.4	3.070	5985.
#3	-.0652	342.7	3.753	5962.

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	3219.3	45975.	7369.0
Stddev	13.0	232.	30.8
%RSD	.40332	.50494	.41793
#1	3230.9	46239.	7401.5
#2	3221.7	45882.	7365.1
#3	3205.3	45803.	7340.3

Sample Name: 460-44830-b-1-b Acquired: 9/24/2012 23:35:03 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.00	.1250	.2600	71.17	.0195	124900.
Stddev	5.03	.7844	.2839	.36	.1002	207.
%RSD	10.48	627.4	109.2	.5024	514.1	.1654

#1	52.65	-.1418	.5837	71.57	-.0446	124900.
#2	48.69	1.008	.0539	70.87	-.0319	125100.
#3	42.66	-.4912	.1422	71.09	.1349	124700.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0131	1.785	.4451	.5616	-5.720	17690.
Stddev	.1632	.053	.3369	2.078	8.754	138.
%RSD	1244.	2.969	75.68	370.0	153.0	.7824

#1	-.1074	1.733	.4308	2.961	4.329	17560.
#2	.1754	1.782	.1157	-.6078	-11.69	17840.
#3	-.1074	1.839	.7890	-.6682	-9.799	17670.

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	18250.	760.9	49360.	1.907	1.514	-1.401
Stddev	270.	11.7	382.	.186	.609	1.180
%RSD	1.480	1.532	.7744	9.750	40.22	84.22

#1	18150.	755.9	49140.	2.111	1.947	-.0387
#2	18560.	774.3	49800.	1.864	1.777	-2.103
#3	18050.	752.6	49140.	1.747	.8176	-2.062

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44830-b-1-b Acquired: 9/24/2012 23:35:03 Type: Unk
Method: SW846_092412 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	.8618	-.6153	-.1230	3.150	108.8	2.602
Stddev	2.686	.6334	.1666	.080	.7	.382
%RSD	311.7	102.9	135.5	2.546	.6287	14.68
#1	3.746	-.8845	-.2629	3.143	109.4	2.264
#2	-1.568	.1083	-.1674	3.074	108.0	2.526
#3	.4069	-1.070	.0614	3.234	109.0	3.016

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	-.1483	1055.	6.171	6134.
Stddev	.2144	9.	1.270	61.
%RSD	144.6	.8494	20.57	.9933
#1	-.0153	1047.	5.761	6101.
#2	-.0339	1064.	7.595	6097.
#3	-.3956	1052.	5.158	6205.

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	3215.2	45829.	7463.4
Stddev	15.3	728.	54.4
%RSD	.47510	1.5885	.72849
#1	3217.3	45854.	7472.0
#2	3229.4	45089.	7405.3
#3	3199.0	46544.	7513.0

Sample Name: 460-44830-b-2-b Acquired: 9/24/2012 23:39:19 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	74.43	-1.260	.1482	128.9	-.1048	179200.
Stddev	9.59	1.168	.0282	2.2	.0699	2086.
%RSD	12.89	92.74	19.01	1.717	66.71	1.164

#1	63.36	-.1072	.1167	131.0	-.1700	181300.
#2	79.68	-2.443	.1566	129.1	-.0310	177200.
#3	80.24	-1.229	.1711	126.6	-.1135	179100.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1001	-.0893	.1502	.3600	-16.38	53910.
Stddev	.0536	.1791	.6714	2.590	17.79	1141.
%RSD	53.52	200.5	446.9	719.4	108.7	2.116

#1	.0438	.0233	.2982	3.218	-12.38	53100.
#2	.1504	-.2959	-.5828	-1.829	-.9215	53410.
#3	.1062	.0046	.7353	-.3090	-35.83	55210.

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	147300.	279.3	F 698200.	2.325	-.1581	-2.158
Stddev	1865.	3.7	11870.	.507	2.292	1.093
%RSD	1.266	1.310	1.700	21.81	1450.	50.67

#1	149000.	282.6	708400.	1.876	1.668	-3.210
#2	147500.	280.0	685200.	2.225	.5878	-1.027
#3	145300.	275.4	701100.	2.875	-2.730	-2.237

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44830-b-2-b Acquired: 9/24/2012 23:39:19 Type: Unk
Method: SW846_092412 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	-.1187	-.7402	.4747	6.534	564.8	.4697
Stddev	4.168	1.268	.2599	.213	5.3	.3648
%RSD	3512.	171.3	54.75	3.267	.9445	77.68
#1	1.663	-1.924	.3278	6.717	570.5	.8353
#2	-4.881	-.8937	.7748	6.584	564.1	.4682
#3	2.862	.5976	.3215	6.299	559.9	.1056

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	.5337	1993.	7.754	10910.
Stddev	1.014	46.	.298	71.
%RSD	190.0	2.290	3.847	.6488
#1	1.608	1959.	7.899	10880.
#2	-.4069	1974.	7.953	10870.
#3	.4002	2045.	7.411	11000.

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	2883.8	40715.	7240.2
Stddev	30.4	506.	53.7
%RSD	1.0548	1.2416	.74116
#1	2848.8	40186.	7236.0
#2	2903.6	40766.	7295.8
#3	2899.0	41194.	7188.7

Sample Name: 460-44830-b-3-b Acquired: 9/24/2012 23:43:41 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36.68	-.5254	-.5662	126.1	-.0255	44950.
Stddev	11.33	1.169	.5183	1.3	.0411	143.
%RSD	30.89	222.4	91.53	.9927	161.2	.3179

#1	32.59	-.2757	-.1085	127.5	-.0179	44800.
#2	49.49	.4983	-1.129	125.8	-.0699	45080.
#3	27.97	-1.799	-.4613	125.0	.0113	44960.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5006	1.418	1.895	10.32	29.87	14470.
Stddev	.0657	.154	.428	4.90	7.19	176.
%RSD	13.11	10.89	22.61	47.52	24.08	1.215

#1	.5762	1.504	2.292	15.46	29.72	14380.
#2	.4574	1.511	1.440	5.702	37.14	14670.
#3	.4683	1.240	1.953	9.787	22.75	14350.

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	19620.	147.2	27440.	7.432	.2333	3.115
Stddev	111.	.9	255.	.619	.3323	1.113
%RSD	.5632	.6248	.9303	8.332	142.4	35.73

#1	19500.	146.2	27460.	8.076	-.0302	2.173
#2	19640.	147.5	27680.	6.841	.6065	2.828
#3	19710.	147.9	27170.	7.378	.1234	4.343

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44830-b-3-b Acquired: 9/24/2012 23:43:41 Type: Unk
Method: SW846_092412 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	-.5289	-1.336	-.0440	606.5	101.2	8.825
Stddev	.1918	.839	.1311	5.2	.8	.111
%RSD	36.26	62.83	298.2	.8492	.8115	1.257
#1	-.7191	-1.775	-.1742	610.8	100.8	8.875
#2	-.3356	-1.865	.0879	607.9	102.1	8.902
#3	-.5321	-.3682	-.0455	600.8	100.7	8.698

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	.0283	417.3	1.862	8529.
Stddev	.8876	4.2	.422	35.
%RSD	3134.	1.000	22.70	.4139
#1	-.2455	414.4	1.383	8563.
#2	1.021	422.1	2.182	8533.
#3	-.6901	415.4	2.021	8492.

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	3331.3	47415.	7716.7
Stddev	8.0	154.	81.2
%RSD	.23928	.32411	1.0525
#1	3322.1	47493.	7776.4
#2	3335.7	47238.	7624.2
#3	3336.0	47514.	7749.6

Sample Name: 460-44830-b-4-b Acquired: 9/24/2012 23:47:54 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.512	-.1553	-.2596	221.3	-.0327	71210.
Stddev	12.02	1.763	.6219	1.9	.0526	297.
%RSD	218.2	1135.	239.6	.8521	160.7	.4169

#1	18.23	-2.046	.1039	222.4	-.0930	71420.
#2	-5.678	1.443	.0951	222.4	-.0088	71340.
#3	3.989	.1364	-.9777	219.1	.0037	70870.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2544	1.552	.9472	-.3754	7.820	29300.
Stddev	.1375	.313	.7598	1.223	8.442	104.
%RSD	54.07	20.16	80.22	325.9	108.0	.3531

#1	.4128	1.478	1.245	-1.786	-1.317	29180.
#2	.1853	1.895	1.513	.2697	15.33	29360.
#3	.1651	1.283	.0835	.3902	9.447	29360.

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	48140.	133.2	55120.	9.631	.9509	-.1461
Stddev	597.	1.4	204.	.263	.3309	2.335
%RSD	1.240	1.070	.3694	2.733	34.80	1599.

#1	48030.	132.9	54990.	9.724	1.263	-2.639
#2	48780.	134.7	55030.	9.333	.6036	.2112
#3	47600.	131.9	55360.	9.834	.9865	1.990

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44830-b-4-b Acquired: 9/24/2012 23:47:54 Type: Unk
Method: SW846_092412 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	.9352	1.216	.1268	17.38	145.7	4.461
Stddev	1.330	1.847	.1902	.25	1.6	.494
%RSD	142.2	151.9	150.1	1.434	1.126	11.07
#1	2.446	-.1817	-.0716	17.50	147.5	4.920
#2	-.0603	.5202	.3077	17.55	145.5	4.524
#3	.4199	3.310	.1442	17.10	144.2	3.939

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	-.2887	607.8	3.396	9754.
Stddev	.1021	1.7	.873	83.
%RSD	35.38	.2852	25.70	.8517
#1	-.3879	606.5	4.354	9823.
#2	-.2943	607.0	3.186	9777.
#3	-.1838	609.7	2.647	9662.

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	3256.2	46192.	7536.6
Stddev	6.5	421.	96.7
%RSD	.19858	.91113	1.2835
#1	3252.1	46428.	7609.5
#2	3252.9	45706.	7573.5
#3	3263.7	46442.	7426.8

Sample Name: 460-44830-b-5-b Acquired: 9/24/2012 23:52:08 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33.68	.1634	.0586	167.0	.0403	61200.
Stddev	26.62	.4065	.7404	1.8	.1538	114.
%RSD	79.05	248.9	1263.	1.077	381.7	.1867

#1	47.83	.2045	.8701	167.7	-.1359	61060.
#2	2.968	.5477	-.5802	168.4	.1478	61270.
#3	50.24	-.2622	-.1140	164.9	.1090	61250.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1565	.0905	1.382	-1.501	47.98	22210.
Stddev	.1085	.3913	.115	.955	2.79	577.
%RSD	69.35	432.2	8.283	63.61	5.809	2.599

#1	.2412	.4240	1.301	-1.375	49.89	22450.
#2	.1940	.1879	1.513	-.6153	44.78	22640.
#3	.0342	-.3403	1.332	-2.512	49.26	21560.

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	18450.	73.41	F 316200.	2.292	.7458	-3.065
Stddev	1268.	5.13	9354.	.203	2.043	1.892
%RSD	6.869	6.993	2.958	8.852	274.0	61.72

#1	17000.	67.49	324500.	2.510	.3924	-2.455
#2	19330.	76.72	318200.	2.259	2.943	-1.554
#3	19030.	76.00	306100.	2.108	-1.098	-5.187

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44830-b-5-b Acquired: 9/24/2012 23:52:08 Type: Unk
Method: SW846_092412 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	-.0865	-1.744	.7428	6.045	397.2	1.401
Stddev	2.961	2.412	.5123	.254	1.5	.245
%RSD	3422.	138.3	68.97	4.194	.3815	17.52
#1	-1.201	-2.463	.5171	6.262	396.5	1.418
#2	3.270	-3.715	1.329	6.108	399.0	1.638
#3	-2.328	.9458	.3821	5.766	396.2	1.148

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	.3685	516.7	.1798	12280.
Stddev	.4911	12.6	.5148	88.
%RSD	133.3	2.429	286.4	.7171
#1	.1824	521.5	.6515	12180.
#2	.9255	526.2	.2571	12360.
#3	-.0024	502.4	-.3693	12290.

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	3235.1	45420.	7626.9
Stddev	22.6	2098.	263.1
%RSD	.69971	4.6187	3.4494
#1	3221.7	47837.	7485.3
#2	3222.3	44069.	7464.9
#3	3261.2	44354.	7930.4

Sample Name: 460-44830-b-6-b Acquired: 9/24/2012 23:56:30 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40.37	.8042	.9179	94.64	.0323	65980.
Stddev	13.07	2.546	.2151	.54	.0948	91.
%RSD	32.38	316.6	23.44	.5723	293.3	.1382

#1	30.81	3.603	1.012	95.27	.1136	65880.
#2	35.04	.1844	.6717	94.31	.0553	66030.
#3	55.27	-1.375	1.070	94.35	-.0719	66040.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2158	3.410	1.583	-1.209	11.78	22370.
Stddev	.0669	.302	.628	1.237	11.61	44.
%RSD	31.00	8.844	39.64	102.3	98.57	.1965

#1	.1982	3.639	2.126	-.4508	-.0491	22320.
#2	.2898	3.522	.8960	-2.637	12.23	22380.
#3	.1595	3.068	1.728	-.5399	23.16	22400.

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	23900.	367.5	37130.	8.581	.8599	-2.094
Stddev	500.	7.8	140.	.802	.9608	1.104
%RSD	2.090	2.121	.3768	9.343	111.7	52.72

#1	23800.	365.4	36970.	8.447	.8877	-.9504
#2	24440.	376.1	37170.	7.855	-.1145	-3.154
#3	23460.	360.9	37240.	9.441	1.807	-2.178

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44830-b-6-b Acquired: 9/24/2012 23:56:30 Type: Unk
Method: SW846_092412 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	.6676	-2.024	.1823	12.36	113.8	8.439
Stddev	1.028	1.639	.2803	.16	1.1	.146
%RSD	154.0	80.98	153.7	1.316	.9930	1.733
#1	1.193	-.4508	-.0543	12.54	115.1	8.543
#2	1.327	-3.722	.1094	12.23	113.6	8.501
#3	-.5171	-1.900	.4919	12.30	112.8	8.272

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	.2972	552.9	2.762	10130.
Stddev	.1550	2.4	1.858	66.
%RSD	52.15	.4349	67.26	.6505
#1	.1297	550.3	.7134	10060.
#2	.4355	553.3	4.337	10130.
#3	.3263	555.1	3.235	10200.

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	3347.6	47705.	7828.9
Stddev	7.3	579.	17.6
%RSD	.21951	1.2144	.22534
#1	3350.2	48003.	7847.7
#2	3353.3	47037.	7826.6
#3	3339.3	48074.	7812.6

Sample Name: 460-44830-b-8-b Acquired: 9/25/2012 0:05:07 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.53	17.19	.5816	124.6	.0383	119100.
Stddev	11.55	1.88	.8511	2.6	.1460	929.
%RSD	23.33	10.95	146.3	2.101	381.2	.7799

#1	56.91	17.89	.9368	125.9	-.0795	120100.
#2	55.46	18.62	1.197	126.4	-.0073	118300.
#3	36.21	15.06	-.3896	121.6	.2016	118800.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2277	-.3126	1.238	6.392	-21.80	F 130100.
Stddev	.0965	.3162	.390	.427	17.30	718.
%RSD	42.38	101.2	31.52	6.685	79.38	.5516

#1	.3386	-.4137	.8701	6.886	-1.819	129900.
#2	.1817	.0419	1.197	6.147	-31.96	129500.
#3	.1628	-.5658	1.647	6.144	-31.61	130900.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						100000.
Low Limit						-5000.

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 402100.	12.33	F 818900.	3.777	-.1819	867.0
Stddev	4340.	.08	27770.	.067	.7437	29.4
%RSD	1.079	.6841	3.391	1.777	409.0	3.387

#1	404500.	12.38	849500.	3.708	-.2717	878.2
#2	397100.	12.38	811800.	3.782	-.8765	889.1
#3	404800.	12.24	795300.	3.842	.6027	833.6

Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.		250000.			
Low Limit	-2000.		-5000.			

Sample Name: 460-44830-b-8-b Acquired: 9/25/2012 0:05:07 Type: Unk
Method: SW846_092412 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	-0.8796	-3.374	2.022	2.991	624.5	67.13
Stddev	3.406	.790	.422	.096	11.7	1.97
%RSD	387.3	23.43	20.89	3.222	1.871	2.928
#1	2.661	-2.471	2.412	2.909	628.7	68.08
#2	-1.167	-3.942	2.081	3.097	633.5	68.44
#3	-4.133	-3.709	1.573	2.966	611.3	64.87

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	.3360	1638.	4.845	4340.
Stddev	.4382	6.	1.519	29.
%RSD	130.4	.3525	31.35	.6779
#1	.7369	1636.	6.571	4338.
#2	-.1318	1635.	3.713	4311.
#3	.4029	1645.	4.250	4370.

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	2876.3	39274.	7352.7
Stddev	22.5	332.	58.0
%RSD	.78179	.84547	.78816
#1	2869.4	39023.	7321.0
#2	2901.4	39650.	7419.6
#3	2858.1	39148.	7317.4

Sample Name: 460-44830-b-9-b Acquired: 9/25/2012 0:09:39 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	115.9	.3711	-.6306	58.01	-.0637	F 281800.
Stddev	22.8	2.657	1.117	2.88	.0114	9225.
%RSD	19.65	716.1	177.1	4.970	17.96	3.274

#1	89.68	2.544	.0553	59.37	-.0518	291200.
#2	127.3	1.161	-1.919	59.97	-.0648	281200.
#3	130.7	-2.592	-.0281	54.70	-.0746	272800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0911	-.0550	-.5755	5.831	-31.88	F 262700.
Stddev	.1094	.3881	.5355	1.846	13.15	3218.
%RSD	120.1	705.4	93.06	31.65	41.25	1.225

#1	.0626	.2393	-.2649	4.215	-18.52	259800.
#2	.2119	.0906	-1.194	7.842	-32.31	262100.
#3	-.0012	-.4949	-.2677	5.438	-44.80	266100.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						100000.
Low Limit						-5000.

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 836000.	.4521	F 907000.	4.117	2.757	-1.667
Stddev	7637.	.0777	9332.	.622	1.194	1.803
%RSD	.9135	17.19	1.029	15.11	43.32	108.1

#1	841700.	.3758	897500.	4.715	2.693	-.7417
#2	838900.	.4493	907300.	4.163	1.596	-3.745
#3	827300.	.5312	916100.	3.473	3.981	-.5149

Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.		250000.			
Low Limit	-2000.		-5000.			

Sample Name: 460-44830-b-9-b Acquired: 9/25/2012 0:09:39 Type: Unk
Method: SW846_092412 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	1.001	2.398	.4437	47.00	F 2820.	6.931
Stddev	4.323	1.881	.1723	2.85	129.	.566
%RSD	431.9	78.45	38.83	6.057	4.563	8.159
#1	-3.160	3.929	.5939	48.51	2886.	7.532
#2	5.469	.2984	.4815	48.76	2902.	6.852
#3	.6940	2.965	.2556	43.71	2672.	6.409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					2000.	
Low Limit					-50.00	

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	.2975	5109.	7.949	3078.
Stddev	.6976	139.	.133	90.
%RSD	234.5	2.710	1.677	2.916
#1	.8481	5132.	7.832	3174.
#2	.5314	4961.	8.094	3062.
#3	-.4870	5235.	7.922	2997.
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	2434.0	33372.	6993.7
Stddev	14.9	292.	185.2
%RSD	.61031	.87526	2.6477
#1	2419.2	33709.	7187.0
#2	2433.8	33198.	6976.2
#3	2448.9	33209.	6817.9

Sample Name: CCV Acquired: 9/25/2012 0:14:20 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122000.	2452.	1244.	9939.	985.0	F 110200.
Stddev	629.	8.	7.	31.	5.1	793.
%RSD	.5156	.3401	.5709	.3120	.5142	.7197

#1	122000.	2459.	1237.	9969.	986.8	111100.
#2	122600.	2443.	1243.	9907.	988.9	109700.
#3	121300.	2454.	1251.	9940.	979.2	109800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						125000.
Range						-10.50%

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1240.	2469.	5062.	12240.	99290.	50450.
Stddev	4.	9.	24.	62.	589.	203.
%RSD	.3277	.3511	.4780	.5083	.5935	.4030

#1	1244.	2477.	5035.	12240.	98670.	50500.
#2	1236.	2460.	5069.	12310.	99370.	50630.
#3	1241.	2471.	5082.	12180.	99840.	50230.

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.	5037.	127500.	2495.	7548.	991.1
Stddev	744.	27.	622.	11.	25.	10.7
%RSD	.5989	.5319	.4879	.4374	.3276	1.079

#1	123500.	5010.	127200.	2506.	7569.	1001.
#2	124200.	5039.	128200.	2484.	7520.	979.5
#3	125000.	5063.	127000.	2495.	7554.	993.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/25/2012 0:14:20 Type: QC
Method: SW846_092412 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	2442.	2509.	2493.	2442.	977.5	2486.
Stddev	11.	6.	8.	8.	4.6	10.
%RSD	.4615	.2459	.3351	.3110	.4713	.4127

#1	2450.	2515.	2484.	2449.	980.2	2497.
#2	2429.	2503.	2496.	2434.	972.2	2477.
#3	2448.	2507.	2500.	2444.	980.1	2483.

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	996.4	5034.	9940.	9571.
Stddev	4.1	96.	56.	12.
%RSD	.4092	1.907	.5599	.1256

#1	1000.	4945.	9951.	9584.
#2	996.9	5021.	9989.	9571.
#3	992.1	5135.	9880.	9560.

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	3048.2	43289.	7191.7
Stddev	10.0	73.	32.6
%RSD	.32748	.16939	.45281

#1	3038.4	43342.	7181.7
#2	3047.7	43318.	7165.3
#3	3058.4	43205.	7228.1

Sample Name: CCB Acquired: 9/25/2012 0:18:26 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.94	-2.458	-.9924	.1592	-.0511	9.847
Stddev	15.42	1.041	1.048	.0517	.0182	6.456
%RSD	77.33	42.37	105.6	32.45	35.50	65.56
#1	28.74	-3.555	-2.163	.1461	-.0527	16.89
#2	2.136	-1.483	-.6758	.2161	-.0323	8.456
#3	28.95	-2.335	-.1387	.1153	-.0685	4.201

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0246	-.1696	.5365	-2.675	4.923	354.0
Stddev	.0728	.0683	.3948	2.418	5.108	44.6
%RSD	295.6	40.29	73.59	90.39	103.8	12.61
#1	-.0422	-.1652	.7852	-5.168	8.393	374.4
#2	.0553	-.1035	.7431	-2.517	7.318	384.7
#3	-.0870	-.2400	.0812	-.3398	-.9428	302.8

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	3.423	-.0255	536.7	.1846	.1660	-.9104
Stddev	5.060	.1184	97.3	1.031	.3280	.7977
%RSD	147.8	463.5	18.12	558.6	197.6	87.62
#1	5.847	.1059	639.5	1.179	-.2120	-.5104
#2	6.814	-.1237	524.4	-.8802	.3344	-.3920
#3	-2.394	-.0588	446.2	.2555	.3757	-1.829

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/25/2012 0:18:26 Type: QC
Method: SW846_092412 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	-0.7076	-2.214	-0.4302	-0.2614	2.986	1.062
Stddev	2.794	1.086	.5248	.0545	.848	.048
%RSD	394.9	49.04	122.0	20.84	28.40	4.531
#1	-1.583	-2.268	-.7915	-.3146	3.940	1.007
#2	2.419	-1.102	-.6708	-.2057	2.704	1.085
#3	-2.960	-3.272	.1718	-.2639	2.315	1.095

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	-0.1415	.0623	-1.172	4.719
Stddev	.6386	.2508	1.267	12.81
%RSD	451.1	402.5	108.1	271.3
#1	.1036	.3502	-.5602	-10.06
#2	-.8664	-.0547	-2.629	12.33
#3	.3381	-.1086	-.3280	11.89

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	3366.5	49120.	7467.7
Stddev	7.7	303.	62.1
%RSD	.22812	.61741	.83158
#1	3374.4	49433.	7458.7
#2	3366.2	48828.	7410.6
#3	3359.0	49100.	7533.9

Sample Name: 460-44830-b-10-b Acquired: 9/25/2012 0:22:46 Type: Unk

Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	79.19	.8092	.3441	112.5	.0268	165400.
Stddev	32.57	2.362	.2897	3.2	.0999	1054.
%RSD	41.13	291.9	84.20	2.847	373.4	.6373

#1	93.56	3.412	.3220	114.1	-.0875	166300.
#2	41.91	-1.198	.6443	114.7	.0698	165800.
#3	102.1	.2144	.0661	108.9	.0979	164300.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2991	.0868	.7796	44.08	-38.70	F 130800.
Stddev	.1620	.0625	.2124	2.23	41.65	927.
%RSD	54.17	72.00	27.24	5.059	107.6	.7092

#1	.1252	.1565	.5345	46.61	-4.544	131700.
#2	.4458	.0356	.9099	43.24	-85.10	129900.
#3	.3261	.0684	.8943	42.40	-26.46	130700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						100000.
Low Limit						-5000.

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 353700.	5.485	F 841400.	5.305	2.051	2.420
Stddev	2535.	.176	42380.	.035	.511	2.232
%RSD	.7169	3.210	5.037	.6632	24.92	92.25

#1	355900.	5.688	889900.	5.265	1.475	3.008
#2	350900.	5.391	823000.	5.315	2.230	4.299
#3	354200.	5.375	811400.	5.333	2.448	-.0478

Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.		250000.			
Low Limit	-2000.		-5000.			

Sample Name: 460-44830-b-10-b Acquired: 9/25/2012 0:22:46 Type: Unk
Method: SW846_092412 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	1.335	1.080	1.887	53.79	1321.	19.38
Stddev	2.717	2.139	.479	1.76	25.	.57
%RSD	203.5	198.1	25.38	3.277	1.878	2.935
#1	-1.773	-.9261	1.337	54.87	1336.	19.31
#2	2.515	3.331	2.109	54.74	1334.	19.99
#3	3.264	.8345	2.215	51.75	1292.	18.85

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	.8830	2503.	5.271	8410.
Stddev	.5085	7.	1.584	12.
%RSD	57.59	.2815	30.05	.1396
#1	.8652	2511.	6.432	8400.
#2	1.400	2499.	3.466	8423.
#3	.3836	2499.	5.915	8408.

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	2771.3	37832.	7251.5
Stddev	15.7	87.	3.4
%RSD	.56825	.23019	.04725
#1	2785.5	37921.	7251.0
#2	2754.3	37827.	7255.1
#3	2774.0	37747.	7248.3

Sample Name: 460-44820-j-1-a Acquired: 9/25/2012 0:27:17 Type: Unk
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	429.7	.6019	.0284	7.400	.0226	1204.
Stddev	12.2	1.029	.4694	.174	.0509	7.
%RSD	2.844	171.0	1654.	2.347	225.4	.5652
#1	442.4	.6864	-.2537	7.236	.0097	1196.
#2	428.6	1.586	-.2314	7.582	.0787	1208.
#3	418.1	-.4667	.5702	7.381	-.0207	1208.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2297	.6603	1.220	2.154	895.7	1781.
Stddev	.2590	.1563	.415	3.685	17.6	283.
%RSD	112.8	23.66	34.01	171.1	1.964	15.91
#1	.5023	.8071	1.698	-2.038	895.8	2089.
#2	-.0131	.6779	.9982	4.886	913.3	1720.
#3	.1998	.4960	.9627	3.613	878.1	1533.

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	603.1	27.66	2399.	2.208	4.132	.5629
Stddev	1.6	.15	740.	.531	.731	1.671
%RSD	.2582	.5247	30.85	24.07	17.69	296.9
#1	601.7	27.50	3219.	2.289	4.144	.3467
#2	602.8	27.78	2197.	1.641	3.395	2.332
#3	604.8	27.70	1781.	2.694	4.857	-.9899

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44820-j-1-a Acquired: 9/25/2012 0:27:17 Type: Unk
Method: SW846_092412 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	.0620	-2.830	3.204	54.83	8.452	-.0339
Stddev	1.143	.790	.373	.38	.439	.5388
%RSD	1844.	27.92	11.64	.6991	5.195	1589.
#1	-1.257	-3.707	3.201	54.39	8.958	-.6527
#2	.6704	-2.175	3.579	55.11	8.165	.2192
#3	.7721	-2.606	2.833	54.99	8.234	.3318

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	.6770	10.61	16.12	847.7
Stddev	.6584	.30	.85	23.2
%RSD	97.26	2.832	5.291	2.737
#1	-.0831	10.94	16.92	860.9
#2	1.072	10.53	15.22	820.9
#3	1.042	10.35	16.20	861.3

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	3435.9	49611.	7575.0
Stddev	12.9	267.	72.2
%RSD	.37435	.53814	.95300
#1	3448.9	49769.	7491.6
#2	3435.5	49303.	7617.0
#3	3423.2	49761.	7616.3

Sample Name: CCV Acquired: 9/25/2012 0:31:34 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123600.	2485.	1242.	10060.	996.6	F 111300.
Stddev	155.	10.	12.	46.	2.4	766.
%RSD	.1252	.4209	.9802	.4575	.2455	.6881
#1	123700.	2484.	1250.	10070.	999.4	111200.
#2	123400.	2475.	1248.	10020.	995.0	110700.
#3	123600.	2496.	1228.	10110.	995.3	112200.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						125000.
Range						-10.50%

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1260.	2502.	5052.	12410.	99670.	51030.
Stddev	7.	9.	48.	9.	854.	125.
%RSD	.5170	.3586	.9434	.0733	.8570	.2442
#1	1260.	2506.	5084.	12410.	100200.	51170.
#2	1254.	2492.	5074.	12400.	100100.	50950.
#3	1267.	2509.	4997.	12410.	98690.	50970.

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	124600.	5050.	128600.	2528.	7672.	1004.
Stddev	1185.	44.	326.	12.	48.	6.
%RSD	.9508	.8627	.2534	.4917	.6288	.6452
#1	125300.	5080.	128700.	2531.	7658.	1006.
#2	125200.	5070.	128200.	2515.	7632.	996.9
#3	123200.	5000.	128800.	2540.	7726.	1009.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/25/2012 0:31:34 Type: QC
Method: SW846_092412 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	2485.	2548.	2491.	2480.	988.3	2520.
Stddev	16.	11.	18.	9.	4.8	12.
%RSD	.6478	.4447	.7300	.3702	.4905	.4903
#1	2473.	2552.	2501.	2482.	986.6	2518.
#2	2478.	2535.	2501.	2470.	984.5	2509.
#3	2503.	2557.	2470.	2488.	993.8	2533.

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	1012.	5039.	10060.	9629.
Stddev	4.	124.	14.	65.
%RSD	.3790	2.461	.1348	.6794
#1	1013.	4979.	10080.	9664.
#2	1007.	5182.	10050.	9553.
#3	1015.	4957.	10060.	9669.

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	3023.7	43332.	7096.4
Stddev	25.1	324.	12.6
%RSD	.82978	.74720	.17704
#1	3017.1	43046.	7087.7
#2	3051.4	43266.	7090.7
#3	3002.6	43683.	7110.8

Sample Name: CCB Acquired: 9/25/2012 0:35:39 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.77	-3.426	-.4543	-.0726	.0811	7.544
Stddev	14.23	2.001	.3536	.1491	.0501	3.589
%RSD	65.35	58.42	77.84	205.5	61.77	47.57

#1	29.35	-1.121	-.8330	.0981	.1094	11.62
#2	5.360	-4.429	-.1329	-.1773	.0233	4.870
#3	30.62	-4.727	-.3969	-.1385	.1106	6.139

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0344	-.1187	.0712	1.777	4.929	284.8
Stddev	.1332	.2307	.2624	1.548	11.46	92.0
%RSD	386.8	194.3	368.6	87.07	232.5	32.31

#1	.0634	-.3288	.0215	3.003	18.08	390.0
#2	-.1861	.1281	-.1628	2.290	-.3849	244.7
#3	.0194	-.1554	.3548	.0384	-2.907	219.6

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	1.045	-.0063	290.9	-.2710	-.5958	-1.937
Stddev	.619	.0862	43.2	.5310	1.039	2.121
%RSD	59.25	1363.	14.86	195.9	174.4	109.5

#1	1.664	.0553	340.1	.2912	.2010	-1.951
#2	.4254	.0306	259.1	-.7640	-.2173	.1913
#3	1.047	-.1049	273.6	-.3403	-1.771	-4.051

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/25/2012 0:35:39 Type: QC
Method: SW846_092412 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

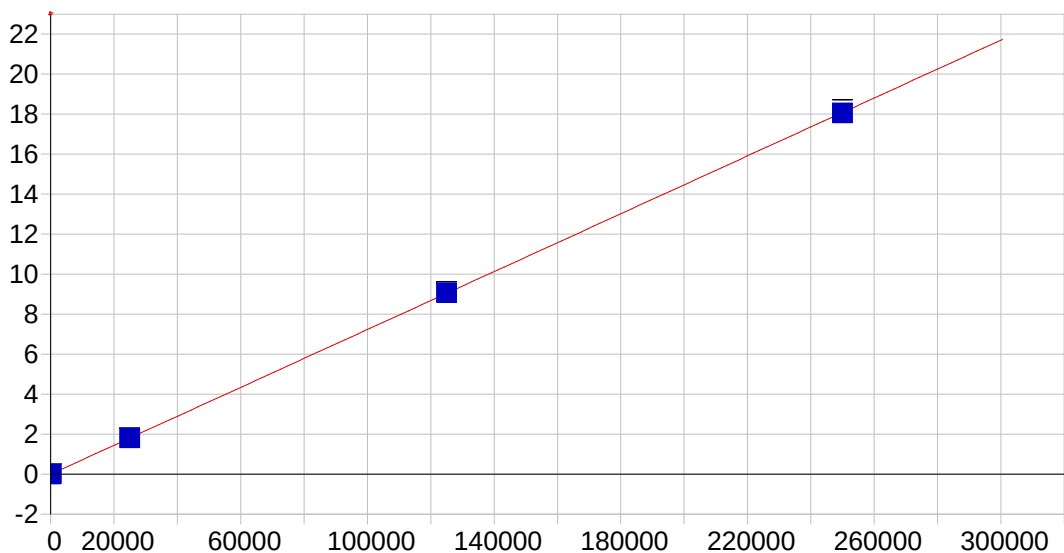
Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0173	-.6268	-.2414	-.3267	2.819	.8153
Stddev	1.703	2.165	.5872	.0458	.571	.2322
%RSD	9850.	345.4	243.3	14.03	20.25	28.49
#1	1.274	.7719	-.3329	-.3792	3.404	.9128
#2	-1.921	.4685	.3862	-.3064	2.789	.9828
#3	.6987	-3.121	-.7775	-.2946	2.264	.5502

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	.0295	.2824	-.4691	-1.118
Stddev	.6390	.3551	1.811	6.283
%RSD	2170.	125.8	386.1	561.9
#1	-.2951	.6726	1.445	3.436
#2	.7656	-.0219	-.6952	1.496
#3	-.3822	.1965	-2.157	-8.287

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	3307.1	48415.	7182.0
Stddev	18.5	478.	146.7
%RSD	.56050	.98778	2.0427
#1	3294.7	48149.	7135.0
#2	3298.1	48967.	7346.4
#3	3328.4	48129.	7064.5

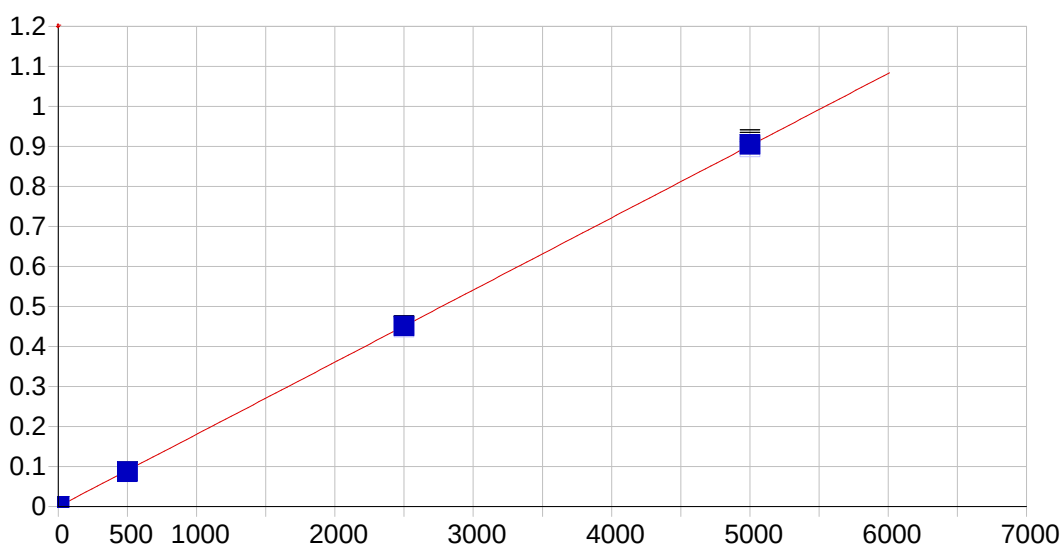


AI 396.152 { 85}

Date of Fit: 9/25/2012 11:25:43 Type of Fit: Linear Weighting: 1/Conc

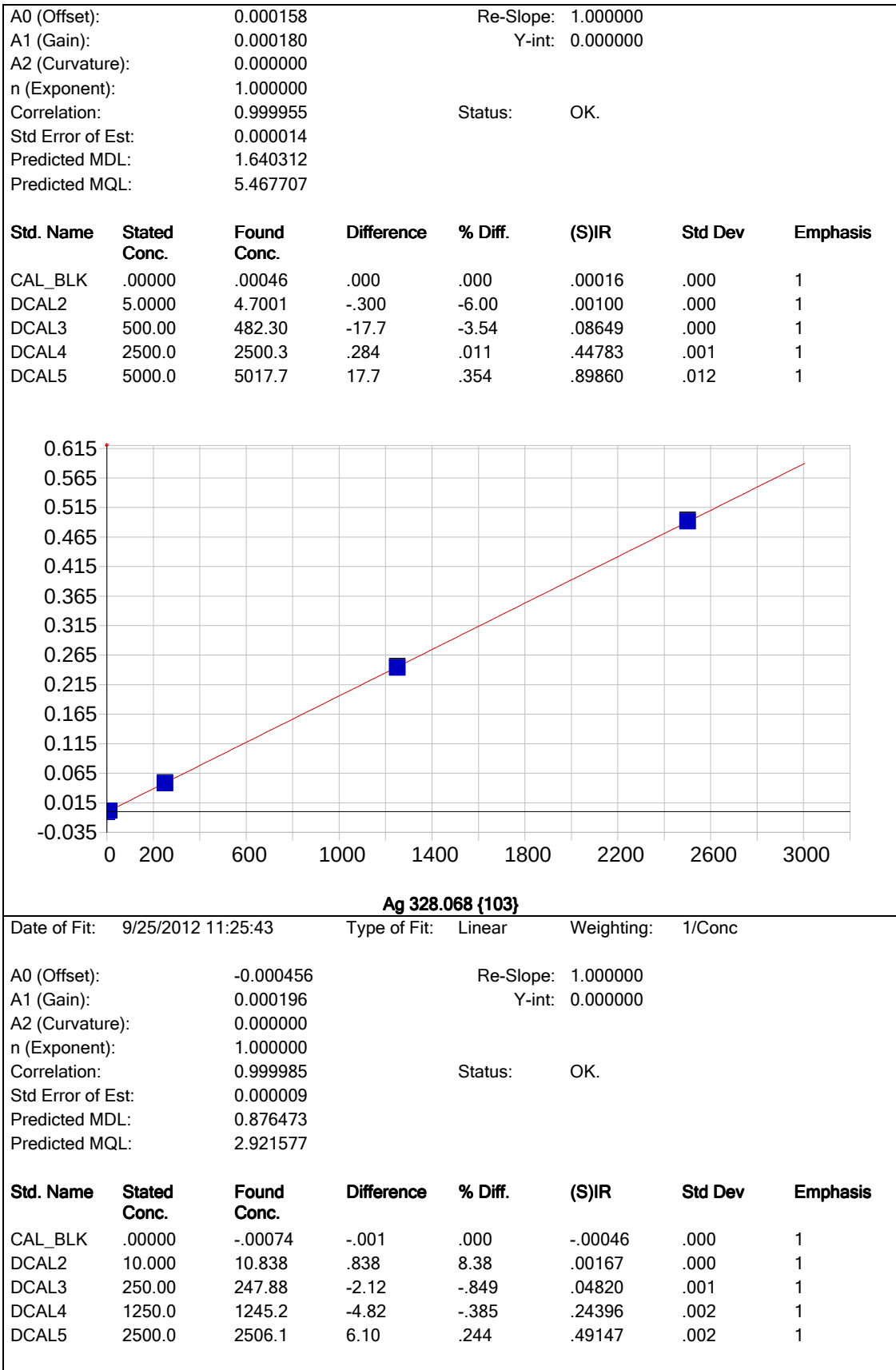
A0 (Offset): -0.001296 Re-Slope: 1.000000
 A1 (Gain): 0.000072 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999996 Status: OK.
 Std Error of Est: 0.000073
 Predicted MDL: 16.178286
 Predicted MQL: 53.927620

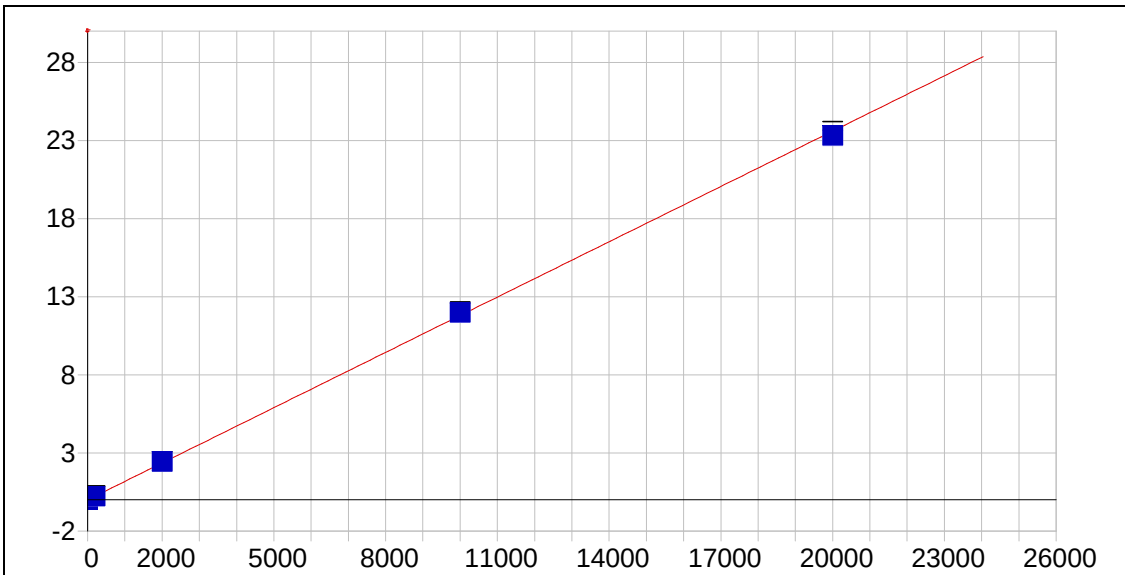
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00083	-.001	.000	-.00130	.001	1
DCAL2	200.00	200.56	.557	.279	.01324	.000	1
DCAL3	25000.	24981.	-19.0	-.076	1.8073	.004	1
DCAL4	125000.	125510.	507.	.406	9.0851	.052	1
DCAL5	250000.	249510.	-489.	-.195	18.063	.175	1



As 189.042 {478}

Date of Fit: 9/25/2012 11:25:43 Type of Fit: Linear Weighting: 1/Conc



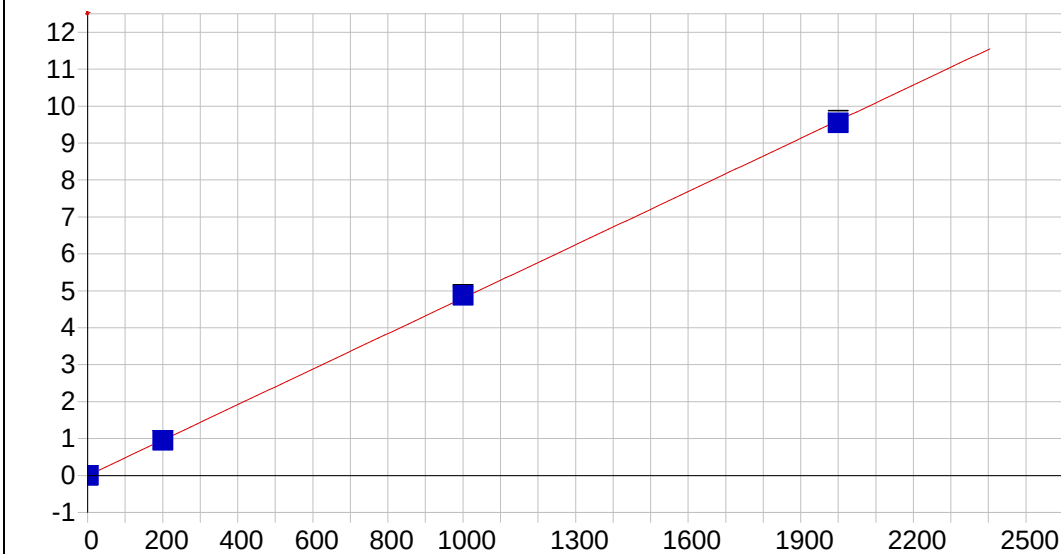


Ba 233.527 {445}

Date of Fit: 9/25/2012 11:25:43 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000344 Re-Slope: 1.000000
 A1 (Gain): 0.001180 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999869 Status: OK.
 Std Error of Est: 0.001975
 Predicted MDL: 0.255918
 Predicted MQL: 0.853059

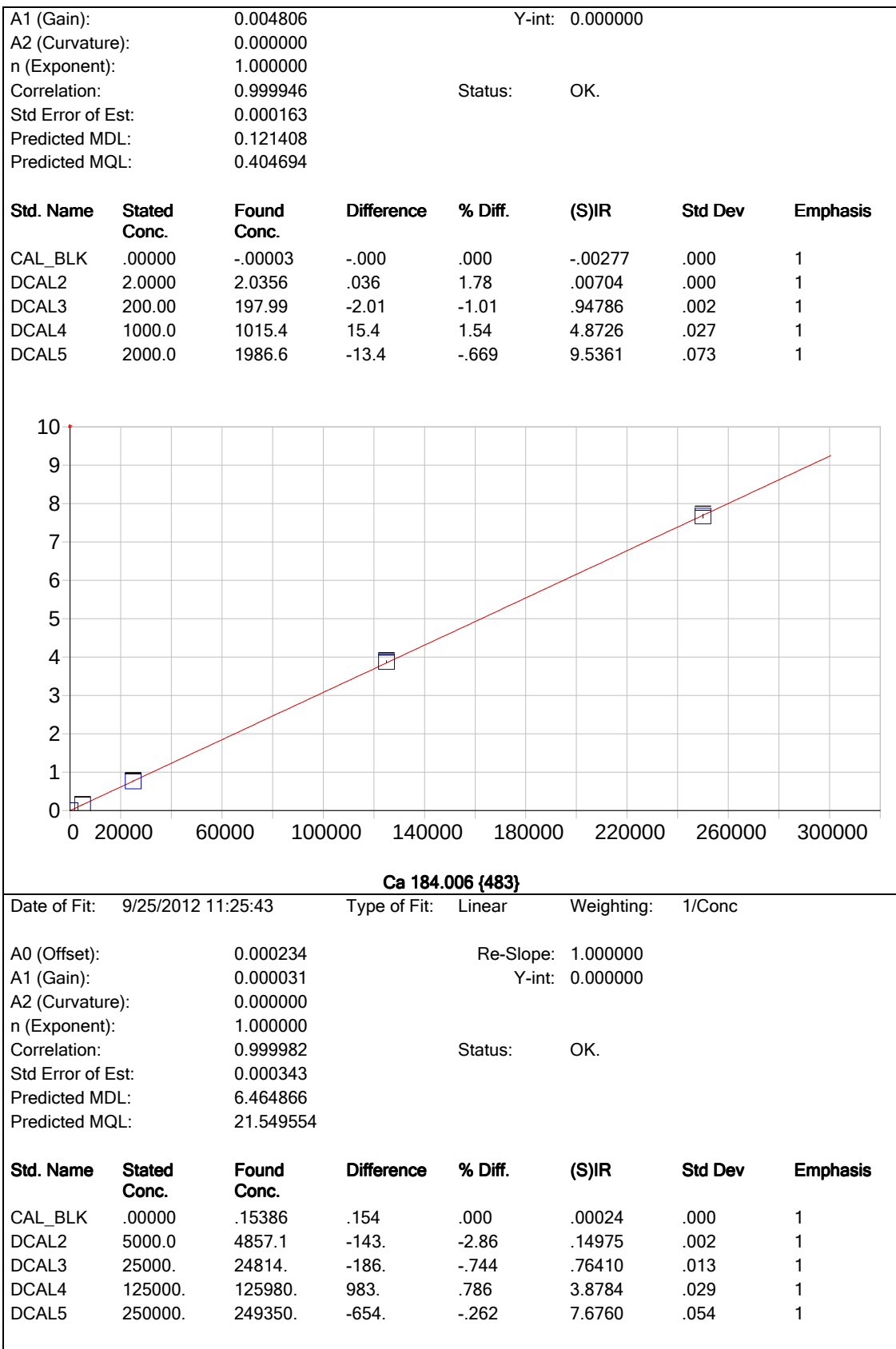
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.01394	-.014	.000	-.00036	.000	1
DCAL2	200.00	205.59	5.59	2.79	.24214	.004	1
DCAL3	2000.0	2075.8	75.8	3.79	2.4461	.006	1
DCAL4	10000.	10158.	158.	1.58	11.972	.043	1
DCAL5	20000.	19760.	-240.	-1.20	23.287	.278	1

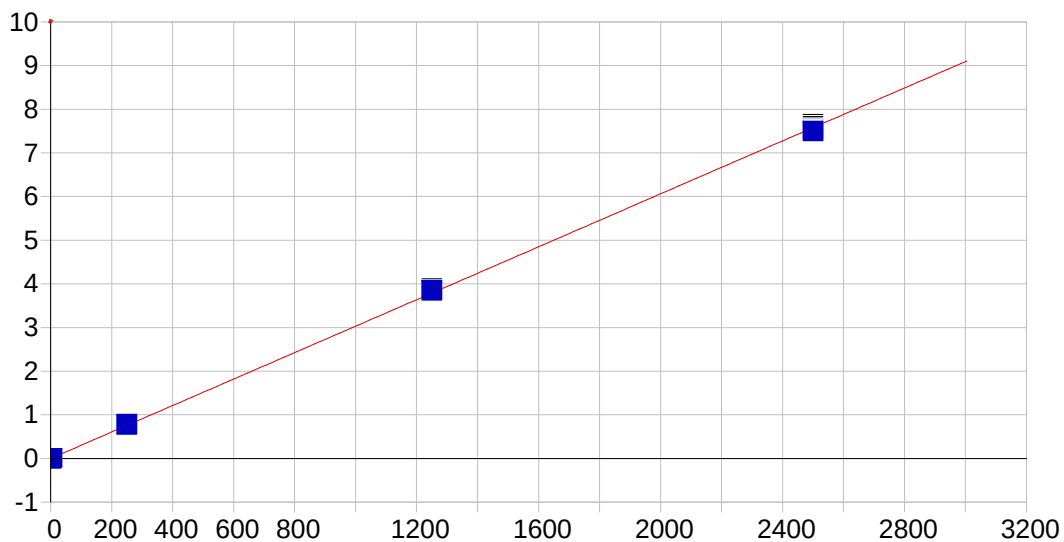


Be 313.042 {108}

Date of Fit: 9/25/2012 11:25:43 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002774 Re-Slope: 1.000000



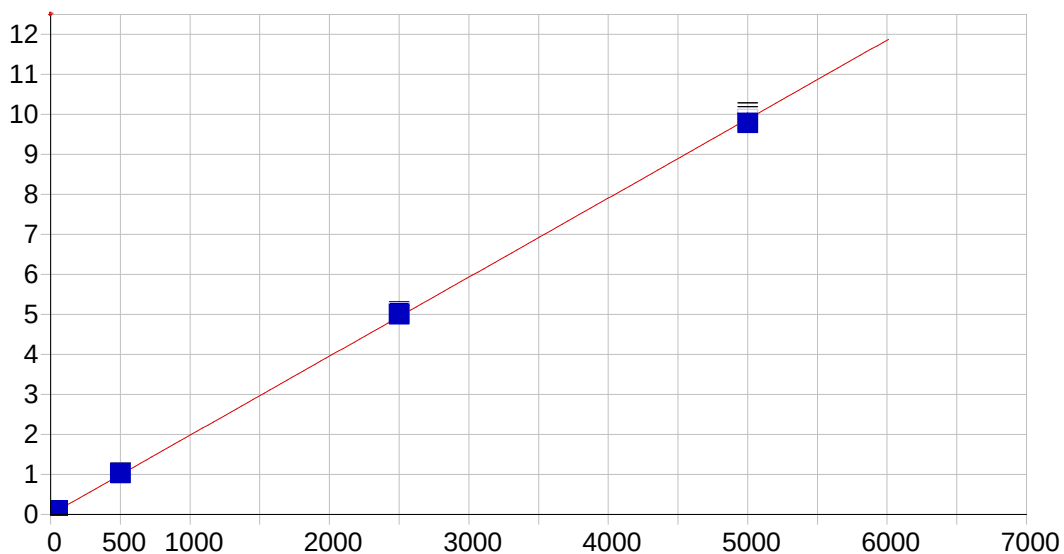


Cd 226.502 {449}

Date of Fit: 9/25/2012 11:25:43 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001585 Re-Slope: 1.000000
 A1 (Gain): 0.003032 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999917 Status: OK.
 Std Error of Est: 0.000203
 Predicted MDL: 0.140888
 Predicted MQL: 0.469627

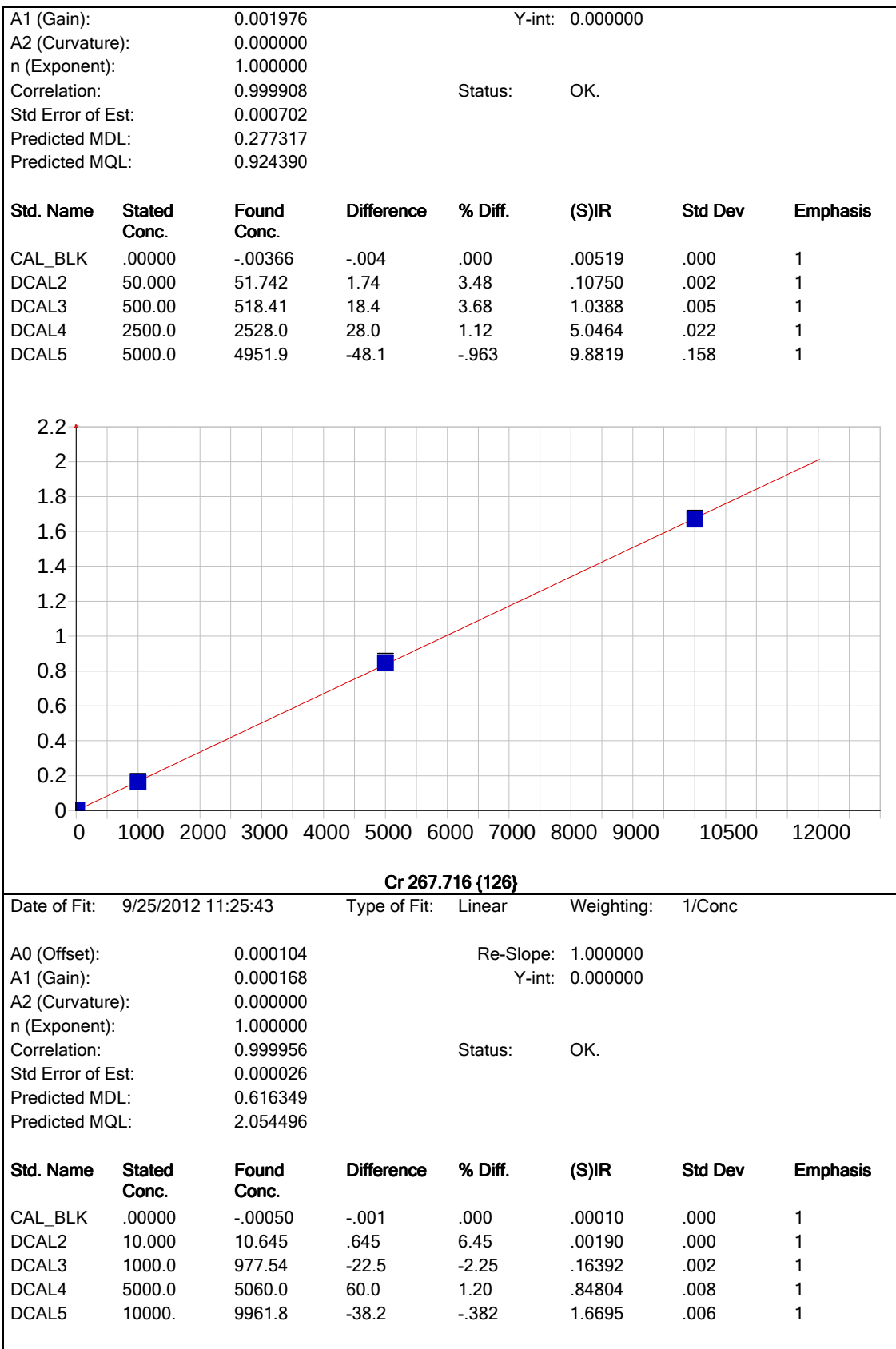
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00018	-.000	.000	-.00159	.000	1
DCAL2	4.0000	4.0662	.066	1.66	.01078	.000	1
DCAL3	250.00	256.06	6.06	2.42	.78005	.002	1
DCAL4	1250.0	1268.7	18.7	1.50	3.8715	.014	1
DCAL5	2500.0	2475.2	-24.8	-.994	7.5558	.097	1

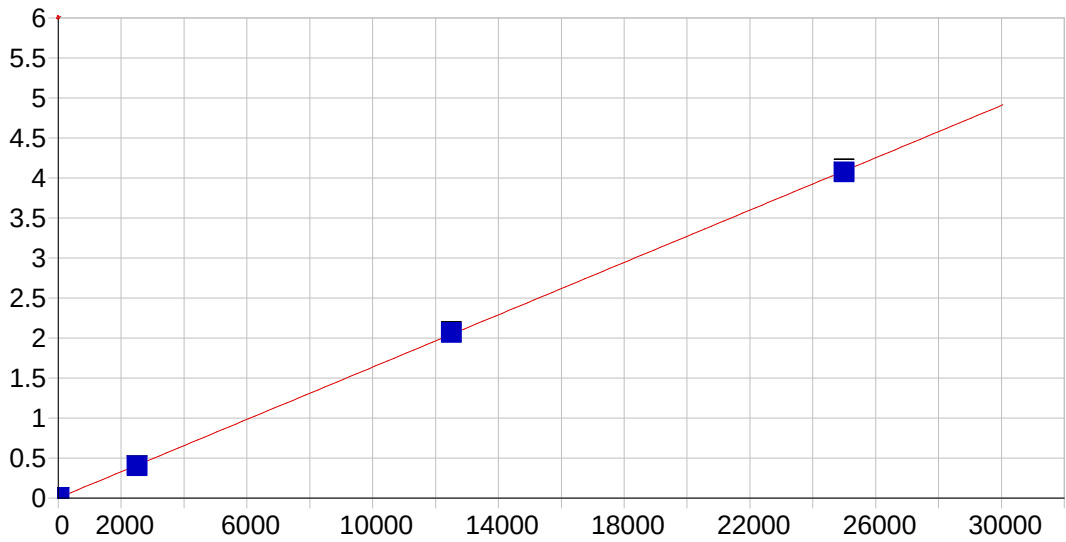


Co 228.616 {447}

Date of Fit: 9/25/2012 11:25:43 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.005197 Re-Slope: 1.000000



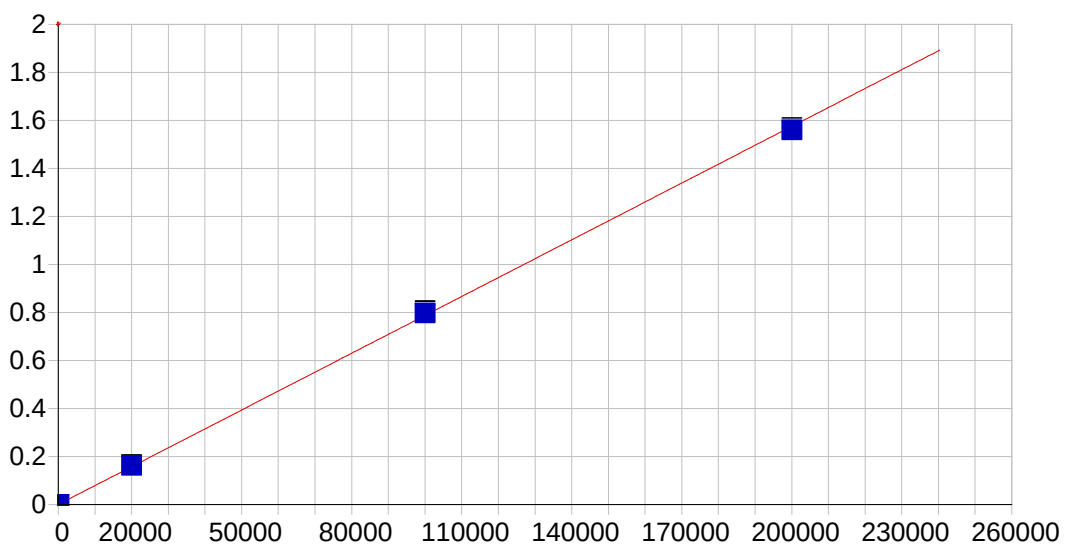


Cu 324.754 {104}

Date of Fit: 9/25/2012 11:25:43 Type of Fit: Linear Weighting: 1/Conc

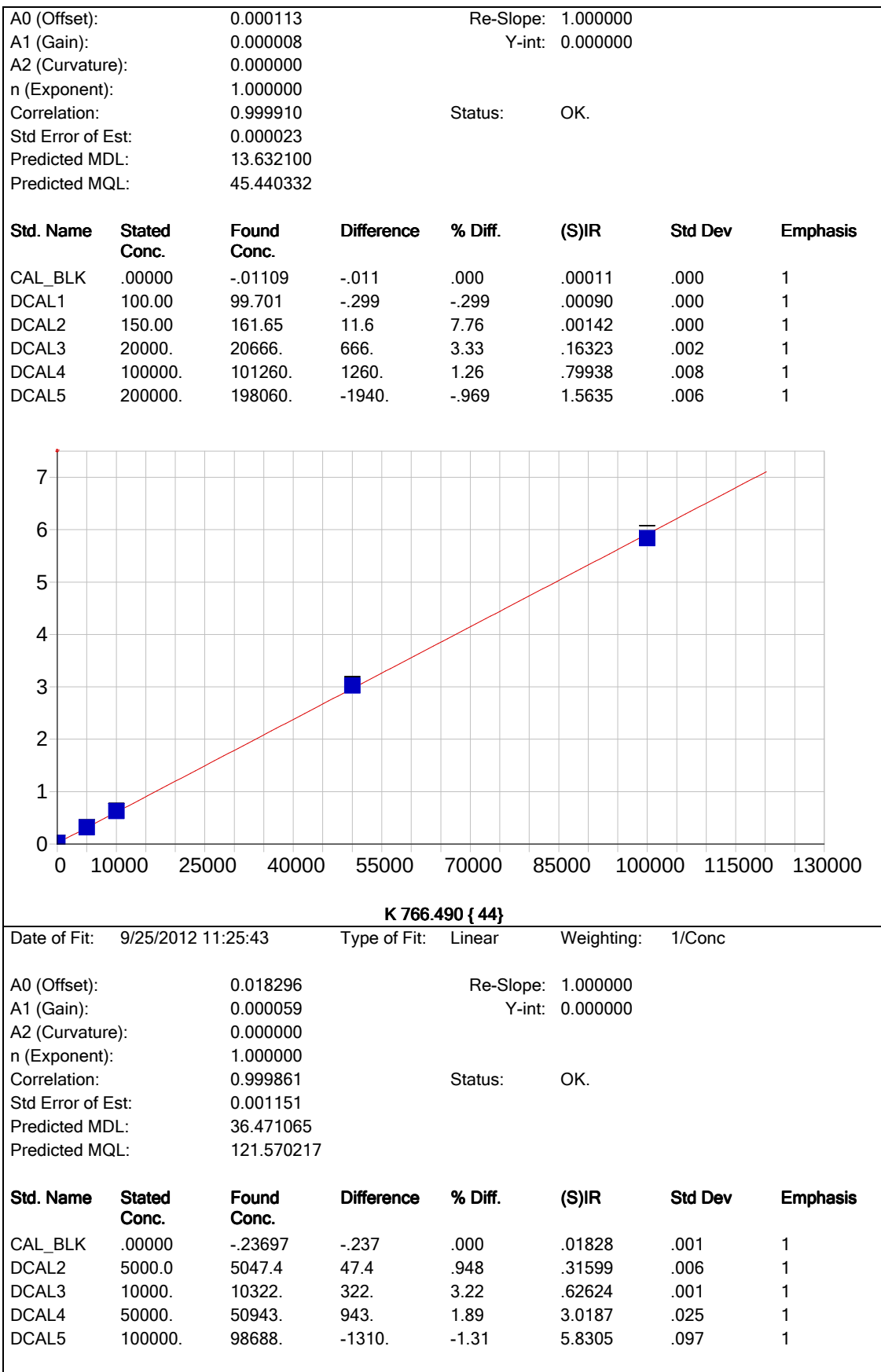
A0 (Offset): 0.002217 Re-Slope: 1.000000
 A1 (Gain): 0.000163 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999961 Status: OK.
 Std Error of Est: 0.000035
 Predicted MDL: 3.413724
 Predicted MQL: 11.379079

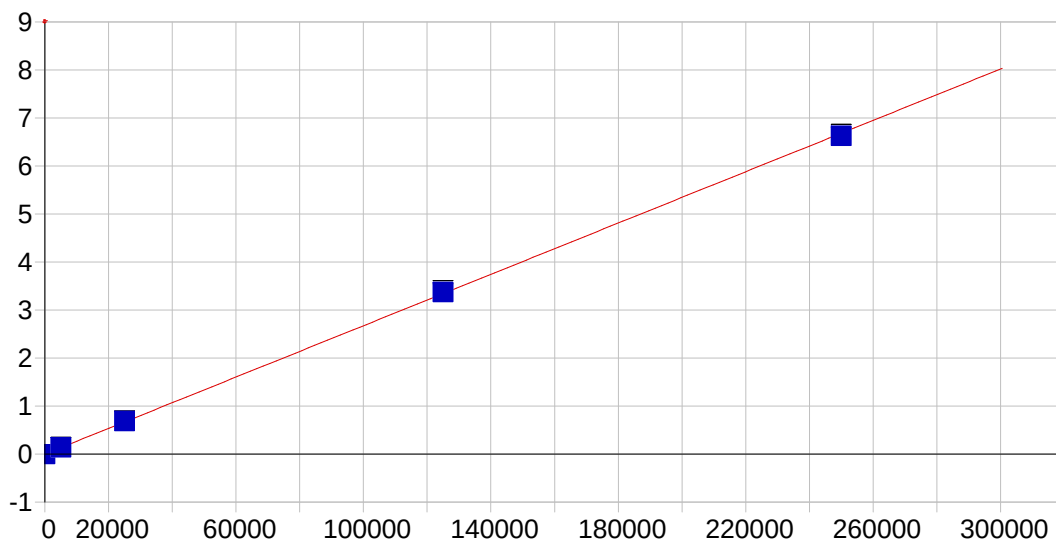
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00130	-.001	.000	.00222	.000	1
DCAL1	10.000	11.177	1.18	11.8	.00404	.001	1
DCAL2	25.000	25.658	.658	2.63	.00640	.000	1
DCAL3	2500.0	2446.2	-53.8	-2.15	.40150	.001	1
DCAL4	12500.	12638.	138.	1.11	2.0652	.010	1
DCAL5	25000.	24914.	-86.3	-.345	4.0688	.039	1



Fe 271.441 {124}

Date of Fit: 9/25/2012 11:25:43 Type of Fit: Linear Weighting: 1/Conc



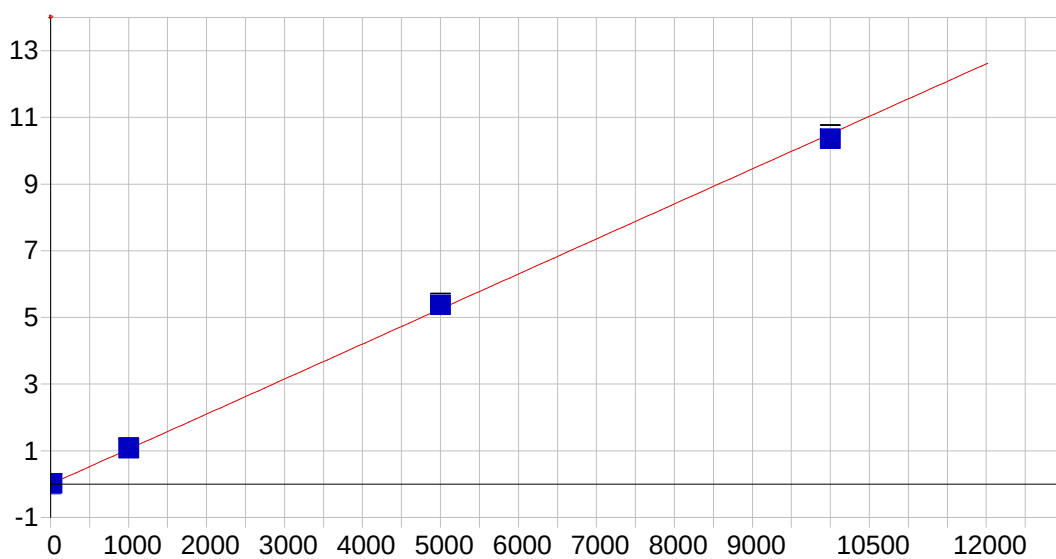


Mg 279.079 {121}

Date of Fit: 9/25/2012 11:25:43 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000010 Re-Slope: 1.000000
 A1 (Gain): 0.000027 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999930 Status: OK.
 Std Error of Est: 0.000580
 Predicted MDL: 4.388591
 Predicted MQL: 14.628635

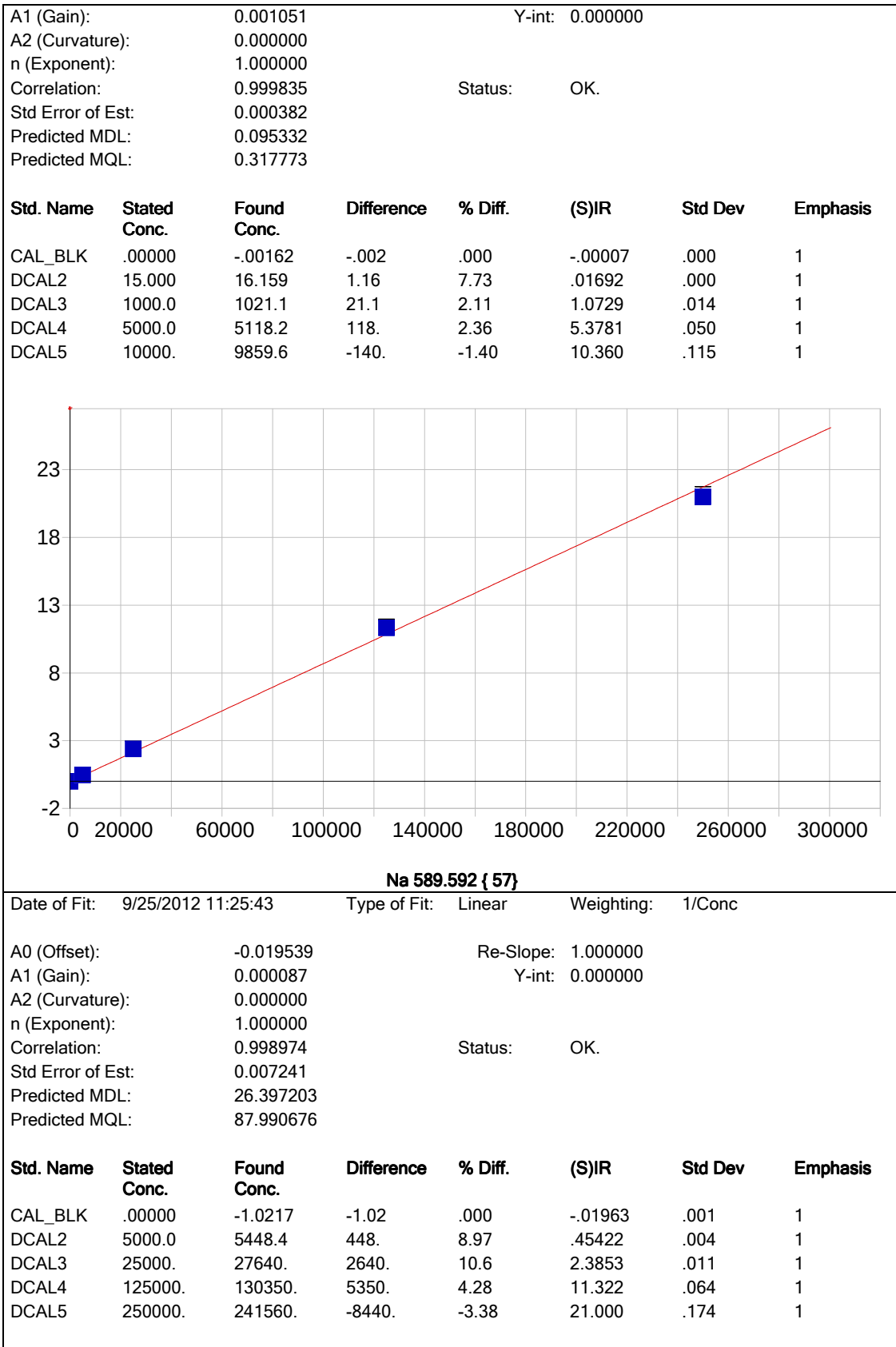
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.36814	-.368	.000	-.00002	.000	1
DCAL2	5000.0	5231.9	232.	4.64	.13985	.003	1
DCAL3	25000.	25649.	649.	2.60	.68547	.010	1
DCAL4	125000.	126210.	1210.	.964	3.3729	.032	1
DCAL5	250000.	247910.	-2090.	-.834	6.6256	.032	1

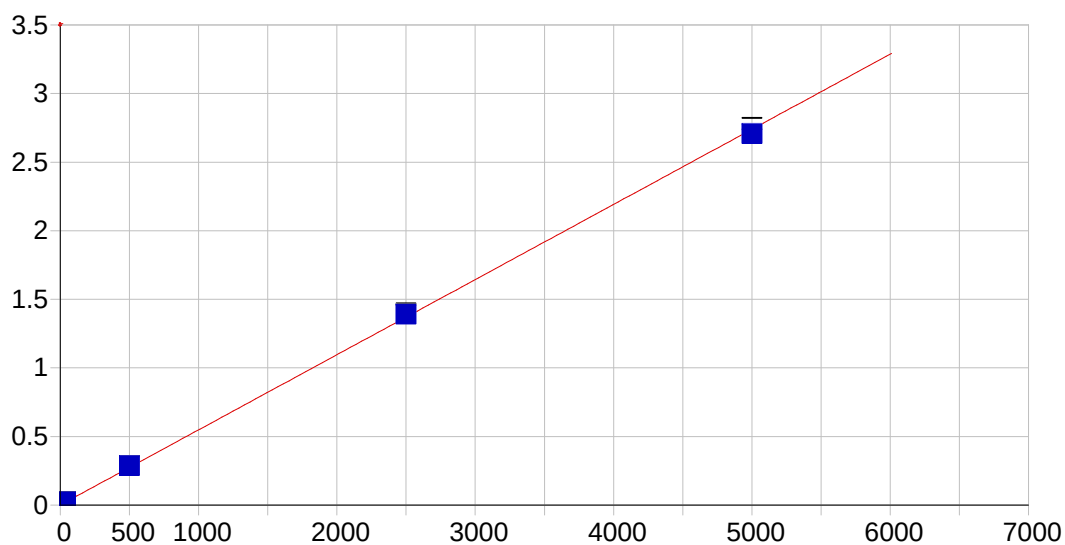


Mn 257.610 {131}

Date of Fit: 9/25/2012 11:25:43 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000064 Re-Slope: 1.000000



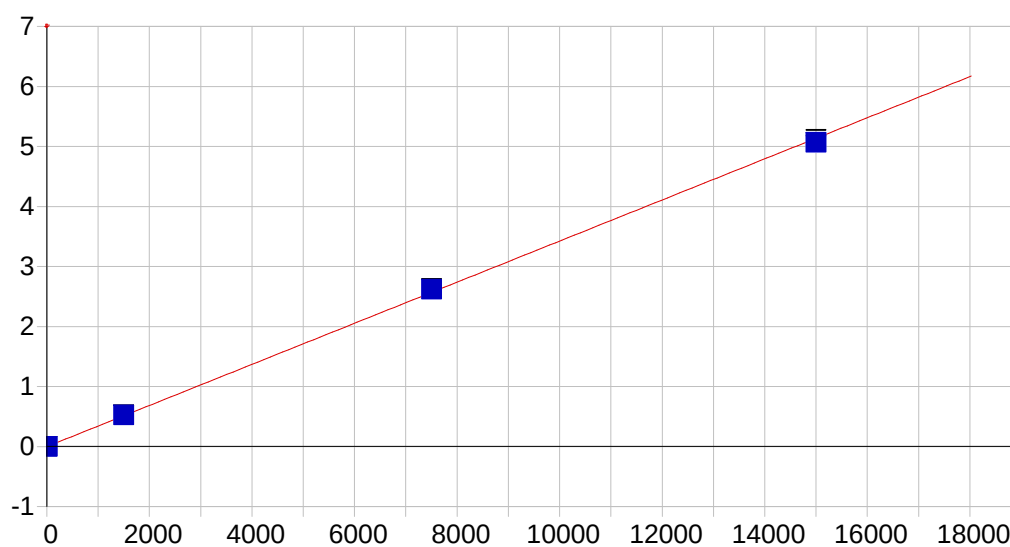


Ni 231.604 {446}

Date of Fit: 9/25/2012 11:25:43 Type of Fit: Linear Weighting: 1/Conc

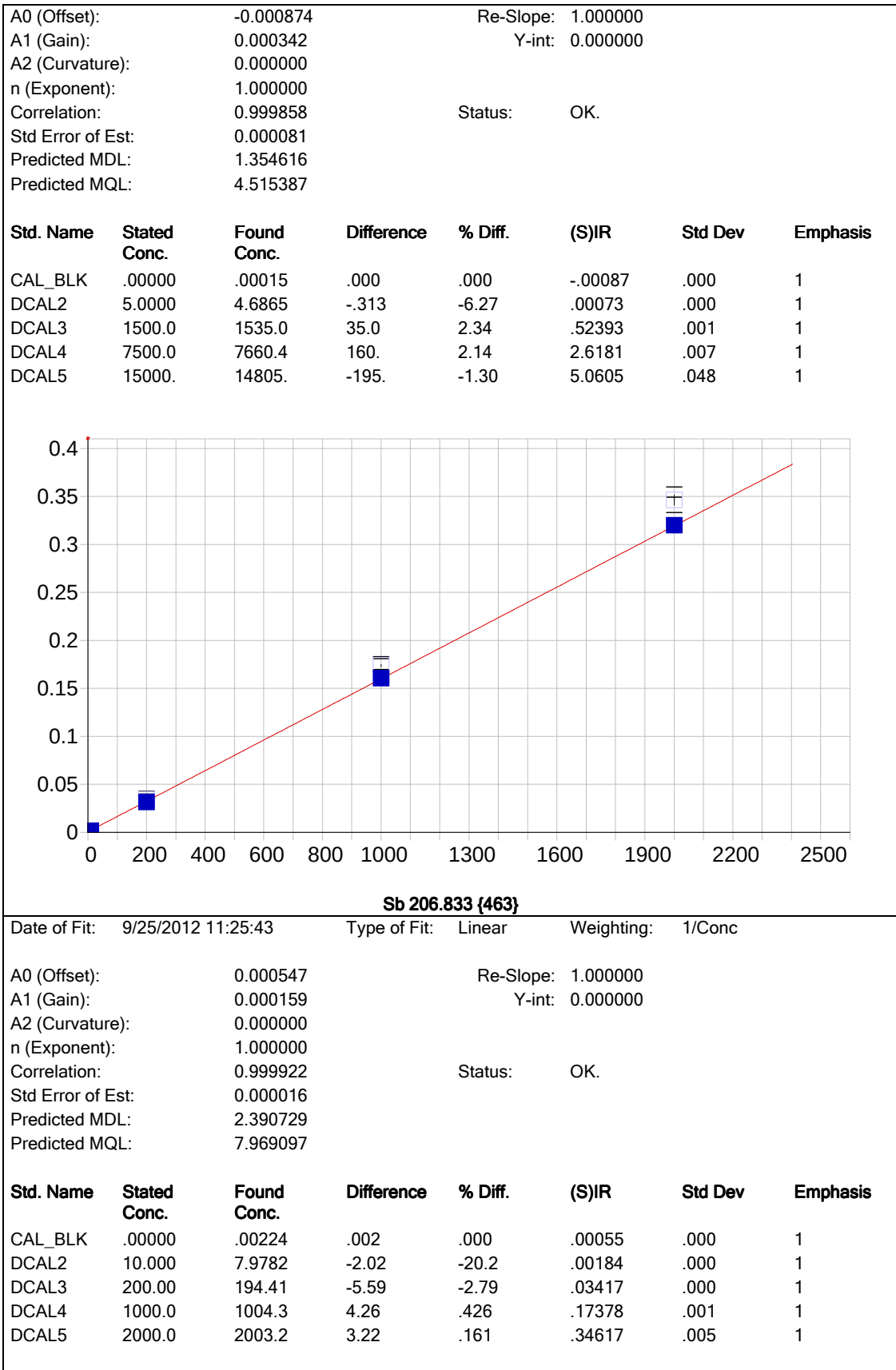
A0 (Offset): 0.000666 Re-Slope: 1.000000
 A1 (Gain): 0.000548 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999859 Status: OK.
 Std Error of Est: 0.000101
 Predicted MDL: 0.677579
 Predicted MQL: 2.258595

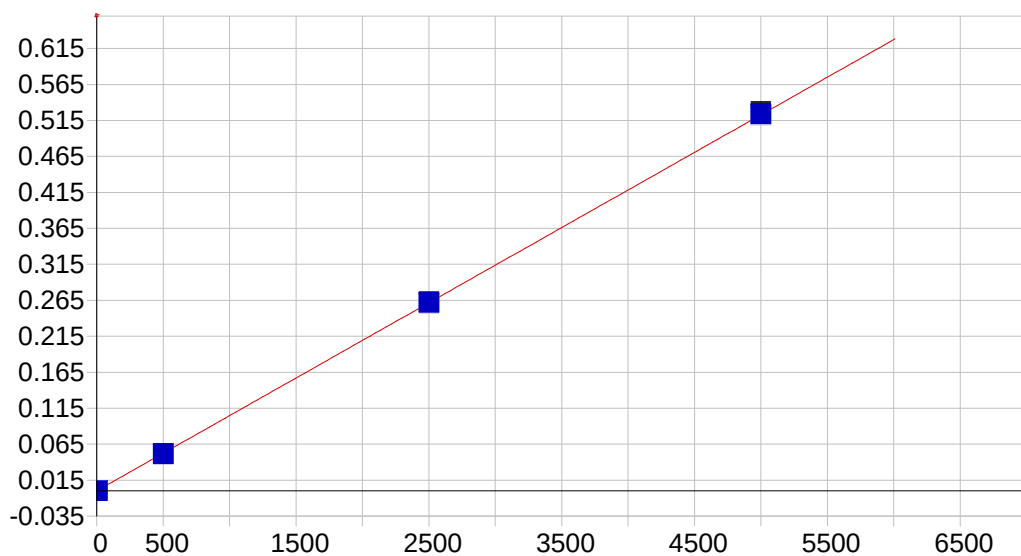
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00105	-.001	.000	.00067	.000	1
DCAL1	10.000	10.330	.330	3.30	.00633	.000	1
DCAL2	40.000	41.022	1.02	2.55	.02313	.001	1
DCAL3	500.00	521.71	21.7	4.34	.28695	.001	1
DCAL4	2500.0	2537.6	37.6	1.50	1.3932	.006	1
DCAL5	5000.0	4939.3	-60.7	-1.21	2.7114	.042	1



Pb 220.353 {453}

Date of Fit: 9/25/2012 11:25:43 Type of Fit: Linear Weighting: 1/Conc



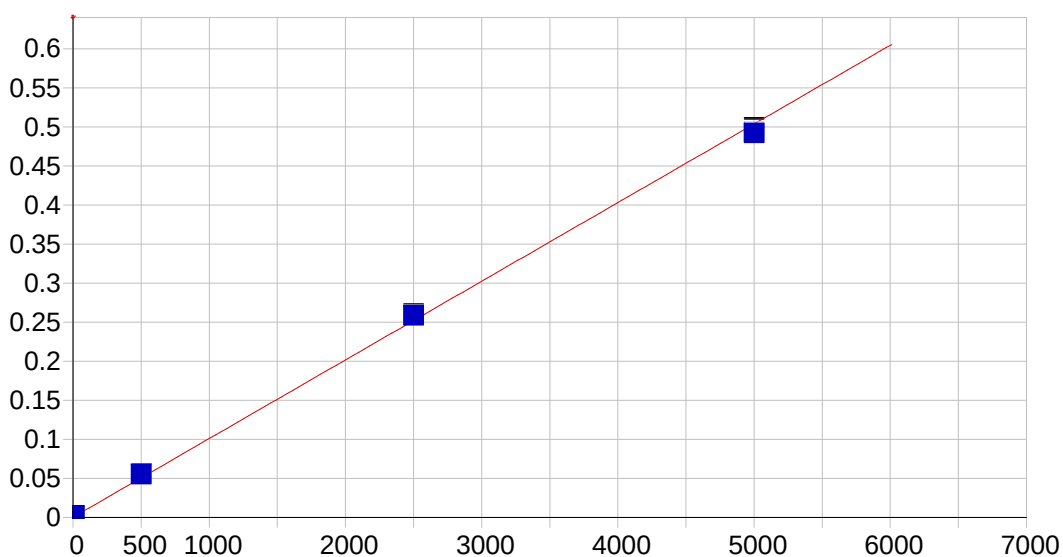


Se 196.090 {472}

Date of Fit: 9/25/2012 11:25:43 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000104 Re-Slope: 1.000000
 A1 (Gain): 0.000105 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999866 Status: OK.
 Std Error of Est: 0.000014
 Predicted MDL: 2.541761
 Predicted MQL: 8.472536

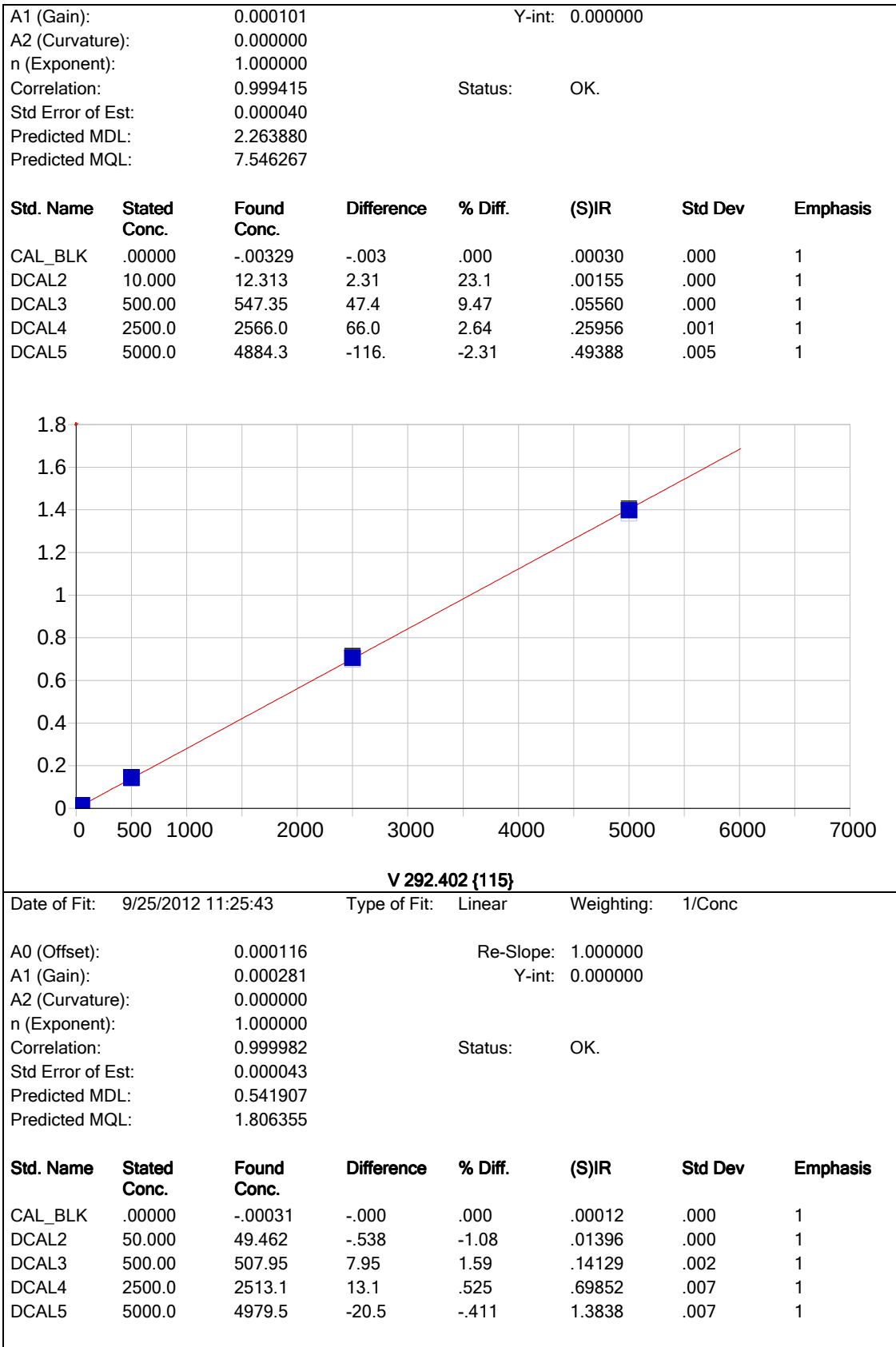
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00314	.003	.000	.00010	.000	1
DCAL2	5.0000	1.9589	-3.04	-60.8	.00030	.000	1
DCAL3	500.00	489.03	-11.0	-2.19	.05103	.000	1
DCAL4	2500.0	2501.5	1.51	.061	.26063	.001	1
DCAL5	5000.0	5012.5	12.5	.249	.52215	.003	1

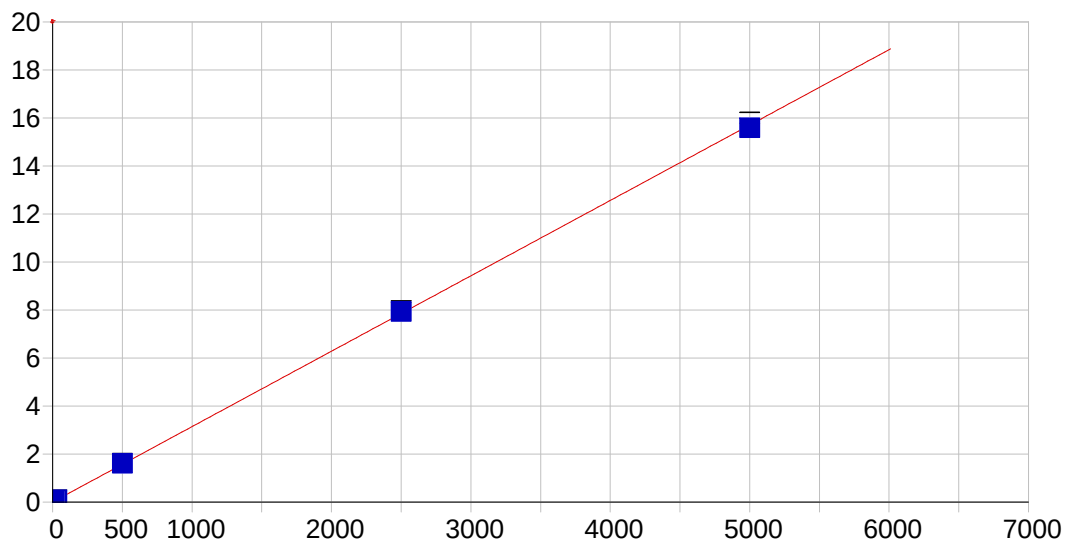


TI 190.856 {477}

Date of Fit: 9/25/2012 11:25:43 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000305 Re-Slope: 1.000000



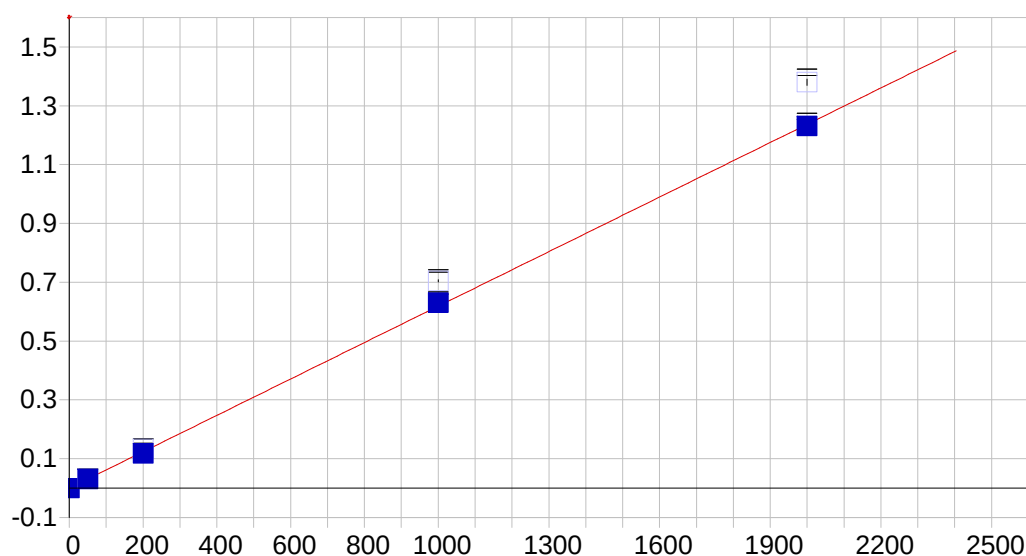


Zn 206.200 {463}

Date of Fit: 9/25/2012 11:25:43 Type of Fit: Linear Weighting: 1/Conc

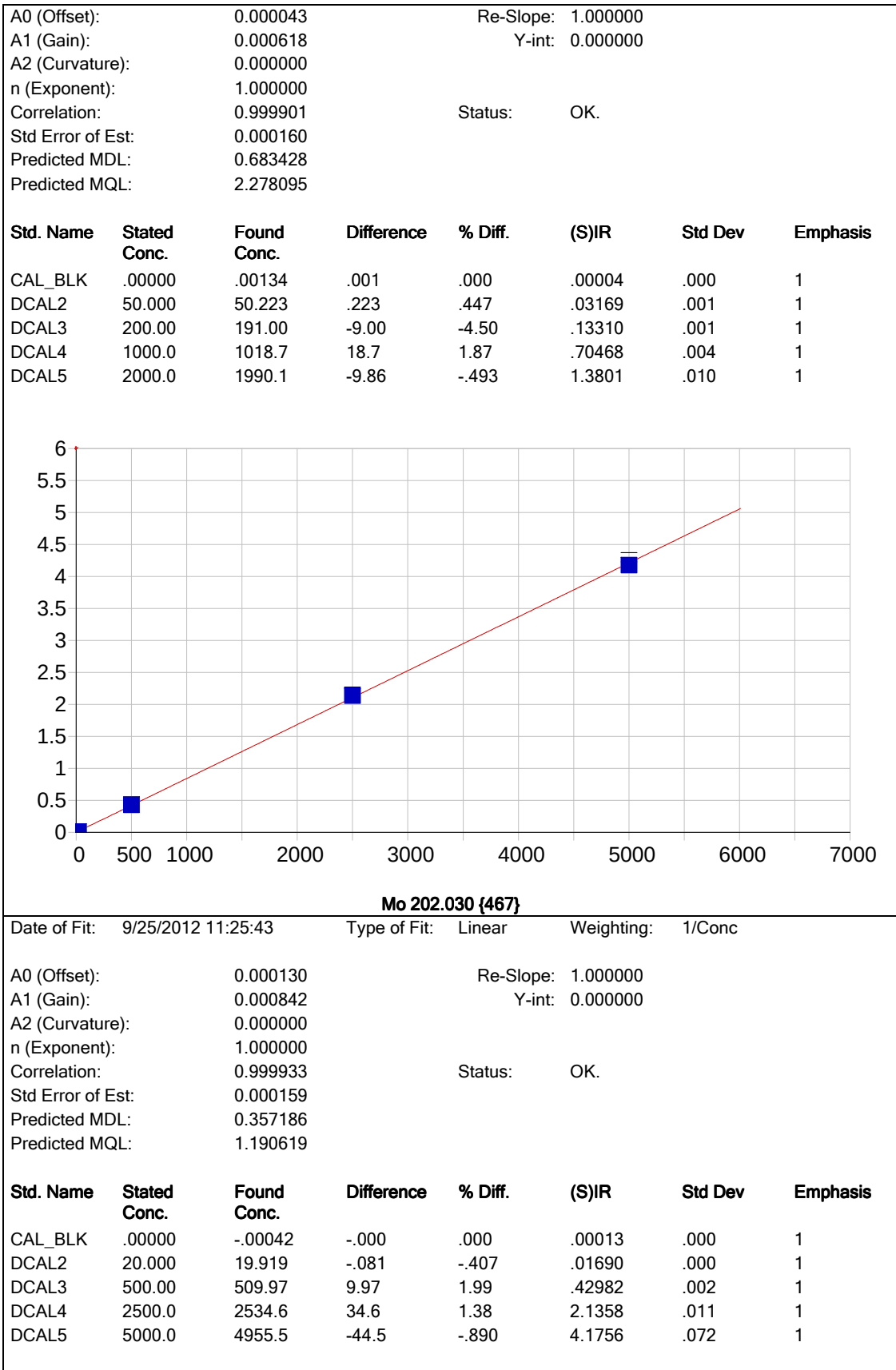
A0 (Offset): 0.000668 Re-Slope: 1.000000
 A1 (Gain): 0.003141 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999945 Status: OK.
 Std Error of Est: 0.000361
 Predicted MDL: 0.125946
 Predicted MQL: 0.419822

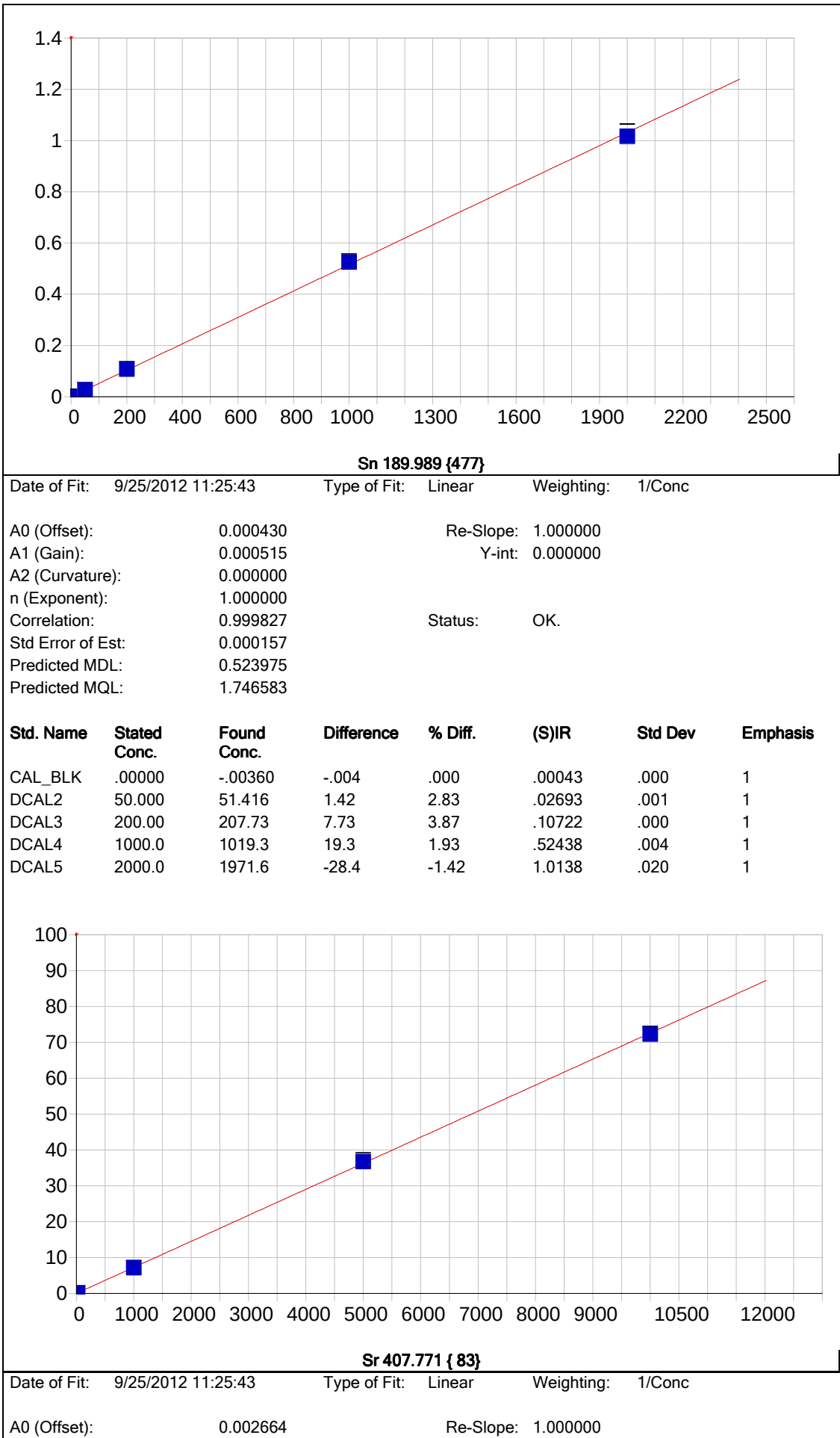
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00054	-.001	.000	.00067	.000	1
DCAL2	30.000	30.309	.309	1.03	.09589	.002	1
DCAL3	500.00	511.38	11.4	2.28	1.6085	.005	1
DCAL4	2500.0	2527.6	27.6	1.10	7.9479	.028	1
DCAL5	5000.0	4960.6	-39.4	-.789	15.598	.226	1
DCAL1	10.000	10.176	.176	1.76	.03264	.001	1

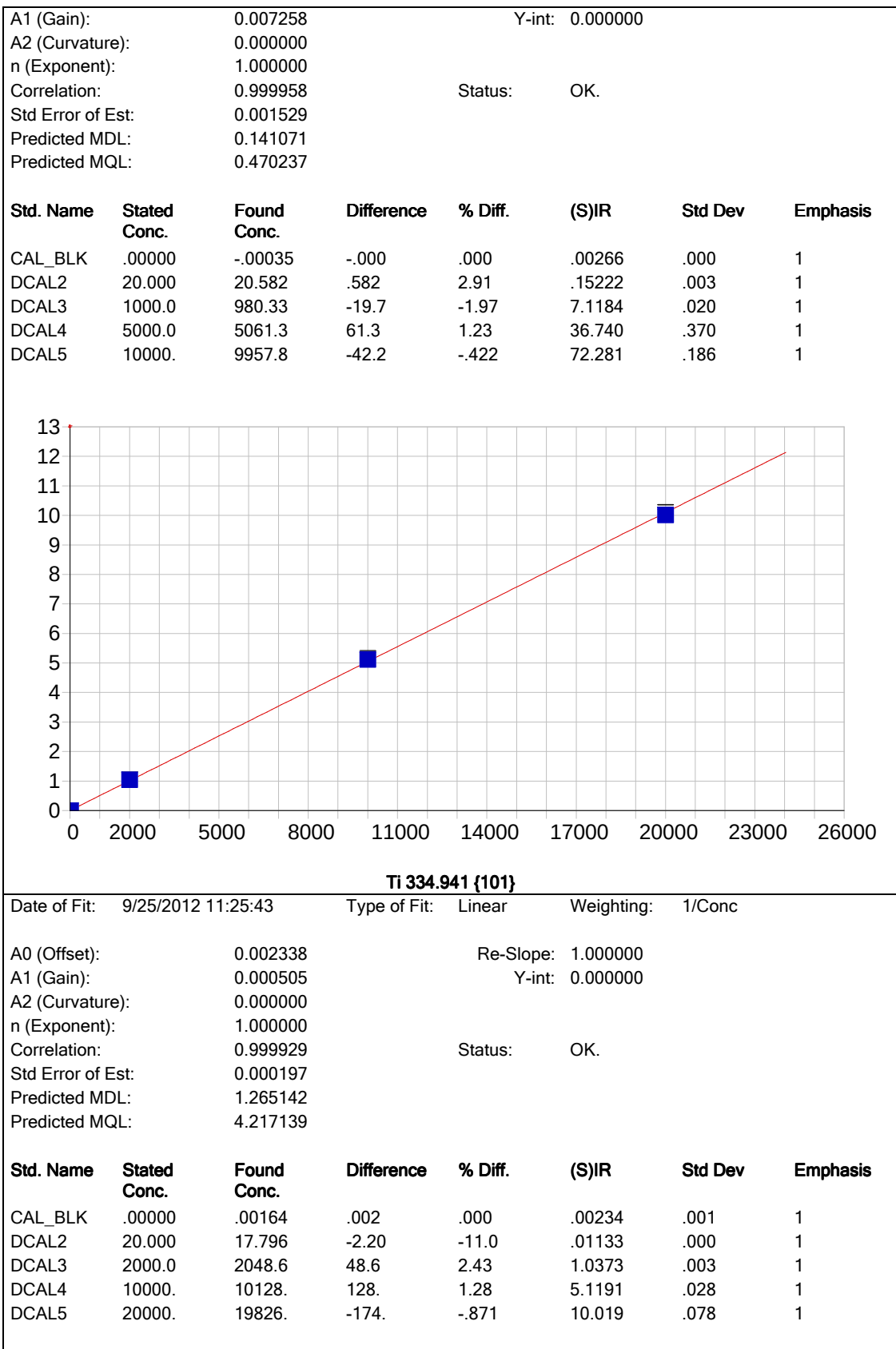


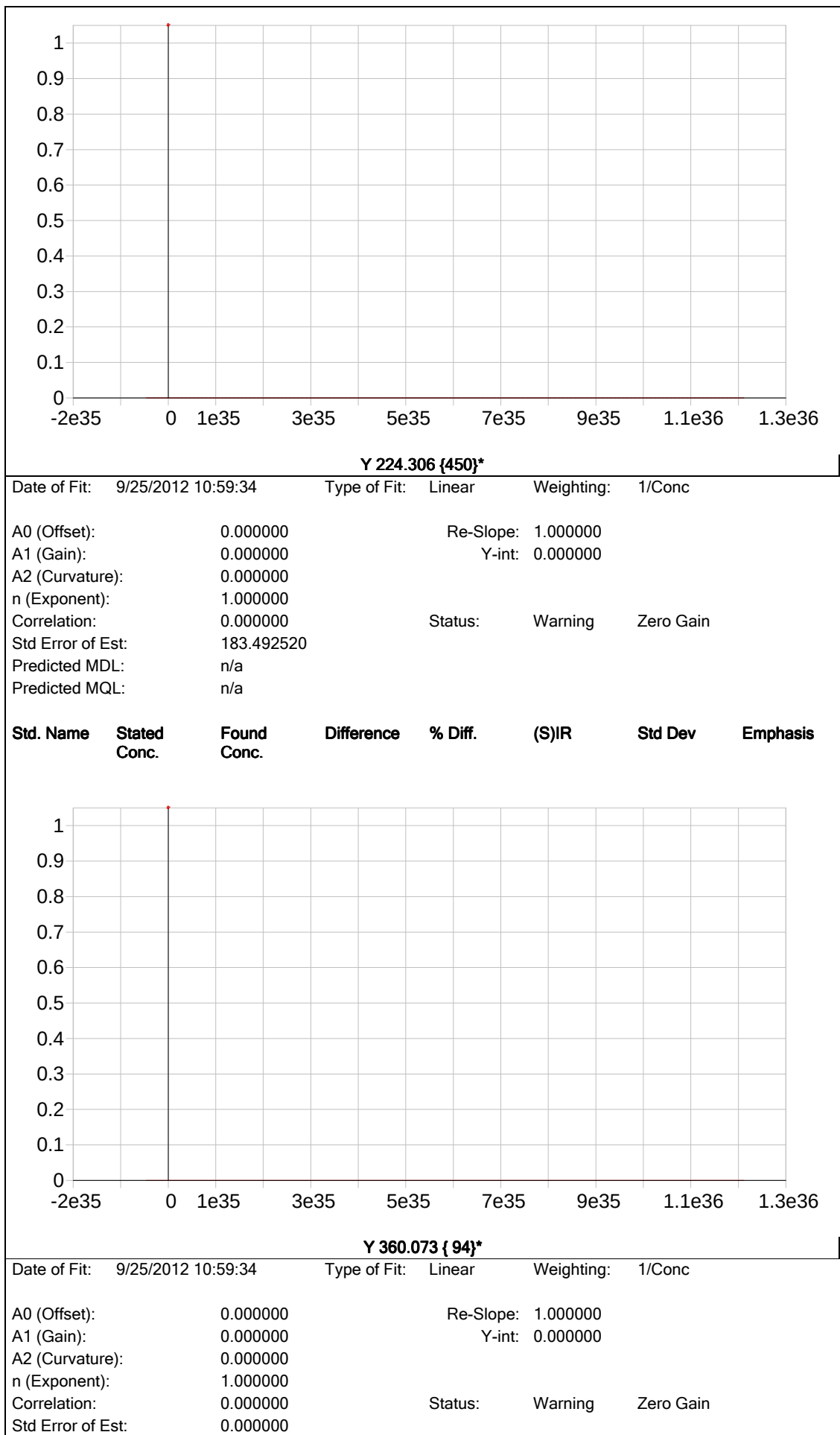
B 208.959 {461}

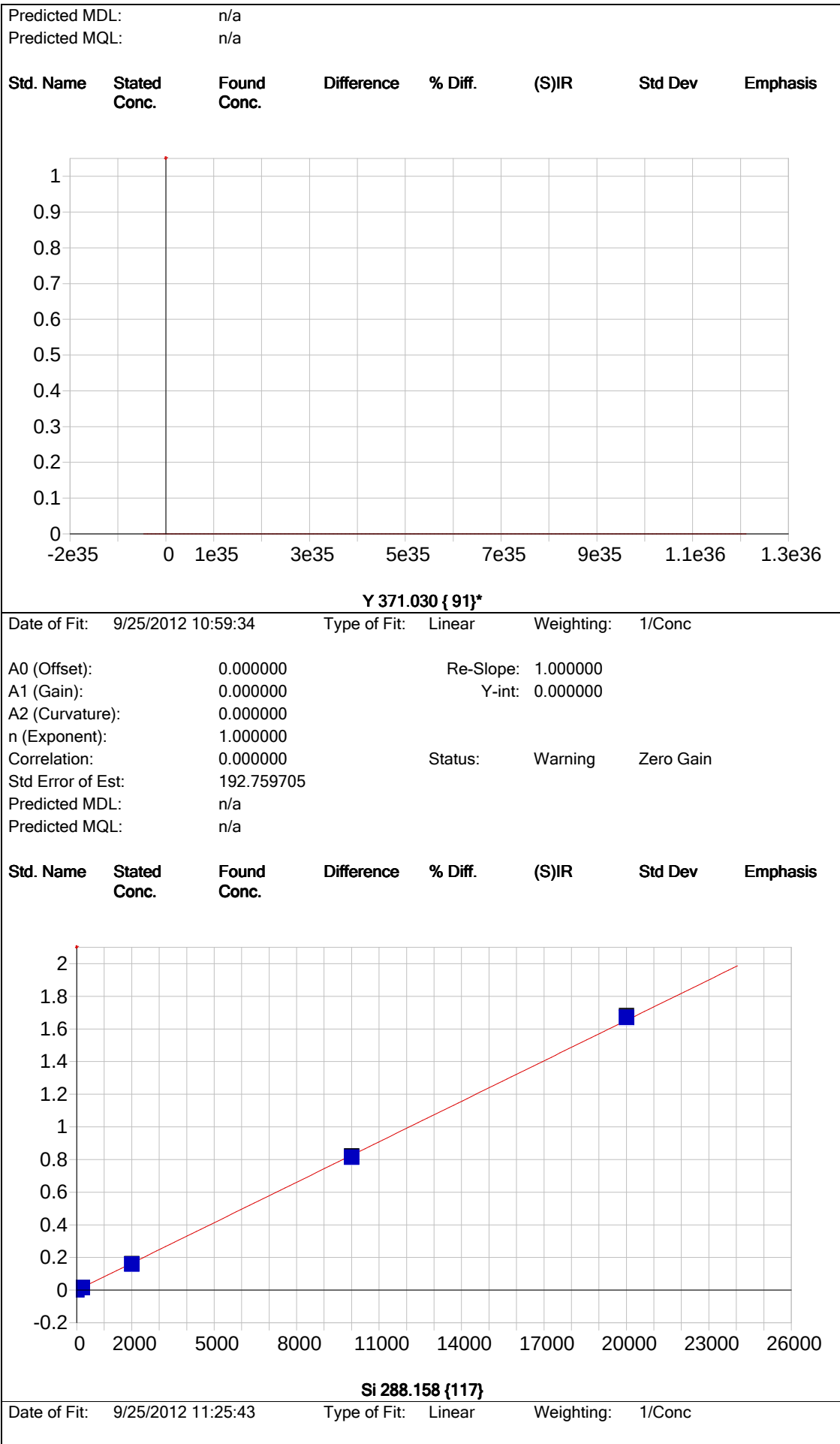
Date of Fit: 9/25/2012 11:25:43 Type of Fit: Linear Weighting: 1/Conc











A0 (Offset):	-0.000317	Re-Slope:	1.000000
A1 (Gain):	0.000083	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999878	Status:	OK.
Std Error of Est:	0.000133		
Predicted MDL:	14.678700		
Predicted MQL:	48.928999		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.01619	.016	.000	-.00032	.001	1
DCAL2	200.00	192.00	-8.00	-4.00	.01554	.001	1
DCAL3	2000.0	1923.9	-76.1	-3.80	.15804	.001	1
DCAL4	10000.	9857.9	-142.	-1.42	.81117	.006	1
DCAL5	20000.	20226.	226.	1.13	1.6648	.009	1

Sample Name: mb 460-129163/1-a@2 Acquired: 9/25/2012 16:02:33 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.074	-.7593	.7406	-.0261	.0644	55.49
Stddev	12.23	.2869	.6113	.3094	.0169	3.16
%RSD	589.7	37.79	82.54	1188.	26.16	5.702
#1	-16.18	-.9051	.0348	-.3803	.0450	57.41
#2	5.509	-.4288	1.091	.1915	.0751	57.22
#3	4.450	-.9440	1.096	.1106	.0731	51.84

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0859	-.1075	.6116	1.052	.5230	-147.6
Stddev	.0629	.1017	.4718	3.206	3.250	20.2
%RSD	73.25	94.69	77.13	304.8	621.4	13.67
#1	-.1389	-.0349	.1486	-2.592	4.065	-156.0
#2	-.0164	-.2238	.5946	3.440	-.1760	-124.6
#3	-.1025	-.0637	1.092	2.307	-2.320	-162.2

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	-.7890	-.0071	164.4	-.7476	.4337	-1.093
Stddev	2.566	.0088	12.1	.6538	.0379	1.092
%RSD	325.3	124.5	7.351	87.45	8.748	99.93
#1	2.074	-.0172	162.3	-1.178	.4066	.0954
#2	-1.559	-.0026	177.4	.0048	.4175	-2.052
#3	-2.882	-.0014	153.5	-1.070	.4771	-1.321

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-129163/1-a@2 Acquired: 9/25/2012 16:02:33 Type: QC
Method: SW846_092412(v2) 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	- .8084	-1.433	- .1436	1.123	8.222	- .1260
Stddev	2.813	1.615	.1192	.110	.406	.0358
%RSD	347.9	112.8	83.01	9.784	4.934	28.39
#1	-3.286	-2.731	-.0289	1.249	8.675	-.0919
#2	-1.389	.3764	-.2668	1.044	7.892	-.1633
#3	2.249	-1.943	-.1351	1.077	8.099	-.1228

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	- .2763	.5204	- .1204	8.546
Stddev	.8328	.2331	.2735	7.503
%RSD	301.4	44.79	227.1	87.79
#1	.4347	.2521	.1824	9.483
#2	-.0710	.6356	-.3494	.6193
#3	-1.192	.6734	-.1943	15.54

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	2804.0	47416.	6898.2
Stddev	15.2	346.	19.6
%RSD	.54196	.73053	.28481
#1	2789.6	47581.	6912.7
#2	2819.9	47648.	6875.8
#3	2802.5	47018.	6906.0

Sample Name: 460-44985-a-2-a@4 Acquired: 9/25/2012 16:35:45 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37610.	11.76	.4775	284.1	3.044	13170.
Stddev	91.	1.78	.3085	.3	.016	188.
%RSD	.2433	15.11	64.62	.1152	.5369	1.426

#1	37670.	9.710	.2946	284.2	3.058	13090.
#2	37500.	12.69	.8337	283.7	3.048	13030.
#3	37650.	12.88	.3041	284.3	3.026	13380.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.076	35.32	72.85	236.5	56450.	4035.
Stddev	.082	.23	.69	2.5	246.	48.
%RSD	1.616	.6416	.9443	1.051	.4352	1.191

#1	4.991	35.12	72.16	237.9	56240.	4066.
#2	5.082	35.28	73.54	233.7	56720.	3980.
#3	5.155	35.57	72.84	238.1	56380.	4059.

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	15700.	1119.	954.0	70.68	221.0	-1.940
Stddev	53.	5.	22.2	.29	1.4	1.693
%RSD	.3380	.4118	2.323	.4088	.6431	87.25

#1	15640.	1114.	958.3	70.47	219.5	-1.106
#2	15750.	1123.	973.7	70.55	221.4	-3.888
#3	15700.	1121.	930.0	71.01	222.3	-.8263

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44985-a-2-a@4 Acquired: 9/25/2012 16:35:45 Type: Unk
Method: SW846_092412(v2) 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	-0.0628	-3.248	90.63	283.7	10.35	1.271
Stddev	3.860	1.445	.52	.7	.41	.122
%RSD	6144.	44.50	.5683	.2422	3.919	9.583
#1	-0.7504	-3.532	90.07	283.9	10.78	1.353
#2	-3.533	-4.530	91.09	283.0	10.30	1.131
#3	4.095	-1.681	90.74	284.3	9.969	1.329

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	32.86	58.55	1373.	886.2
Stddev	.22	.18	8.	14.3
%RSD	.6838	.3107	.5514	1.612
#1	33.08	58.73	1374.	882.4
#2	32.88	58.36	1365.	874.2
#3	32.63	58.57	1380.	902.0

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	2974.2	49689.	7396.1
Stddev	18.8	259.	50.0
%RSD	.63286	.52094	.67545
#1	2976.7	49964.	7339.0
#2	2991.6	49450.	7417.8
#3	2954.2	49654.	7431.6

Sample Name: lcssrm 460-129163/2- Acquired: 9/25/2012 16:06:52 Type: QC

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30810.	801.5	208.0	1038.	555.9	32050.
Stddev	134.	3.9	2.3	4.	1.9	174.
%RSD	.4333	.4904	1.103	.3549	.3473	.5432

#1	30960.	798.2	206.4	1034.	557.8	32090.
#2	30720.	800.5	210.6	1039.	554.0	31860.
#3	30750.	805.9	207.0	1041.	556.0	32200.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	530.6	689.7	599.2	608.4	58910.	13810.
Stddev	1.8	1.9	5.8	5.8	606.	37.
%RSD	.3413	.2750	.9596	.9491	1.028	.2649

#1	528.8	687.7	595.6	605.3	58500.	13850.
#2	530.7	690.1	605.8	615.1	59610.	13800.
#3	532.4	691.4	596.1	604.9	58630.	13770.

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	12390.	1754.	1861.	373.8	395.7	1043.
Stddev	124.	19.	23.	.4	3.1	5.
%RSD	1.004	1.072	1.245	.1131	.7765	.4638

#1	12300.	1742.	1877.	373.4	394.0	1038.
#2	12530.	1776.	1871.	373.7	393.8	1046.
#3	12350.	1745.	1834.	374.3	399.2	1046.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-129163/2- Acquired: 9/25/2012 16:06:52 Type: QC

Method: SW846_092412(v2) 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	602.0	1155.	426.5	1369.	423.7	352.3
Stddev	5.0	3.	4.5	6.	1.5	.3
%RSD	.8276	.2805	1.064	.4184	.3550	.0933

#1	596.6	1152.	423.4	1364.	422.5	351.9
#2	606.3	1158.	431.7	1369.	423.1	352.4
#3	603.2	1155.	424.5	1375.	425.4	352.5

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	754.4	670.4	846.5	2023.
Stddev	.9	2.1	4.1	31.
%RSD	.1225	.3130	.4863	1.543

#1	753.3	672.6	849.5	2034.
#2	754.7	668.4	841.8	1988.
#3	755.1	670.3	848.2	2047.

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	2977.3	48672.	7409.5
Stddev	25.0	450.	12.9
%RSD	.83967	.92476	.17427

#1	2995.5	49191.	7420.1
#2	2987.7	48388.	7413.4
#3	2948.8	48436.	7395.1

Sample Name: CCV Acquired: 9/25/2012 17:47:16 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125300.	2502.	1245.	10100.	1006.	118700.
Stddev	955.	4.	15.	13.	8.	713.
%RSD	.7619	.1499	1.214	.1304	.7887	.6010

#1	125100.	2500.	1262.	10080.	1005.	117900.
#2	126300.	2500.	1234.	10100.	1015.	118800.
#3	124400.	2506.	1238.	10110.	999.0	119300.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1265.	2532.	5066.	12550.	101100.	50580.
Stddev	1.	3.	76.	99.	1477.	169.
%RSD	.0973	.1215	1.502	.7860	1.460	.3339

#1	1264.	2531.	5154.	12520.	102800.	50650.
#2	1266.	2536.	5020.	12670.	100300.	50710.
#3	1267.	2530.	5024.	12480.	100200.	50390.

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	127300.	5101.	127900.	2530.	7652.	1003.
Stddev	1962.	68.	754.	3.	24.	5.
%RSD	1.541	1.333	.5894	.1330	.3170	.4767

#1	129600.	5180.	127200.	2527.	7630.	998.7
#2	126200.	5058.	128700.	2534.	7647.	1008.
#3	126200.	5065.	127800.	2530.	7678.	1002.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/25/2012 17:47:16 Type: QC
Method: SW846_092412(v2) 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	2453.	2558.	2478.	2512.	991.1	2511.
Stddev	12.	12.	30.	3.	5.3	6.
%RSD	.4826	.4659	1.206	.1242	.5385	.2281

#1	2441.	2551.	2512.	2510.	986.0	2505.
#2	2453.	2552.	2456.	2516.	990.7	2517.
#3	2465.	2572.	2466.	2510.	996.6	2512.

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	1010.	5143.	10120.	9522.
Stddev	4.	123.	68.	99.
%RSD	.3827	2.390	.6713	1.043

#1	1009.	5001.	10100.	9510.
#2	1015.	5212.	10200.	9627.
#3	1007.	5215.	10070.	9429.

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	2546.0	41944.	6675.2
Stddev	3.4	817.	20.0
%RSD	.13284	1.9474	.30025

#1	2545.0	41002.	6673.9
#2	2543.2	42365.	6695.8
#3	2549.7	42464.	6655.8

Sample Name: 460-44990-a-1-b du@4 Acquired: 9/25/2012 16:10:50 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4353.	10.34	.6485	25.00	.4781	104.2
Stddev	35.	.65	.9768	.31	.1164	6.5
%RSD	.7947	6.298	150.6	1.231	24.36	6.199

#1	4328.	9.825	1.724	24.81	.3436	107.2
#2	4393.	11.08	.4037	25.36	.5451	108.5
#3	4340.	10.13	-.1827	24.84	.5455	96.74

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0132	.6550	21.08	6.932	14310.	1027.
Stddev	.0527	.1668	.49	2.070	76.	29.
%RSD	399.7	25.47	2.330	29.86	.5306	2.821

#1	.0739	.6971	20.55	7.435	14250.	1040.
#2	-.0153	.4712	21.51	4.657	14400.	993.3
#3	-.0191	.7968	21.19	8.704	14290.	1046.

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	315.1	62.44	141.9	.6473	10.06	2.707
Stddev	2.8	.24	21.4	.4161	.45	2.650
%RSD	.8820	.3881	15.08	64.29	4.500	97.90

#1	318.3	62.32	162.4	.1674	10.56	.3021
#2	313.3	62.72	143.7	.9088	9.917	5.547
#3	313.7	62.28	119.7	.8655	9.688	2.270

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44990-a-1-b du@4 Acquired: 9/25/2012 16:10:50 Type: Unk
Method: SW846_092412(v2) 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	-2.603	-.1502	13.83	16.40	10.33	.7776
Stddev	1.242	1.903	.24	.17	1.28	.1908
%RSD	47.70	1268.	1.727	1.044	12.41	24.54
#1	-1.303	-.5710	13.62	16.48	11.80	.5820
#2	-2.728	-1.808	14.09	16.53	9.754	.7876
#3	-3.777	1.929	13.78	16.21	9.432	.9632

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	1.074	5.867	381.6	839.7
Stddev	.310	.069	2.6	7.6
%RSD	28.84	1.183	.6724	.9032
#1	1.374	5.821	382.5	833.8
#2	1.091	5.832	383.6	848.2
#3	.7559	5.946	378.7	836.9

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	2907.2	48914.	7177.7
Stddev	20.0	72.	31.5
%RSD	.68949	.14721	.43860
#1	2926.7	48996.	7188.5
#2	2908.1	48881.	7142.3
#3	2886.7	48863.	7202.5

Sample Name: 460-44990-a-1-a@4 Acquired: 9/25/2012 16:15:06 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4336.	10.35	-.0695	25.11	.4812	105.2
Stddev	67.	.77	.2054	.15	.0447	1.9
%RSD	1.535	7.407	295.3	.6107	9.289	1.797

#1	4395.	10.22	.1499	25.22	.4715	103.1
#2	4349.	11.18	-.2570	25.17	.4421	105.7
#3	4264.	9.661	-.1016	24.94	.5299	106.8

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0162	.5585	21.26	9.324	14550.	988.3
Stddev	.1930	.0785	.48	.470	323.	38.3
%RSD	1190.	14.06	2.266	5.042	2.223	3.876

#1	.2375	.5429	20.91	9.867	14440.	1032.
#2	-.0713	.6437	21.81	9.032	14920.	958.6
#3	-.1175	.4890	21.07	9.074	14300.	974.7

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	319.7	63.08	154.3	1.543	10.09	.2333
Stddev	5.3	1.27	5.2	.565	.45	3.005
%RSD	1.654	2.015	3.355	36.62	4.450	1288.

#1	318.6	62.76	152.1	2.179	10.53	-3.034
#2	325.4	64.48	150.6	1.352	9.630	2.878
#3	315.0	62.00	160.2	1.099	10.10	.8554

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44990-a-1-a@4 Acquired: 9/25/2012 16:15:06 Type: Unk
Method: SW846_092412(v2) 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	-1.8892	-2.421	13.83	16.24	9.758	.6006
Stddev	1.049	2.030	.57	.33	.613	.3712
%RSD	118.0	83.86	4.149	2.062	6.280	61.81
#1	-1.877	-5.020	14.30	16.39	9.637	1.008
#2	-1.004	-4.546	13.99	16.47	9.214	.2814
#3	.2129	-2.214	13.19	15.86	10.42	.5124

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	1.432	5.782	377.6	849.7
Stddev	.435	.203	9.3	11.8
%RSD	30.34	3.505	2.450	1.382
#1	1.901	5.976	386.3	851.0
#2	1.043	5.797	378.7	837.3
#3	1.353	5.571	367.9	860.7

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	2888.4	48326.	7152.1
Stddev	6.0	908.	171.0
%RSD	.20919	1.8788	2.3914
#1	2891.5	48689.	6991.2
#2	2892.3	47293.	7133.4
#3	2881.4	48997.	7331.8

Sample Name: sd 460-44990-a-1-a@2 Acquired: 9/25/2012 16:19:21 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	859.0	1.829	.5561	5.090	.0901	21.39
Stddev	18.2	.279	.7904	.363	.1459	4.21
%RSD	2.118	15.26	142.1	7.132	161.9	19.70

#1	849.9	2.134	-.1176	5.331	.0774	16.94
#2	847.1	1.766	.3596	5.266	.2420	25.32
#3	879.9	1.587	1.426	4.672	-.0490	21.90

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1416	.1128	4.914	.3397	2884.	63.07
Stddev	.0982	.0713	.551	2.740	11.	62.62
%RSD	69.38	63.20	11.22	806.7	.3786	99.29

#1	-.0284	.1361	4.966	-2.147	2896.	-8.531
#2	-.1911	.0328	4.338	-.1119	2877.	107.6
#3	-.2052	.1696	5.437	3.277	2877.	90.13

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	63.97	12.39	116.1	-.0443	2.427	-.7041
Stddev	3.91	.11	24.6	.5926	.650	1.614
%RSD	6.107	.9140	21.21	1337.	26.77	229.2

#1	60.12	12.51	108.9	-.7246	3.054	.4604
#2	67.93	12.28	143.5	.2314	2.470	-.0263
#3	63.88	12.37	95.83	.3601	1.756	-2.546

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-44990-a-1-a@2 Acquired: 9/25/2012 16:19:21 Type: Unk
Method: SW846_092412(v2) 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	-.5030	-.8768	2.594	4.185	3.869	.0475
Stddev	.8512	.3766	.216	.111	.326	.1952
%RSD	169.2	42.95	8.323	2.652	8.414	410.6
#1	-.6253	-.7764	2.712	4.184	3.741	.0729
#2	.4028	-.5607	2.724	4.296	3.626	.2289
#3	-1.286	-1.293	2.344	4.074	4.239	-.1591

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	-.5674	1.316	74.96	162.7
Stddev	.3876	.155	.29	5.0
%RSD	68.31	11.78	.3881	3.057
#1	-.6348	1.138	74.92	165.1
#2	-.1505	1.418	74.70	156.9
#3	-.9168	1.394	75.28	166.0

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	2856.5	47751.	6961.7
Stddev	10.4	61.	18.8
%RSD	.36309	.12770	.26958
#1	2848.2	47692.	6979.0
#2	2853.1	47747.	6941.8
#3	2868.1	47814.	6964.3

Sample Name: 460-44990-a-1-c ms@4 Acquired: 9/25/2012 16:23:40 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17350.	886.9	22.68	1002.	24.47	8706.
Stddev	111.	3.7	.97	4.	.19	19.
%RSD	.6402	.4123	4.284	.4262	.7606	.2201
#1	17280.	891.1	21.85	1006.	24.26	8728.
#2	17290.	884.6	23.75	998.3	24.59	8697.
#3	17480.	885.1	22.44	1000.	24.56	8693.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.52	238.8	121.6	128.2	17880.	10930.
Stddev	.22	.9	.9	3.1	57.	72.
%RSD	.9373	.3631	.7787	2.381	.3189	.6629
#1	23.71	239.7	120.5	130.9	17840.	10880.
#2	23.28	238.0	122.3	124.9	17950.	10900.
#3	23.57	238.6	122.1	128.9	17860.	11010.

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	10050.	308.7	10140.	243.4	258.8	149.2
Stddev	18.	.8	78.	1.8	2.6	.8
%RSD	.1742	.2590	.7730	.7256	1.021	.5387
#1	10040.	308.1	10090.	245.3	261.8	149.0
#2	10080.	309.6	10110.	242.9	257.5	150.0
#3	10040.	308.3	10230.	241.9	257.0	148.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44990-a-1-c ms@4 Acquired: 9/25/2012 16:23:40 Type: Unk
Method: SW846_092412(v2) 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	848.7	1024.	243.8	252.5	231.3	228.7
Stddev	3.1	4.	.4	1.4	1.2	.6
%RSD	.3617	.3468	.1506	.5602	.5159	.2468
#1	852.0	1027.	243.5	254.0	232.5	229.3
#2	848.2	1020.	244.2	251.2	230.1	228.2
#3	846.0	1024.	243.6	252.4	231.1	228.5

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	236.8	247.3	675.5	1735.
Stddev	2.3	1.5	5.1	14.
%RSD	.9661	.5977	.7522	.8293
#1	239.4	247.3	673.9	1746.
#2	235.9	245.8	671.3	1719.
#3	235.2	248.8	681.1	1740.

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	2881.5	47970.	7129.3
Stddev	15.0	102.	49.4
%RSD	.52038	.21321	.69312
#1	2870.6	47931.	7123.1
#2	2898.6	48087.	7181.6
#3	2875.4	47894.	7083.3

Sample Name: pds 460-44990-a-1-a@ Acquired: 9/25/2012 16:27:40 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6178.	1805.	44.41	1940.	48.06	17930.
Stddev	55.	2.	.73	5.	.43	151.
%RSD	.8939	.1253	1.647	.2658	.9042	.8409
#1	6172.	1803.	45.19	1934.	47.67	17820.
#2	6126.	1805.	44.29	1943.	47.99	18100.
#3	6236.	1807.	43.75	1943.	48.53	17870.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.06	475.1	206.9	242.4	15120.	20350.
Stddev	.06	1.1	1.7	6.6	136.	170.
%RSD	.1365	.2336	.8196	2.735	.8988	.8336
#1	47.05	473.9	208.8	235.3	15270.	20260.
#2	47.01	476.2	205.6	243.5	15060.	20240.
#3	47.13	475.1	206.2	248.4	15020.	20540.

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	19410.	536.6	20480.	478.6	495.0	435.9
Stddev	126.	4.0	162.	.6	2.3	5.6
%RSD	.6471	.7399	.7916	.1328	.4596	1.285
#1	19560.	541.0	20400.	477.9	497.1	442.2
#2	19310.	533.4	20370.	478.8	492.6	434.0
#3	19370.	535.4	20660.	479.0	495.2	431.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-44990-a-1-a@ Acquired: 9/25/2012 16:27:40 Type: Unk
Method: SW846_092412(v2) 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	1741.	2047.	467.5	480.3	469.6	455.1
Stddev	5.	6.	4.5	.6	2.0	.4
%RSD	.2691	.2825	.9714	.1168	.4266	.0789
#1	1736.	2044.	471.9	479.7	467.2	454.7
#2	1742.	2044.	462.8	480.8	470.7	455.4
#3	1745.	2054.	467.8	480.4	470.8	455.3

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	483.9	475.3	859.4	911.4
Stddev	.8	5.4	10.7	13.1
%RSD	.1647	1.129	1.241	1.440
#1	484.8	472.0	855.9	897.7
#2	483.2	472.5	851.0	912.6
#3	483.7	481.5	871.4	923.9

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	2788.0	46557.	6941.9
Stddev	9.7	22.	30.5
%RSD	.34963	.04829	.43931
#1	2798.9	46576.	6960.5
#2	2784.7	46562.	6958.5
#3	2780.2	46532.	6906.7

Sample Name: 460-45007-a-1-c@4 Acquired: 9/25/2012 16:31:38 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26960.	238.1	8.100	226.1	3.667	17780.
Stddev	166.	1.2	1.070	.4	.040	68.
%RSD	.6170	.5129	13.21	.1733	1.077	.3802
#1	26780.	236.7	8.582	226.5	3.711	17700.
#2	27100.	238.9	8.844	225.7	3.654	17820.
#3	27000.	238.8	6.875	226.1	3.635	17810.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.041	19.58	318.0	455.8	156000.	8702.
Stddev	.152	.24	1.6	3.6	555.	74.
%RSD	5.009	1.207	.4965	.7834	.3559	.8554
#1	3.204	19.83	318.5	452.2	156000.	8636.
#2	3.016	19.36	316.2	459.4	155500.	8783.
#3	2.902	19.54	319.2	456.0	156600.	8687.

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	11010.	925.9	377.8	77.17	377.1	.5406
Stddev	39.	2.9	32.0	.37	1.5	1.686
%RSD	.3551	.3144	8.473	.4741	.3959	311.9
#1	11010.	925.0	374.0	76.95	375.5	.6480
#2	10960.	923.5	347.9	76.97	377.4	2.171
#3	11040.	929.1	411.6	77.59	378.4	-1.197

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-45007-a-1-c@4 Acquired: 9/25/2012 16:31:38 Type: Unk
Method: SW846_092412(v2) 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	-0.0317	-5.690	111.0	613.2	58.57	5.893
Stddev	.4195	.817	1.1	.6	.69	.205
%RSD	1324.	14.35	1.006	.1038	1.171	3.480
#1	-0.0215	-5.638	111.6	614.0	59.01	5.668
#2	-0.4561	-6.531	109.8	612.7	58.93	6.070
#3	.3827	-4.900	111.8	613.0	57.78	5.942

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	41.17	63.30	547.0	917.4
Stddev	.71	.47	3.4	9.7
%RSD	1.724	.7450	.6250	1.062
#1	41.94	62.82	543.1	915.6
#2	41.05	63.76	548.9	908.7
#3	40.53	63.32	549.2	927.9

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	2803.2	46672.	7021.0
Stddev	10.6	244.	6.1
%RSD	.37714	.52384	.08699
#1	2809.1	46441.	7021.9
#2	2809.5	46928.	7014.5
#3	2791.0	46648.	7026.6

Sample Name: 460-44990-a-2-a@4 Acquired: 9/25/2012 16:39:52 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8563.	35.72	-1.1512	39.70	1.033	703.4
Stddev	51.	.62	.2881	.24	.063	1.7
%RSD	.5899	1.744	190.5	.6066	6.127	.2441

#1	8600.	36.44	-1.1118	39.71	1.105	702.0
#2	8505.	35.32	-4.570	39.94	.9877	702.9
#3	8583.	35.40	.1151	39.46	1.006	705.3

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9051	1.878	95.50	21.54	70240.	1706.
Stddev	.0554	.269	.74	3.78	340.	86.
%RSD	6.124	14.30	.7751	17.55	.4846	5.026

#1	.8412	1.620	95.74	17.21	70220.	1675.
#2	.9393	2.157	94.67	23.25	69910.	1802.
#3	.9348	1.858	96.10	24.16	70590.	1639.

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	557.8	79.84	81.58	5.212	74.20	-1.402
Stddev	7.2	.33	29.83	.875	.86	.883
%RSD	1.296	.4092	36.57	16.79	1.162	62.98

#1	549.6	79.91	115.7	5.066	75.19	-2.216
#2	563.4	79.49	60.26	6.151	73.62	-4.628
#3	560.4	80.13	68.81	4.420	73.79	-1.528

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44990-a-2-a@4 Acquired: 9/25/2012 16:39:52 Type: Unk
Method: SW846_092412(v2) 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	.3443	-2.904	72.22	100.5	11.95	.8141
Stddev	2.998	2.255	.31	1.4	1.00	.1261
%RSD	870.7	77.65	.4321	1.370	8.361	15.49
#1	-1.768	-3.464	72.58	100.9	13.06	.9534
#2	-.9745	-4.827	72.04	101.6	11.11	.7810
#3	3.775	-.4221	72.03	98.96	11.68	.7078

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	2.390	12.05	581.0	816.5
Stddev	.287	.11	.3	15.9
%RSD	12.03	.9345	.0495	1.946
#1	2.619	12.18	581.0	800.4
#2	2.483	11.98	580.8	832.1
#3	2.067	11.98	581.4	817.0

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	2892.9	48536.	7068.6
Stddev	17.3	188.	59.6
%RSD	.59740	.38636	.84367
#1	2909.7	48333.	7021.5
#2	2875.2	48704.	7135.6
#3	2894.0	48570.	7048.7

Sample Name: CCV Acquired: 9/25/2012 16:44:07 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124200.	2484.	1231.	10050.	998.4	118400.
Stddev	520.	18.	5.	83.	5.6	532.
%RSD	.4186	.7321	.3912	.8214	.5615	.4492

#1	123600.	2482.	1230.	10070.	992.3	118700.
#2	124500.	2503.	1236.	10120.	999.7	118800.
#3	124500.	2466.	1226.	9962.	1003.	117800.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1260.	2519.	4990.	12450.	99710.	50510.
Stddev	10.	24.	33.	48.	563.	44.
%RSD	.8203	.9606	.6631	.3823	.5642	.0865

#1	1263.	2525.	4993.	12400.	99740.	50520.
#2	1269.	2539.	5021.	12480.	100300.	50460.
#3	1248.	2492.	4955.	12480.	99130.	50550.

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	125800.	5041.	128000.	2528.	7649.	999.9
Stddev	789.	28.	839.	22.	53.	7.0
%RSD	.6272	.5488	.6557	.8592	.6920	.7036

#1	125600.	5037.	127000.	2532.	7655.	1001.
#2	126600.	5070.	128100.	2547.	7698.	1006.
#3	125100.	5015.	128700.	2504.	7593.	992.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/25/2012 16:44:07 Type: QC
Method: SW846_092412(v2) 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	2437.	2559.	2452.	2503.	986.6	2505.
Stddev	16.	16.	9.	22.	4.4	23.
%RSD	.6568	.6421	.3819	.8839	.4481	.9261

#1	2436.	2562.	2450.	2510.	986.8	2512.
#2	2453.	2573.	2463.	2520.	990.9	2525.
#3	2421.	2541.	2444.	2478.	982.1	2480.

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	1010.	5039.	10070.	9466.
Stddev	12.	18.	51.	41.
%RSD	1.188	.3505	.5018	.4318

#1	1014.	5019.	10020.	9462.
#2	1019.	5045.	10090.	9509.
#3	996.3	5053.	10120.	9427.

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	2541.6	42374.	6645.4
Stddev	2.9	437.	51.6
%RSD	.11238	1.0311	.77617

#1	2539.7	42669.	6681.8
#2	2540.2	41872.	6668.1
#3	2544.9	42581.	6586.4

Sample Name: CCB Acquired: 9/25/2012 16:48:10 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-29.98	1.611	.2810	.0464	.1606	4.218
Stddev	18.84	1.778	.1325	.2981	.1010	4.528
%RSD	62.84	110.4	47.14	643.0	62.91	107.3

#1	-18.89	.1991	.3128	.3290	.2259	8.992
#2	-19.32	1.026	.1355	.0750	.0442	-.0146
#3	-51.73	3.608	.3946	-.2650	.2116	3.676

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1588	.1027	.4730	4.595	-7.664	-60.25
Stddev	.2021	.0833	.1807	.200	6.375	46.91
%RSD	127.3	81.15	38.21	4.357	83.18	77.85

#1	.0180	.1364	.2646	4.379	-4.985	-20.20
#2	-.3791	.0078	.5868	4.631	-14.94	-48.70
#3	-.1153	.1638	.5677	4.774	-3.066	-111.9

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	1.180	.1255	117.0	-.5236	-.8598	.2473
Stddev	6.787	.1539	31.6	.7936	.3443	2.581
%RSD	575.4	122.7	27.05	151.6	40.04	1043.

#1	8.861	.2833	151.0	-.2806	-.6808	2.353
#2	-1.315	.1174	88.37	.1201	-1.257	1.021
#3	-4.008	-.0242	111.7	-1.410	-.6420	-2.632

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/25/2012 16:48:10 Type: QC
Method: SW846_092412(v2) 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	-.2956	.2605	.3577	.2658	2.255	.8153
Stddev	1.418	3.283	.5962	.0966	.876	.5166
%RSD	479.6	1261.	166.7	36.35	38.87	63.36
#1	-1.376	-2.128	1.045	.3772	3.220	1.404
#2	1.310	4.004	.0483	.2052	1.509	.6068
#3	-.8202	-1.095	-.0202	.2149	2.036	.4356

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	-.1612	.3001	-1.473	3.924
Stddev	.5120	.4500	1.497	13.31
%RSD	317.5	149.9	101.6	339.1
#1	.3974	.7992	.2476	-8.461
#2	-.2729	-.0748	-2.477	2.244
#3	-.6082	.1760	-2.190	17.99

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	2790.4	47239.	6803.8
Stddev	8.9	204.	10.1
%RSD	.32073	.43078	.14844
#1	2798.4	47099.	6811.4
#2	2780.7	47473.	6792.4
#3	2791.9	47146.	6807.8

Sample Name: 460-44990-a-3-a@4 Acquired: 9/25/2012 16:52:30 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6745.	30.73	-3409	29.92	.7242	453.5
Stddev	30.	.70	1.056	.40	.0944	11.3
%RSD	.4429	2.266	309.7	1.326	13.04	2.490

#1	6775.	30.36	-1.557	30.28	.6291	441.9
#2	6745.	31.53	.3412	29.99	.7254	464.5
#3	6715.	30.29	.1929	29.49	.8180	454.1

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7173	.6099	53.16	18.83	79560.	1364.
Stddev	.0785	.2175	1.01	3.53	848.	44.
%RSD	10.94	35.66	1.898	18.75	1.066	3.214

#1	.7458	.5193	53.14	22.39	80100.	1391.
#2	.7775	.8580	54.17	15.33	80000.	1313.
#3	.6285	.4523	52.15	18.76	78580.	1387.

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	372.6	37.14	67.88	1.417	52.94	-1.400
Stddev	5.3	.30	24.99	.554	1.33	2.333
%RSD	1.418	.8139	36.81	39.11	2.507	166.6

#1	377.4	37.38	48.29	.8878	52.63	.4358
#2	373.5	37.25	59.32	1.994	54.40	-4.025
#3	366.9	36.80	96.02	1.370	51.80	-.6110

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44990-a-3-a@4 Acquired: 9/25/2012 16:52:30 Type: Unk
Method: SW846_092412(v2) 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	-1.272	-2.487	175.4	37.10	10.55	1.180
Stddev	1.787	3.326	1.8	.33	.58	.242
%RSD	140.5	133.7	1.020	.8771	5.451	20.51
#1	.3283	.7483	176.3	37.28	10.45	1.307
#2	-.9430	-5.897	176.6	37.29	11.17	1.332
#3	-3.200	-2.312	173.4	36.72	10.04	.9009

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	1.857	9.816	530.3	841.8
Stddev	.620	.218	1.5	20.5
%RSD	33.37	2.219	.2904	2.442
#1	2.404	9.853	531.3	818.8
#2	1.982	10.01	531.2	848.6
#3	1.184	9.582	528.5	858.2

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	2838.9	47705.	7001.6
Stddev	7.0	419.	86.1
%RSD	.24609	.87930	1.2302
#1	2831.1	47281.	6938.6
#2	2844.6	47715.	6966.4
#3	2841.1	48120.	7099.7

Sample Name: 460-44990-a-4-e@4 Acquired: 9/25/2012 16:56:43 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3231.	9.406	.4159	14.24	.2560	120.0
Stddev	25.	1.758	.9509	.18	.0409	3.6
%RSD	.7858	18.69	228.6	1.288	15.97	3.016

#1	3219.	7.452	1.469	14.23	.2993	115.8
#2	3261.	10.86	.1574	14.06	.2506	121.4
#3	3215.	9.906	-.3790	14.43	.2181	122.6

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0846	.6757	11.15	5.676	9765.	709.5
Stddev	.1726	.1925	.19	2.036	40.	33.5
%RSD	204.1	28.49	1.682	35.86	.4093	4.716

#1	-.1085	.4770	11.27	7.930	9735.	675.2
#2	.1381	.8612	10.93	3.972	9749.	742.1
#3	.2242	.6889	11.25	5.127	9811.	711.1

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	319.7	82.82	133.3	.9494	6.702	-1.393
Stddev	6.6	.29	11.2	.5345	.792	3.340
%RSD	2.068	.3463	8.389	56.30	11.82	239.8

#1	315.2	82.53	121.2	.6456	7.563	-2.093
#2	316.7	82.82	135.5	.6360	6.542	2.242
#3	327.3	83.11	143.3	1.567	6.002	-4.328

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44990-a-4-e@4 Acquired: 9/25/2012 16:56:43 Type: Unk
Method: SW846_092412(v2) 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	-4.309	-2.911	9.400	14.08	6.998	1.955
Stddev	4.505	1.977	.387	.15	.619	.234
%RSD	1045.	679.1	4.113	1.096	8.851	11.97
#1	-1.402	-1.703	8.958	14.23	7.706	2.175
#2	-4.371	-1.139	9.676	14.09	6.556	1.709
#3	4.480	1.968	9.565	13.93	6.732	1.981

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	1.345	4.822	238.8	726.2
Stddev	.563	.129	.8	16.2
%RSD	41.87	2.678	.3315	2.229
#1	1.919	4.720	238.6	710.9
#2	.7934	4.967	239.6	724.5
#3	1.323	4.780	238.1	743.2

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	2844.8	47721.	6905.1
Stddev	12.5	293.	64.4
%RSD	.43846	.61466	.93263
#1	2848.9	47482.	6895.3
#2	2854.7	48048.	6846.1
#3	2830.8	47633.	6973.8

Sample Name: 460-44990-a-5-a@4 Acquired: 9/25/2012 17:01:00 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6563.	25.58	-1.1890	38.96	.4295	738.3
Stddev	37.	1.49	.1121	.32	.0843	9.6
%RSD	.5605	5.840	59.33	.8295	19.62	1.299

#1	6560.	24.13	-.3111	39.29	.4821	727.7
#2	6527.	27.11	-.1649	38.94	.3323	740.9
#3	6601.	25.51	-.0908	38.64	.4741	746.4

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2909	.9062	39.53	22.29	20050.	1009.
Stddev	.0594	.1329	.61	2.47	53.	56.
%RSD	20.44	14.67	1.535	11.09	.2635	5.585

#1	.3410	1.033	38.93	24.29	20090.	994.0
#2	.3065	.7681	40.14	19.52	20080.	961.4
#3	.2252	.9170	39.51	23.05	19990.	1071.

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	324.0	42.32	117.2	2.715	43.00	.2704
Stddev	1.4	.01	28.1	.222	1.06	3.643
%RSD	.4363	.0273	24.00	8.168	2.471	1347.

#1	322.4	42.33	91.48	2.931	43.93	4.461
#2	324.7	42.32	147.3	2.488	43.23	-2.141
#3	324.9	42.31	113.0	2.725	41.84	-1.509

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44990-a-5-a@4 Acquired: 9/25/2012 17:01:00 Type: Unk
Method: SW846_092412(v2) 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	.4217	-.9791	51.09	18.75	6.490	.6365
Stddev	2.454	1.629	.77	.09	.504	.3900
%RSD	582.1	166.4	1.508	.4991	7.762	61.27
#1	-2.383	.6971	51.98	18.83	7.071	.7184
#2	2.175	-1.078	50.66	18.78	6.174	.9791
#3	1.474	-2.556	50.64	18.64	6.225	.2120

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	.8249	16.32	656.7	848.5
Stddev	.4819	.23	2.5	2.2
%RSD	58.41	1.427	.3860	.2552
#1	1.173	16.13	654.0	850.3
#2	1.026	16.25	657.1	846.1
#3	.2750	16.58	659.1	849.0

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	2803.8	47415.	6904.8
Stddev	16.2	82.	53.2
%RSD	.57870	.17391	.77065
#1	2816.6	47500.	6932.6
#2	2809.2	47410.	6938.4
#3	2785.5	47335.	6843.4

Sample Name: 460-44990-a-6-a@4 Acquired: 9/25/2012 17:05:16 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5537.	21.27	.4630	31.70	.3318	823.8
Stddev	21.	.70	.4813	.47	.1541	16.8
%RSD	.3769	3.299	104.0	1.489	46.45	2.040

#1	5519.	22.06	-.0070	31.91	.2633	805.2
#2	5532.	21.03	.4412	32.02	.5083	838.0
#3	5560.	20.72	.9548	31.16	.2239	828.1

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2807	.3718	27.94	15.81	19700.	836.6
Stddev	.0494	.1772	.24	.85	475.	35.6
%RSD	17.60	47.66	.8606	5.371	2.409	4.257

#1	.3167	.5251	28.22	16.78	20250.	852.3
#2	.2244	.4124	27.80	15.44	19450.	861.7
#3	.3011	.1778	27.81	15.22	19400.	795.9

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	217.5	26.90	109.5	1.514	34.88	.2393
Stddev	5.2	.63	41.2	.331	1.25	1.362
%RSD	2.406	2.350	37.64	21.89	3.599	569.0

#1	222.9	27.62	115.3	1.748	35.91	-.0279
#2	212.4	26.59	147.6	1.659	35.23	-.9689
#3	217.2	26.48	65.75	1.135	33.48	1.715

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44990-a-6-a@4 Acquired: 9/25/2012 17:05:16 Type: Unk
Method: SW846_092412(v2) 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	-1.273	-.5765	45.29	27.38	5.765	.4414
Stddev	4.301	.3080	.77	.30	.198	.1613
%RSD	338.0	53.41	1.696	1.087	3.435	36.55
#1	-3.044	-.4369	46.13	27.34	5.733	.5855
#2	-4.405	-.9296	44.62	27.70	5.585	.4716
#3	3.631	-.3631	45.12	27.11	5.978	.2671

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	.7178	14.72	508.1	624.1
Stddev	.3736	.21	2.2	17.1
%RSD	52.04	1.415	.4334	2.747
#1	.7749	14.64	506.0	619.5
#2	1.060	14.95	507.8	643.0
#3	.3190	14.56	510.4	609.6

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	2804.6	47181.	6858.9
Stddev	4.4	1075.	47.7
%RSD	.15610	2.2790	.69527
#1	2801.4	46063.	6804.9
#2	2802.8	47271.	6876.8
#3	2809.6	48208.	6895.1

Sample Name: 460-45003-a-1-a@4 Acquired: 9/25/2012 17:09:31 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36240.	49.69	-0.677	233.4	2.674	40510.
Stddev	332.	1.05	.6827	1.7	.164	200.
%RSD	.9153	2.121	1008.	.7284	6.115	.4935

#1	36590.	50.22	.6951	235.0	2.507	40480.
#2	36220.	48.47	-.2767	233.8	2.682	40330.
#3	35930.	50.37	-.6215	231.6	2.834	40730.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.151	24.99	64.94	362.4	80740.	5932.
Stddev	.075	.54	.33	7.3	316.	66.
%RSD	6.551	2.147	.5113	2.016	.3910	1.107

#1	1.102	24.81	65.31	368.6	80580.	6002.
#2	1.238	25.59	64.67	364.3	81110.	5872.
#3	1.114	24.57	64.83	354.3	80550.	5922.

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	23200.	780.6	2292.	46.41	280.9	-3.118
Stddev	69.	2.3	21.	.36	3.2	.676
%RSD	.2993	.2955	.9026	.7828	1.136	21.67

#1	23180.	778.8	2271.	46.83	284.2	-2.361
#2	23280.	783.2	2312.	46.21	280.7	-3.660
#3	23150.	779.9	2294.	46.19	277.9	-3.332

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-45003-a-1-a@4 Acquired: 9/25/2012 17:09:31 Type: Unk
Method: SW846_092412(v2) 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	-1.399	-2.534	126.5	356.8	21.15	.9109
Stddev	1.012	.830	.5	2.6	1.02	.3408
%RSD	72.38	32.76	.4061	.7210	4.803	37.41
#1	-5.220	-1.612	126.3	359.5	20.53	.8057
#2	-2.506	-2.766	127.0	356.6	20.60	.6352
#3	-1.167	-3.223	126.0	354.4	22.33	1.292

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	7.791	165.4	814.7	904.8
Stddev	.205	1.3	5.4	7.1
%RSD	2.632	.7993	.6603	.7812
#1	7.658	166.9	820.9	903.4
#2	8.027	165.1	812.2	898.5
#3	7.688	164.3	811.0	912.4

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	2809.2	46519.	7036.1
Stddev	12.4	268.	72.1
%RSD	.44297	.57571	1.0242
#1	2795.0	46412.	6960.0
#2	2814.0	46321.	7045.1
#3	2818.5	46824.	7103.2

Sample Name: 460-44407-d-20-a@4 Acquired: 9/25/2012 17:13:39 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	112500.	26.39	-1.236	235.4	11.46	4881.
Stddev	372.	.76	.749	1.1	.05	37.
%RSD	.3307	2.879	60.58	.4699	.4460	.7604

#1	112300.	26.27	-2.095	235.8	11.43	4844.
#2	112300.	27.20	-.8837	236.3	11.52	4879.
#3	112900.	25.69	-.7280	234.2	11.42	4919.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4864	38.09	185.4	116.0	114000.	4174.
Stddev	.2364	.28	.6	4.1	301.	28.
%RSD	48.61	.7313	.3121	3.547	.2636	.6808

#1	.5013	38.24	185.8	118.2	114200.	4175.
#2	.7150	38.25	185.7	111.2	114200.	4146.
#3	.2429	37.76	184.7	118.5	113700.	4203.

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	17600.	831.2	321.0	60.36	42.89	-3.098
Stddev	46.	2.3	13.7	1.00	.71	2.299
%RSD	.2585	.2797	4.274	1.650	1.663	74.21

#1	17620.	831.0	333.1	60.98	42.23	-3.635
#2	17630.	833.6	323.8	60.89	42.80	-.5781
#3	17550.	829.0	306.1	59.21	43.64	-5.081

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44407-d-20-a@4 Acquired: 9/25/2012 17:13:39 Type: Unk
Method: SW846_092412(v2) 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	-2.317	-7.581	197.7	302.2	6.684	5.260
Stddev	2.032	.881	.5	1.5	.154	.076
%RSD	87.70	11.62	.2632	.4930	2.302	1.448
#1	-4.662	-7.044	197.8	302.8	6.596	5.286
#2	-1.192	-7.101	198.1	303.3	6.595	5.320
#3	-1.096	-8.598	197.1	300.5	6.862	5.175

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	4.410	52.81	299.5	859.9
Stddev	.898	.15	1.0	4.1
%RSD	20.37	.2896	.3418	.4740
#1	5.332	52.73	298.3	855.7
#2	4.359	52.71	300.2	860.1
#3	3.538	52.99	300.0	863.9

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	3486.7	57001.	8659.7
Stddev	12.5	134.	55.7
%RSD	.35935	.23556	.64283
#1	3496.7	56928.	8600.8
#2	3490.9	56919.	8711.4
#3	3472.6	57156.	8666.9

Sample Name: 460-44982-a-1-a@4 Acquired: 9/25/2012 17:17:47 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43390.	25.17	4.427	425.4	2.758	39850.
Stddev	356.	1.51	1.189	1.6	.103	399.
%RSD	.8210	5.997	26.85	.3877	3.720	1.001

#1	42980.	25.90	3.106	424.9	2.641	39960.
#2	43650.	23.44	4.764	427.3	2.830	40190.
#3	43530.	26.18	5.412	424.1	2.805	39410.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.254	42.92	78.83	393.4	75710.	5021.
Stddev	.119	.28	.39	5.6	321.	7.
%RSD	1.637	.6583	.4980	1.420	.4240	.1354

#1	7.219	42.66	78.72	387.2	75420.	5013.
#2	7.386	43.22	78.50	398.0	75650.	5023.
#3	7.156	42.87	79.26	395.1	76050.	5027.

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	23080.	1463.	1094.	102.8	354.4	-1.035
Stddev	99.	4.	5.	1.2	1.2	1.969
%RSD	.4284	.2563	.4810	1.195	.3464	190.2

#1	22990.	1459.	1089.	103.3	353.0	1.235
#2	23070.	1463.	1099.	103.7	355.4	-2.282
#3	23190.	1467.	1096.	101.4	354.7	-2.059

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44982-a-1-a@4 Acquired: 9/25/2012 17:17:47 Type: Unk
Method: SW846_092412(v2) 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	.9403	-2.862	120.1	731.3	37.16	3.706
Stddev	.9216	1.722	.4	3.4	.88	.304
%RSD	98.01	60.15	.3393	.4615	2.374	8.202
#1	-0.0599	-4.255	120.1	729.7	36.83	3.365
#2	1.126	-3.394	120.6	735.2	36.49	3.948
#3	1.755	-.9371	119.8	729.0	38.16	3.804

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	22.01	203.8	1352.	1294.
Stddev	.62	1.6	8.	25.
%RSD	2.804	.7962	.6267	1.927
#1	22.68	202.0	1343.	1316.
#2	21.47	205.1	1359.	1300.
#3	21.88	204.3	1354.	1267.

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	2822.2	46842.	7048.2
Stddev	18.2	198.	28.5
%RSD	.64548	.42181	.40489
#1	2843.1	46841.	7035.7
#2	2809.5	47040.	7028.1
#3	2814.1	46645.	7080.9

Sample Name: 460-45027-a-1-a@4 Acquired: 9/25/2012 17:21:54 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	55180.	6.027	-6690	252.6	2.134	3895.
Stddev	254.	.905	.6107	.5	.035	16.
%RSD	.4597	15.02	91.30	.1809	1.643	.4075

#1	55020.	6.695	-1.374	252.4	2.173	3877.
#2	55040.	4.996	-.3081	253.1	2.106	3904.
#3	55470.	6.389	-.3246	252.2	2.122	3905.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.33	54.34	166.8	83.80	119700.	826.4
Stddev	.04	.56	1.8	5.07	1820.	45.8
%RSD	.2314	1.039	1.085	6.056	1.521	5.537

#1	19.34	54.49	167.5	85.38	120300.	774.1
#2	19.28	54.81	168.2	87.91	121100.	846.2
#3	19.36	53.71	164.8	78.13	117600.	859.0

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	10900.	1939.	268.4	57.26	25.41	-3.288
Stddev	152.	29.	26.8	1.22	.87	1.840
%RSD	1.399	1.512	9.984	2.129	3.414	55.96

#1	10950.	1949.	292.5	56.56	24.82	-5.355
#2	11020.	1961.	239.6	58.67	26.40	-2.679
#3	10730.	1905.	273.1	56.56	25.00	-1.830

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-45027-a-1-a@4 Acquired: 9/25/2012 17:21:54 Type: Unk
Method: SW846_092412(v2) 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	-3.122	-6.553	373.7	2890.	3.127	-.3759
Stddev	4.429	.346	5.6	2.	.745	.2617
%RSD	141.9	5.286	1.490	.0733	23.82	69.63
#1	-7.874	-6.910	375.2	2888.	2.311	-.1214
#2	.8905	-6.218	378.4	2892.	3.302	-.6443
#3	-2.383	-6.532	367.5	2891.	3.770	-.3620

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	-1.500	19.62	2489.	848.3
Stddev	.366	.09	13.	9.5
%RSD	24.38	.4451	.5260	1.120
#1	-1.888	19.67	2479.	837.5
#2	-1.448	19.52	2484.	851.8
#3	-1.162	19.66	2504.	855.5

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	2916.7	48965.	7294.0
Stddev	21.0	442.	36.7
%RSD	.72075	.90365	.50292
#1	2932.7	48787.	7306.5
#2	2924.4	48640.	7322.7
#3	2892.9	49469.	7252.6

Sample Name: 460-45027-a-2-a@4 Acquired: 9/25/2012 17:26:04 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41520.	3.949	.2841	209.1	1.376	6896.
Stddev	622.	.549	.6599	2.6	.066	50.
%RSD	1.498	13.91	232.3	1.229	4.792	.7220

#1	42210.	4.583	.8141	211.8	1.441	6944.
#2	41000.	3.603	.4934	208.6	1.380	6900.
#3	41360.	3.662	-.4550	206.8	1.309	6844.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.033	37.97	97.56	72.04	84700.	890.8
Stddev	.253	.52	.68	1.61	302.	28.3
%RSD	8.331	1.357	.6986	2.238	.3564	3.182

#1	3.318	38.41	97.14	70.37	84710.	910.3
#2	2.836	38.09	98.35	72.18	84990.	858.3
#3	2.945	37.40	97.19	73.58	84390.	903.7

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	9742.	1492.	403.1	48.62	1202.	-3.003
Stddev	25.	5.	21.3	.87	9.	1.177
%RSD	.2574	.3595	5.285	1.786	.7890	39.21

#1	9740.	1490.	386.6	49.48	1213.	-4.340
#2	9767.	1498.	427.1	48.64	1199.	-2.121
#3	9717.	1487.	395.5	47.74	1195.	-2.547

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-45027-a-2-a@4 Acquired: 9/25/2012 17:26:04 Type: Unk
Method: SW846_092412(v2) 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	-0.0452	-4.513	211.6	924.6	3.721	.3270
Stddev	1.498	3.476	.9	10.6	.508	.5210
%RSD	3318.	77.02	.4163	1.146	13.66	159.3
#1	1.684	-6.942	211.0	935.0	3.913	-.0972
#2	-.8599	-6.067	212.6	924.8	4.105	.9086
#3	-.9593	-.5312	211.1	913.8	3.144	.1697

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	-2.683	28.92	2336.	632.4
Stddev	.158	.52	38.	27.6
%RSD	5.880	1.802	1.621	4.363
#1	-2.579	29.47	2377.	663.0
#2	-2.865	28.43	2302.	624.7
#3	-2.606	28.85	2330.	609.4

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	2893.9	48599.	7228.4
Stddev	19.6	36.	71.5
%RSD	.67720	.07424	.98854
#1	2871.8	48598.	7148.8
#2	2901.1	48563.	7287.0
#3	2908.9	48635.	7249.5

Sample Name: 460-44927-a-3-b@5 Acquired: 9/25/2012 17:30:14 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	103.9	.8948	.5569	78.50	.0747	5075.
Stddev	5.7	.8396	.5967	1.41	.1627	17.
%RSD	5.456	93.83	107.1	1.802	217.9	.3342

#1	104.9	.5490	-.1312	79.06	.2423	5066.
#2	97.78	.2834	.8717	79.55	-.0825	5095.
#3	109.0	1.852	.9303	76.89	.0642	5066.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0529	3.710	.6580	2.008	26.56	1171.
Stddev	.0659	.182	.9814	3.726	7.94	48.
%RSD	124.6	4.895	149.2	185.5	29.90	4.058

#1	-.0837	3.640	1.773	4.126	23.39	1189.
#2	-.0977	3.573	.2757	4.193	20.69	1117.
#3	.0228	3.916	-.0748	-2.294	35.59	1207.

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	535.4	155.9	F 264600.	3.220	25.03	-1.815
Stddev	6.1	1.1	917.	.608	.75	2.783
%RSD	1.137	.6834	.3466	18.88	2.991	153.3

#1	542.0	157.1	263600.	3.028	24.16	-1.500
#2	534.2	155.3	265500.	2.731	25.43	.7974
#3	529.9	155.3	264700.	3.900	25.49	-4.742

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44927-a-3-b@5 Acquired: 9/25/2012 17:30:14 Type: Unk
Method: SW846_092412(v2) 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	1.684	-.7465	.3176	8.509	8.100	-.2445
Stddev	1.616	2.789	.2383	.257	1.155	.1888
%RSD	95.93	373.6	75.03	3.017	14.26	77.20
#1	3.473	-3.000	.5706	8.432	7.487	-.4401
#2	.3302	-1.612	.0975	8.796	9.433	-.2300
#3	1.250	2.373	.2846	8.300	7.382	-.0634

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	.2776	35.99	-1.801	701.6
Stddev	.6067	.31	.884	24.6
%RSD	218.5	.8677	49.11	3.503
#1	-.3296	35.66	-2.811	673.5
#2	.2787	36.28	-1.423	718.7
#3	.8838	36.04	-1.168	712.7

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	2673.2	43657.	6873.4
Stddev	21.6	377.	46.1
%RSD	.80675	.86366	.67017
#1	2697.2	43334.	6837.7
#2	2655.7	44072.	6925.4
#3	2666.6	43566.	6857.2

Sample Name: CCV Acquired: 9/25/2012 17:34:34 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123300.	2489.	1231.	10080.	993.1	118300.
Stddev	728.	6.	3.	11.	5.8	736.
%RSD	.5905	.2539	.2403	.1096	.5810	.6219

#1	122500.	2496.	1232.	10080.	987.0	117800.
#2	123800.	2484.	1228.	10060.	998.5	119100.
#3	123600.	2488.	1234.	10080.	993.8	117900.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1263.	2522.	4968.	12400.	99370.	50370.
Stddev	1.	3.	19.	69.	437.	112.
%RSD	.0499	.1387	.3863	.5570	.4394	.2227

#1	1264.	2526.	4970.	12320.	99460.	50370.
#2	1263.	2521.	4948.	12450.	98900.	50480.
#3	1263.	2519.	4987.	12430.	99760.	50250.

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.	5035.	128300.	2531.	7669.	1005.
Stddev	552.	18.	619.	6.	18.	2.
%RSD	.4401	.3661	.4824	.2307	.2340	.1917

#1	125400.	5040.	127600.	2538.	7684.	1006.
#2	124900.	5015.	128800.	2528.	7649.	1003.
#3	126000.	5050.	128300.	2528.	7675.	1006.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/25/2012 17:34:34 Type: QC
Method: SW846_092412(v2) 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	2453.	2564.	2457.	2509.	987.4	2511.
Stddev	11.	5.	8.	3.	5.9	6.
%RSD	.4495	.1905	.3075	.1283	.5942	.2525

#1	2464.	2570.	2457.	2513.	986.4	2518.
#2	2442.	2562.	2449.	2507.	982.1	2511.
#3	2452.	2561.	2464.	2507.	993.8	2505.

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	1013.	5052.	10020.	9428.
Stddev	3.	100.	67.	83.
%RSD	.3055	1.984	.6642	.8817

#1	1016.	4983.	9950.	9333.
#2	1014.	5006.	10080.	9460.
#3	1010.	5167.	10040.	9490.

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	2534.2	42194.	6639.7
Stddev	15.2	236.	32.7
%RSD	.59919	.55888	.49301

#1	2548.3	42155.	6646.8
#2	2536.2	42447.	6668.3
#3	2518.1	41980.	6604.0

Sample Name: CCB Acquired: 9/25/2012 17:38:37 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-21.48	-1.350	1.020	.2671	.1408	9.566
Stddev	8.18	.812	.822	.1312	.1517	15.59
%RSD	38.09	60.19	80.60	49.12	107.8	162.9
#1	-12.21	-1.486	1.927	.4144	.1821	23.69
#2	-24.54	-.4780	.8059	.2239	-.0273	12.16
#3	-27.69	-2.086	.3258	.1629	.2675	-7.155

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0847	.1738	.6351	3.230	-6.520	-115.2
Stddev	.1960	.5074	.3377	1.265	8.240	28.2
%RSD	231.3	291.9	53.17	39.15	126.4	24.50
#1	-.0068	.6302	.3012	4.611	-1.709	-82.61
#2	.0603	.2638	.9765	2.129	-1.816	-130.1
#3	-.3077	-.3726	.6276	2.949	-16.04	-132.7

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	.7620	.1038	158.0	.0499	-.4304	-1.190
Stddev	4.136	.1089	60.8	.4787	.5821	1.836
%RSD	542.7	104.9	38.49	959.4	135.3	154.3
#1	5.047	.2221	226.5	.5741	-.7084	.9044
#2	.4458	.0815	137.3	-.3641	.2386	-2.521
#3	-3.206	.0078	110.3	-.0604	-.8213	-1.953

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/25/2012 17:38:37 Type: QC
Method: SW846_092412(v2) 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	-.0854	.1377	.1553	.2392	1.578	.6104
Stddev	1.957	1.780	.5553	.0820	.851	.3689
%RSD	2292.	1292.	357.6	34.28	53.95	60.44

#1	-.0842	1.435	.2474	.2582	2.325	1.031
#2	1.871	.8687	.6588	.3101	1.756	.4588
#3	-2.042	-1.891	-.4403	.1494	.6514	.3414

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	-.2418	.4527	.9386	21.21
Stddev	.0403	.3048	1.511	11.03
%RSD	16.65	67.33	161.0	52.00

#1	-.2320	.8024	2.466	32.18
#2	-.2860	.3127	.9047	10.12
#3	-.2073	.2430	-.5549	21.32

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	2779.7	47108.	6743.0
Stddev	14.5	346.	36.6
%RSD	.52228	.73394	.54342

#1	2794.3	47121.	6781.9
#2	2765.2	47447.	6738.0
#3	2779.5	46756.	6709.1

Sample Name: 460-44927-a-4-d@5 Acquired: 9/25/2012 17:42:57 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	95.09	.6706	1.305	35.40	.0444	5996.
Stddev	10.94	.5979	.584	.59	.0746	63.
%RSD	11.50	89.15	44.73	1.655	167.8	1.043

#1	82.50	-.0189	1.966	35.78	.1301	5929.
#2	100.4	.9858	1.090	35.69	-.0061	6004.
#3	102.3	1.045	.8597	34.72	.0093	6054.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0268	23.77	.3256	14.73	79.27	2783.
Stddev	.0626	.19	.4241	4.77	13.64	58.
%RSD	234.1	.8075	130.3	32.42	17.20	2.095

#1	-.0944	23.66	-.1640	16.99	94.27	2739.
#2	.0293	23.99	.5811	17.95	75.91	2849.
#3	-.0152	23.65	.5595	9.244	67.63	2761.

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	241.6	85.83	F 263700.	3.336	2.853	-.1797
Stddev	3.6	1.32	2741.	.502	2.216	3.203
%RSD	1.496	1.538	1.039	15.05	77.67	1782.

#1	237.5	84.31	262000.	3.004	1.777	-3.671
#2	243.2	86.53	266900.	3.090	5.402	.5106
#3	244.1	86.66	262300.	3.914	1.381	2.622

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44927-a-4-d@5 Acquired: 9/25/2012 17:42:57 Type: Unk
Method: SW846_092412(v2) 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	-1.734	2.016	-1.199	8.641	8.208	-2.300
Stddev	2.641	2.770	.3174	.094	.705	.1808
%RSD	152.3	137.4	264.7	1.087	8.586	78.62
#1	1.289	-.7327	-.4636	8.750	7.407	-.2635
#2	-3.591	4.807	-.0582	8.592	8.489	-.0347
#3	-2.900	1.972	.1621	8.582	8.730	-.3916

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	.0211	48.76	2.746	597.3
Stddev	.8746	.73	1.471	16.8
%RSD	4149.	1.493	53.56	2.804
#1	-.1844	48.16	4.412	598.3
#2	-.7325	49.57	2.196	580.1
#3	.9801	48.55	1.629	613.6

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	2643.4	43495.	6757.6
Stddev	17.7	399.	88.8
%RSD	.67058	.91682	1.3137
#1	2660.3	43853.	6755.4
#2	2645.1	43566.	6670.0
#3	2624.9	43065.	6847.5

Sample Name: CCB Acquired: 9/25/2012 17:51:20 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-42.65	1.816	.9465	.4894	.0492	6.686
Stddev	.73	.849	.7479	.2485	.1270	6.913
%RSD	1.719	46.76	79.02	50.77	258.1	103.4
#1	-42.12	2.559	.3190	.2224	.1858	8.936
#2	-43.49	1.999	1.774	.7139	-.0652	-1.072
#3	-42.33	.8901	.7463	.5320	.0270	12.19

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1400	.2030	.7267	2.738	.4911	-53.50
Stddev	.0780	.0677	.6756	3.133	4.365	64.24
%RSD	55.68	33.34	92.97	114.4	888.8	120.1
#1	-.1165	.1993	.0104	.4703	2.720	20.66
#2	-.0765	.2725	1.353	6.313	-4.538	-91.75
#3	-.2270	.1373	.8171	1.430	3.292	-89.41

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	4.201	.1231	180.0	-.1045	-.5826	1.050
Stddev	2.042	.0243	17.8	.7840	1.255	2.201
%RSD	48.62	19.71	9.867	750.5	215.5	209.6
#1	3.186	.1340	184.1	.7407	.5511	2.479
#2	2.864	.0953	195.3	-.8081	-1.932	-1.485
#3	6.552	.1399	160.5	-.2459	-.3673	2.157

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/25/2012 17:51:20 Type: QC
Method: SW846_092412(v2) 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	-1.423	1.117	.1406	.2213	1.700	.9271
Stddev	1.942	1.494	.2307	.1544	.431	.3444
%RSD	136.5	133.8	164.1	69.74	25.38	37.14
#1	.6836	2.603	.1291	.2968	1.236	1.315
#2	-1.811	-.3852	.3769	.3235	1.773	.6573
#3	-3.141	1.132	-.0841	.0438	2.090	.8091

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	-.7826	.2285	1.153	2.115
Stddev	.3532	.2092	.823	7.028
%RSD	45.13	91.53	71.32	332.3
#1	-1.190	.1352	1.062	9.041
#2	-.5750	.0823	2.017	2.316
#3	-.5823	.4682	.3799	-5.012

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	2826.4	47932.	6795.4
Stddev	4.4	113.	88.9
%RSD	.15644	.23624	1.3085
#1	2828.0	48013.	6833.8
#2	2829.7	47803.	6858.6
#3	2821.4	47982.	6693.7

Sample Name: CAL_BLK Acquired: 9/25/2012 11:00:37 Type: Cal
Method: SW846_092412(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0013	.0002	-0.0005	-0.0004	-0.0028	.0002
Stddev	.0013	.0001	.0001	.0001	.0005	.0001
%RSD	103.3	52.41	19.76	23.49	17.41	61.05

#1	-0.0003	.0002	-0.0005	-0.0005	-0.0025	.0003
#2	-0.0028	.0002	-0.0005	-0.0003	-0.0033	.0001
#3	-0.0008	.0001	-0.0004	-0.0003	-0.0024	.0004

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_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0016	.0052	.0001	.0022	.0001	.0183
Stddev	.0002	.0001	.0001	.0004	.0001	.0015
%RSD	12.40	2.860	66.36	19.11	65.80	8.060

#1	-0.0014	.0050	.0002	.0026	.0001	.0176
#2	-0.0018	.0053	.0001	.0023	.0002	.0173
#3	-0.0015	.0052	.0000	.0018	.0000	.0200

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	-0.0000	-0.0001	-0.0196	.0007	-0.0009	.0005
Stddev	.0001	.0001	.0008	.0003	.0003	.0002
%RSD	483.6	91.18	4.191	51.26	29.31	29.80

#1	-0.0001	-0.0001	-0.0200	.0011	-0.0006	.0007
#2	.0001	-0.0000	-0.0202	.0005	-0.0010	.0004
#3	.0000	-0.0001	-0.0187	.0005	-0.0010	.0006

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	.0001	.0003	.0001	.0007	.0000	.0001
Stddev	.0001	.0000	.0001	.0002	.0001	.0001
%RSD	95.54	10.22	56.71	32.03	312.8	89.96

#1	.0000	.0003	.0000	.0007	.0000	.0002
#2	.0002	.0003	.0001	.0005	.0002	.0001
#3	.0001	.0003	.0002	.0009	-0.0001	.0000

Sample Name: CAL_BLK Acquired: 9/25/2012 11:00:37 Type: Cal
Method: SW846_092412(v2) Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0004	.0027	.0023	-.0003
Stddev	.0002	.0000	.0006	.0010
%RSD	36.56	1.114	23.80	317.6

#1	.0004	.0026	.0030	.0002
#2	.0006	.0027	.0020	.0003
#3	.0003	.0027	.0020	-.0015

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	2990.0	48951.	7302.8
Stddev	39.5	515.	132.8
%RSD	1.3225	1.0526	1.8184

#1	2945.5	48369.	7259.5
#2	3003.3	49133.	7197.1
#3	3021.1	49350.	7451.9

Sample Name: DCAL1 Acquired: 9/25/2012 11:04:56 Type: Cal
Method: SW846_092412(v2) 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_3710)	(Y_3600)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0040	.0009	.0063	.0326
Stddev	.0008	.0000	.0001	.0007
%RSD	20.59	5.431	1.313	2.038

#1	.0050	.0009	.0063	.0333
#2	.0036	.0010	.0064	.0327
#3	.0036	.0009	.0062	.0320

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	2994.2	49219.	7367.2
Stddev	15.0	265.	36.4
%RSD	.49999	.53913	.49394

#1	3003.3	48921.	7397.4
#2	3002.4	49308.	7377.4
#3	2977.0	49429.	7326.8

Sample Name: 460-44971-i-1-d Acquired: 9/25/2012 12:07:53 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	81.30	4.491	1.909	109.0	.0055	200000.
Stddev	7.49	2.244	.895	1.8	.0649	1431.
%RSD	9.213	49.98	46.91	1.639	1183.	.7153

#1	87.15	5.737	2.935	110.1	.0709	198800.
#2	83.90	1.900	1.509	109.9	.0043	199600.
#3	72.86	5.836	1.283	106.9	-.0588	201600.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2312	.2426	-2.030	.7864	60.08	41940.
Stddev	.1767	.2009	.514	1.987	11.28	447.
%RSD	76.41	82.82	25.31	252.7	18.77	1.067

#1	.4132	.3961	-1.543	1.027	70.18	42190.
#2	.2201	.3166	-2.567	2.642	47.91	42200.
#3	.0604	.0152	-1.980	-1.310	62.16	41420.

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	48220.	2409.	F 398900.	.9865	.6886	-.3981
Stddev	155.	11.	6654.	.6091	.7971	2.108
%RSD	.3217	.4370	1.668	61.75	115.8	529.4

#1	48340.	2419.	400600.	.7319	.1802	-2.343
#2	48050.	2398.	391600.	.5460	1.607	-.6921
#3	48270.	2411.	404600.	1.682	.2784	1.841

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44971-i-1-d Acquired: 9/25/2012 12:07:53 Type: Unk
Method: SW846_092412(v2) 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	.7187	-3.135	12.49	21.02	361.6	31.79
Stddev	.3052	2.790	.28	.38	5.2	1.01
%RSD	42.46	88.98	2.270	1.818	1.427	3.190
#1	1.067	-1.428	12.49	21.09	361.6	32.04
#2	.4995	-6.354	12.77	21.37	366.7	32.66
#3	.5894	-1.623	12.20	20.61	356.4	30.68

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	-.4932	1519.	8.192	10560.
Stddev	.4750	13.	.592	72.
%RSD	96.32	.8838	7.222	.6779
#1	.0375	1526.	8.781	10530.
#2	-.6384	1528.	7.598	10650.
#3	-.8787	1504.	8.196	10520.

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	2665.9	42850.	7192.1
Stddev	22.3	225.	20.3
%RSD	.83657	.52515	.28167
#1	2690.5	42929.	7195.6
#2	2646.9	43026.	7170.3
#3	2660.4	42596.	7210.4

Sample Name: 460-44974-i-2-b Acquired: 9/25/2012 12:54:45 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	69.24	6.395	1.227	111.4	.0119	99820.
Stddev	9.84	.118	.733	.3	.1084	578.
%RSD	14.22	1.851	59.73	.2693	910.4	.5791
#1	65.73	6.259	.7366	111.0	.1318	100500.
#2	61.63	6.477	.8751	111.6	-.0791	99360.
#3	80.35	6.449	2.070	111.4	-.0170	99620.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0297	1.296	.1388	3.207	98.24	12620.
Stddev	.0951	.382	.3895	3.162	11.01	30.
%RSD	320.0	29.48	280.6	98.58	11.21	.2378
#1	-.0254	1.629	.1893	4.740	99.23	12620.
#2	.1395	1.380	.5006	5.311	108.7	12650.
#3	-.0250	.8789	-.2735	-.4289	86.76	12590.

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	25320.	1062.	138600.	4.215	2.773	-.8018
Stddev	69.	3.	725.	.482	1.802	1.916
%RSD	.2744	.2984	.5230	11.42	64.98	239.0
#1	25380.	1065.	139300.	3.985	1.371	-2.719
#2	25330.	1064.	138500.	4.769	2.144	-.8004
#3	25240.	1059.	137900.	3.892	4.805	1.113

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44974-i-2-b Acquired: 9/25/2012 12:54:45 Type: Unk
Method: SW846_092412(v2) 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	-.8418	-1.031	2.459	46.65	202.1	1.584
Stddev	1.246	.160	.779	.19	.3	.533
%RSD	148.0	15.51	31.70	.4133	.1251	33.64
#1	-1.1681	-1.214	1.670	46.74	202.2	1.020
#2	-2.280	-.9177	3.228	46.78	201.9	2.079
#3	-.0774	-.9614	2.477	46.43	202.4	1.653

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	-.4887	577.0	5.987	18350.
Stddev	.4544	.9	1.272	41.
%RSD	92.98	.1574	21.25	.2251
#1	-1.010	577.9	6.550	18320.
#2	-.1799	577.1	4.530	18350.
#3	-.2757	576.1	6.880	18400.

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	2767.7	45193.	7232.1
Stddev	10.2	72.	16.2
%RSD	.36903	.16040	.22427
#1	2779.2	45251.	7218.0
#2	2764.3	45215.	7228.4
#3	2759.6	45112.	7249.8

Sample Name: DCAL2 Acquired: 9/25/2012 11:09:14 Type: Cal
Method: SW846_092412(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0132	.0010	.0017	.2421	.0070	.1498
Stddev	.0005	.0002	.0002	.0043	.0004	.0018
%RSD	3.699	19.32	11.45	1.779	6.096	1.223

#1	.0138	.0012	.0019	.2453	.0075	.1518
#2	.0128	.0010	.0015	.2439	.0070	.1492
#3	.0131	.0008	.0016	.2372	.0067	.1483

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_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0108	.1075	.0019	.0064	.0014	.3160
Stddev	.0004	.0020	.0001	.0002	.0001	.0063
%RSD	3.447	1.887	4.592	3.245	6.903	1.991

#1	.0108	.1084	.0020	.0062	.0015	.3134
#2	.0111	.1090	.0019	.0064	.0015	.3232
#3	.0104	.1052	.0018	.0066	.0013	.3114

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	.1398	.0169	.4542	.0231	.0007	.0018
Stddev	.0027	.0003	.0042	.0006	.0004	.0000
%RSD	1.900	1.804	.9253	2.806	60.12	1.727

#1	.1429	.0173	.4532	.0236	.0009	.0018
#2	.1386	.0168	.4588	.0234	.0002	.0019
#3	.1380	.0167	.4506	.0224	.0010	.0018

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	.0003	.0015	.0140	.0959	.0317	.0169
Stddev	.0003	.0003	.0004	.0022	.0008	.0002
%RSD	109.3	21.53	2.810	2.259	2.509	1.095

#1	.0007	.0012	.0144	.0971	.0326	.0169
#2	.0001	.0018	.0136	.0972	.0313	.0171
#3	.0001	.0017	.0139	.0934	.0311	.0167

Sample Name: DCAL2 Acquired: 9/25/2012 11:09:14 Type: Cal
Method: SW846_092412(v2) Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0269	.1522	.0113	.0155
Stddev	.0008	.0032	.0004	.0006
%RSD	2.866	2.112	3.493	4.048

#1	.0274	.1520	.0115	.0151
#2	.0273	.1555	.0109	.0152
#3	.0260	.1491	.0116	.0163

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	2978.1	48654.	7500.4
Stddev	24.7	859.	117.3
%RSD	.82987	1.7663	1.5643

#1	2956.8	47682.	7535.5
#2	2972.2	48967.	7369.5
#3	3005.2	49314.	7596.1

Sample Name: sd 460-44927-a-2-b@2 Acquired: 9/25/2012 14:33:08 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.43	.5421	1.059	10.24	.0468	28080.
Stddev	8.14	2.231	.708	.28	.0516	253.
%RSD	65.47	411.6	66.91	2.743	110.3	.9016
#1	4.837	-1.821	.6731	10.53	.0208	28320.
#2	21.02	2.613	.6269	9.967	.1063	27810.
#3	11.43	.8345	1.876	10.21	.0134	28100.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0170	-.0043	.9849	2.841	-7.169	348.4
Stddev	.0688	.3669	.5767	1.910	3.710	15.8
%RSD	405.2	8542.	58.56	67.24	51.75	4.535
#1	-.0397	.3751	1.301	.7373	-10.77	364.8
#2	.0936	-.3572	1.335	3.318	-3.362	347.1
#3	-.0029	-.0308	.3192	4.467	-7.373	333.3

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	8.440	.1705	60580.	.6117	-1.162	-.5499
Stddev	1.574	.1138	85.	.6092	.516	2.951
%RSD	18.65	66.73	.1406	99.59	44.43	536.6
#1	10.24	.2832	60510.	.1382	-1.218	-2.421
#2	7.341	.1729	60680.	.3978	-.6202	2.852
#3	7.735	.0556	60570.	1.299	-1.648	-2.080

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-44927-a-2-b@2 Acquired: 9/25/2012 14:33:08 Type: Unk
Method: SW846_092412(v2) 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	-.4727	-.5258	.3702	.8472	3.542	-.3510
Stddev	.6034	2.106	.3147	.0151	.408	.3649
%RSD	127.6	400.5	85.02	1.780	11.52	104.0
#1	.1094	-2.595	.0509	.8361	3.745	.0624
#2	-.4321	-.5975	.3795	.8644	3.072	-.6284
#3	-1.095	1.615	.6801	.8412	3.808	-.4871

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	-.2132	132.1	.5255	798.1
Stddev	.4401	.4	1.838	20.0
%RSD	206.5	.3324	349.9	2.505
#1	.1735	132.3	2.630	788.3
#2	-.6920	131.7	-.7643	784.9
#3	-.1210	132.5	-.2898	821.1

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	2794.4	46486.	7123.6
Stddev	15.5	256.	90.7
%RSD	.55290	.55085	1.2732
#1	2780.3	46749.	7095.6
#2	2810.9	46473.	7050.2
#3	2792.1	46237.	7225.0

Sample Name: 460-44902-a-1-c@5 Acquired: 9/25/2012 15:06:48 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	62.48	-.3047	1.360	62.22	.2484	12580.
Stddev	9.78	1.614	.844	.44	.1229	142.
%RSD	15.65	529.5	62.07	.7048	49.46	1.131

#1	54.54	-1.970	2.052	62.36	.1154	12530.
#2	59.49	-.1957	1.610	62.56	.2721	12470.
#3	73.40	1.252	.4192	61.72	.3577	12740.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3678	5.524	.7007	62.05	140.2	778.7
Stddev	.2725	.219	.1556	2.68	5.2	42.9
%RSD	74.09	3.970	22.20	4.316	3.736	5.514

#1	.3955	5.626	.8704	64.84	136.3	802.1
#2	.0825	5.674	.5650	59.50	146.1	729.1
#3	.6254	5.272	.6666	61.80	138.1	804.9

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	2415.	1445.	249400.	5.199	8.223	-2.417
Stddev	12.	7.	4146.	.248	1.862	2.794
%RSD	.4934	.5119	1.663	4.768	22.64	115.6

#1	2408.	1438.	253600.	5.386	9.781	.2065
#2	2429.	1452.	245300.	5.295	8.725	-2.101
#3	2409.	1443.	249200.	4.918	6.161	-5.355

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44902-a-1-c@5 Acquired: 9/25/2012 15:06:48 Type: Unk
Method: SW846_092412(v2) 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	-.1356	-2.429	.6037	100.1	46.69	.0870
Stddev	3.493	1.650	.2278	.9	.95	.0248
%RSD	2576.	67.90	37.73	.8745	2.042	28.53
#1	3.567	-4.308	.7165	100.0	46.41	.0946
#2	-3.373	-1.219	.3415	101.0	47.75	.1072
#3	-.6014	-1.760	.7531	99.31	45.91	.0593

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	.0759	44.53	-.4121	322.4
Stddev	.5765	.86	.4384	8.1
%RSD	759.5	1.923	106.4	2.498
#1	.0213	45.27	-.4918	325.0
#2	.6777	43.59	.0607	313.4
#3	-.4713	44.73	-.8052	328.9

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	2770.3	45324.	7288.7
Stddev	24.4	169.	73.4
%RSD	.88016	.37293	1.0064
#1	2796.2	45514.	7205.5
#2	2767.1	45192.	7344.0
#3	2747.8	45265.	7316.7

Sample Name: DCAL3 Acquired: 9/25/2012 11:13:29 Type: Cal
Method: SW846_092412(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.807	.0865	.0482	2.446	.9479	.7641
Stddev	.004	.0003	.0007	.006	.0022	.0128
%RSD	.2349	.3338	1.547	.2583	.2308	1.680

#1	1.807	.0865	.0474	2.453	.9466	.7553
#2	1.811	.0862	.0484	2.443	.9504	.7581
#3	1.803	.0868	.0488	2.442	.9466	.7788

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_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.7801	1.039	.1639	.4015	.1632	.6262
Stddev	.0018	.004	.0017	.0014	.0016	.0014
%RSD	.2367	.4352	1.030	.3439	.9937	.2250

#1	.7821	1.043	.1620	.4008	.1614	.6246
#2	.7796	1.038	.1653	.4031	.1645	.6273
#3	.7785	1.034	.1645	.4006	.1638	.6268

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	.6855	1.073	2.385	.2870	.5239	.0342
Stddev	.0099	.014	.011	.0007	.0012	.0001
%RSD	1.444	1.338	.4528	.2568	.2245	.4195

#1	.6741	1.056	2.373	.2878	.5252	.0343
#2	.6915	1.081	2.392	.2867	.5236	.0341
#3	.6909	1.081	2.391	.2864	.5229	.0341

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	.0510	.0556	.1413	1.609	.1331	.4298
Stddev	.0002	.0002	.0020	.005	.0005	.0019
%RSD	.4211	.3198	1.422	.3170	.3974	.4323

#1	.0509	.0558	.1390	1.614	.1325	.4315
#2	.0509	.0554	.1426	1.607	.1335	.4301
#3	.0513	.0556	.1423	1.605	.1333	.4278

Sample Name: DCAL3 Acquired: 9/25/2012 11:13:29 Type: Cal
Method: SW846_092412(v2) Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1072	7.118	1.037	.1580
Stddev	.0003	.020	.003	.0014
%RSD	.3245	.2771	.3051	.8814

#1	.1075	7.102	1.034	.1579
#2	.1068	7.140	1.040	.1567
#3	.1074	7.113	1.039	.1595

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	2886.7	47053.	7322.3
Stddev	12.2	753.	31.0
%RSD	.42094	1.6013	.42334

#1	2893.0	47921.	7291.4
#2	2894.3	46673.	7322.2
#3	2872.7	46566.	7353.4

Sample Name: DCAL4 Acquired: 9/25/2012 11:17:30 Type: Cal
Method: SW846_092412(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	9.085	.4478	.2440	11.97	4.873	3.878
Stddev	.052	.0012	.0017	.04	.027	.029
%RSD	.5748	.2784	.7134	.3562	.5471	.7359

#1	9.079	.4469	.2441	11.93	4.868	3.855
#2	9.036	.4493	.2457	12.02	4.849	3.910
#3	9.140	.4473	.2422	11.97	4.901	3.870

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_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.872	5.046	.8480	2.065	.7994	3.019
Stddev	.014	.021	.0078	.010	.0077	.025
%RSD	.3577	.4263	.9228	.5040	.9677	.8123

#1	3.861	5.032	.8485	2.064	.7993	3.039
#2	3.887	5.071	.8556	2.055	.8072	2.992
#3	3.866	5.037	.8400	2.076	.7917	3.025

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	3.373	5.378	11.32	1.393	2.618	.1738
Stddev	.032	.050	.06	.006	.007	.0010
%RSD	.9543	.9296	.5686	.4133	.2634	.5869

#1	3.370	5.383	11.34	1.391	2.611	.1742
#2	3.406	5.425	11.25	1.400	2.625	.1746
#3	3.342	5.326	11.38	1.389	2.618	.1726

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	.2606	.2596	.6985	7.948	.7047	2.136
Stddev	.0009	.0010	.0072	.028	.0038	.011
%RSD	.3468	.3971	1.028	.3530	.5359	.4928

#1	.2598	.2584	.6996	7.925	.7003	2.131
#2	.2606	.2600	.7051	7.979	.7067	2.148
#3	.2616	.2603	.6908	7.939	.7070	2.128

Sample Name: DCAL4 Acquired: 9/25/2012 11:17:30 Type: Cal
Method: SW846_092412(v2) Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5244	36.74	5.119	.8112
Stddev	.0035	.37	.028	.0057
%RSD	.6727	1.007	.5510	.6971

#1	.5241	36.59	5.119	.8047
#2	.5280	36.47	5.091	.8134
#3	.5210	37.16	5.147	.8154

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	2676.1	44084.	7192.4
Stddev	16.8	195.	65.3
%RSD	.62871	.44183	.90722

#1	2687.5	44122.	7182.3
#2	2684.0	43873.	7262.0
#3	2656.8	44257.	7132.7

Sample Name: DCAL5 Acquired: 9/25/2012 11:21:34 Type: Cal
Method: SW846_092412(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	18.06	.8986	.4915	23.29	9.536	7.676
Stddev	.18	.0116	.0021	.28	.073	.054
%RSD	.9699	1.287	.4311	1.192	.7614	.6995

#1	18.26	.9061	.4917	23.46	9.619	7.647
#2	17.96	.9044	.4892	23.44	9.487	7.738
#3	17.97	.8853	.4935	22.97	9.502	7.643

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_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.556	9.882	1.669	4.069	1.564	5.831
Stddev	.097	.158	.006	.039	.006	.097
%RSD	1.281	1.598	.3721	.9530	.3844	1.656

#1	7.617	9.978	1.674	4.113	1.569	5.941
#2	7.607	9.968	1.662	4.042	1.557	5.762
#3	7.444	9.700	1.672	4.052	1.565	5.789

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	6.626	10.36	21.00	2.711	5.060	.3462
Stddev	.032	.12	.17	.042	.048	.0053
%RSD	.4865	1.111	.8295	1.550	.9486	1.535

#1	6.641	10.31	21.18	2.734	5.088	.3497
#2	6.589	10.28	20.84	2.737	5.089	.3487
#3	6.647	10.49	20.98	2.663	5.005	.3401

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	.5221	.4939	1.384	15.60	1.380	4.176
Stddev	.0031	.0053	.007	.23	.010	.072
%RSD	.5905	1.081	.4766	1.451	.7521	1.727

#1	.5237	.4967	1.384	15.73	1.386	4.219
#2	.5241	.4972	1.377	15.72	1.387	4.216
#3	.5186	.4877	1.390	15.34	1.368	4.092

Sample Name: DCAL5 Acquired: 9/25/2012 11:21:34 Type: Cal
Method: SW846_092412(v2) Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.014	72.28	10.02	1.665
Stddev	.021	.19	.08	.009
%RSD	2.018	.2577	.7779	.5529

#1	1.026	72.34	10.11	1.668
#2	1.025	72.07	9.956	1.672
#3	.9902	72.43	9.995	1.655

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	2543.5	42143.	7133.4
Stddev	6.9	71.	53.6
%RSD	.27169	.16745	.75094

#1	2536.8	42082.	7089.8
#2	2543.2	42220.	7193.2
#3	2550.6	42127.	7117.1

Sample Name: CCV Acquired: 9/25/2012 11:25:47 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124300.	2477.	1239.	9966.	1004.	125900.
Stddev	413.	26.	15.	110.	4.	688.
%RSD	.3326	1.045	1.221	1.107	.4290	.5465

#1	124700.	2472.	1242.	9942.	1008.	125800.
#2	123900.	2505.	1223.	10090.	999.4	126700.
#3	124300.	2454.	1253.	9870.	1005.	125300.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1251.	2487.	5047.	12590.	100900.	50760.
Stddev	14.	30.	63.	44.	1270.	160.
%RSD	1.151	1.224	1.249	.3527	1.259	.3144

#1	1247.	2484.	5079.	12630.	101300.	50930.
#2	1266.	2518.	4974.	12540.	99440.	50620.
#3	1238.	2458.	5088.	12590.	101800.	50720.

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	125700.	5119.	129100.	2507.	7616.	993.2
Stddev	1603.	62.	560.	32.	79.	10.9
%RSD	1.275	1.214	.4335	1.292	1.031	1.098

#1	126100.	5138.	129700.	2503.	7587.	990.0
#2	124000.	5050.	128600.	2541.	7705.	1005.
#3	127100.	5170.	129000.	2477.	7557.	984.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/25/2012 11:25:47 Type: QC
Method: SW846_092412(v2) 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	2456.	2532.	2489.	2471.	981.2	2504.
Stddev	17.	20.	28.	29.	9.4	32.
%RSD	.7102	.7809	1.127	1.171	.9588	1.279

#1	2449.	2523.	2496.	2464.	976.9	2500.
#2	2476.	2554.	2458.	2502.	992.0	2538.
#3	2444.	2517.	2513.	2446.	974.7	2475.

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	1005.	5038.	10130.	9690.
Stddev	15.	68.	26.	70.
%RSD	1.502	1.342	.2530	.7230

#1	1003.	4983.	10150.	9651.
#2	1022.	5114.	10100.	9771.
#3	991.6	5018.	10130.	9648.

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	2700.8	44349.	7275.7
Stddev	19.7	576.	32.2
%RSD	.72895	1.2989	.44217

#1	2719.5	44316.	7285.7
#2	2680.3	44942.	7301.7
#3	2702.6	43791.	7239.7

Sample Name: CCB Acquired: 9/25/2012 11:29:51 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.741	1.206	.8679	.5905	.0160	12.48
Stddev	32.37	1.005	1.241	.2456	.1189	10.29
%RSD	1859.	83.29	143.0	41.60	743.5	82.47
#1	38.99	2.287	1.615	.8401	.1506	23.64
#2	-19.49	1.031	-.5644	.5823	-.0282	10.44
#3	-14.29	.3007	1.553	.3491	-.0745	3.360

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1335	-.2775	.8360	5.828	7.133	207.3
Stddev	.0702	.0871	.4718	2.828	5.180	64.3
%RSD	52.60	31.38	56.43	48.52	72.61	31.00
#1	.1394	-.3032	1.144	4.858	9.476	267.8
#2	.2007	-.1805	.2928	9.014	10.73	139.8
#3	.0606	-.3489	1.071	3.613	1.196	214.3

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	3.439	.2293	147.5	.1826	.8580	-1.029
Stddev	9.113	.3393	61.9	.1851	.6602	1.024
%RSD	265.0	148.0	41.97	101.4	76.95	99.57
#1	13.85	.6119	219.0	.3454	1.561	-2.040
#2	-.4174	.1110	113.3	.2211	.2517	-1.054
#3	-3.111	-.0352	110.3	-.0188	.7610	.0080

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/25/2012 11:29:51 Type: QC
Method: SW846_092412(v2) 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	-.8085	1.672	.3048	.2805	2.724	.9946
Stddev	2.869	.206	.5379	.1877	.739	.2267
%RSD	354.8	12.31	176.5	66.91	27.12	22.80
#1	-1.267	1.889	.9192	.3687	3.376	1.197
#2	-3.421	1.647	.0765	.4078	2.876	1.038
#3	2.262	1.479	-.0814	.0649	1.921	.7493

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	-.3480	.4402	-1.732	8.063
Stddev	.3259	.5164	.554	3.280
%RSD	93.65	117.3	32.00	40.68
#1	-.0760	1.031	-1.395	11.34
#2	-.2587	.2160	-1.429	8.078
#3	-.7092	.0737	-2.371	4.776

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	3004.8	49512.	7371.4
Stddev	21.0	489.	57.6
%RSD	.70004	.98817	.78205
#1	3028.6	49926.	7437.5
#2	2988.8	49639.	7345.3
#3	2997.1	48972.	7331.4

Sample Name: IC5A 1552029 Acquired: 9/25/2012 11:34:10 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	502800.	-2.105	-4.758	-5372	-.0981	477900.
Stddev	1267.	1.491	.6289	.7666	.0476	4377.
%RSD	.2521	70.84	132.2	142.7	48.46	.9159

#1	502400.	-2.198	-.3512	-1.043	-.0838	482900.
#2	504200.	-3.547	.0814	-.9139	-.0594	475900.
#3	501700.	-.5691	-1.158	.3448	-.1512	474900.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5334	-.8287	1.587	-2.911	195100.	469.2
Stddev	.7921	.4220	.512	1.349	391.	173.1
%RSD	148.5	50.93	32.25	46.33	.2003	36.89

#1	.2817	-1.292	1.357	-1.813	195500.	667.2
#2	-.5814	-.4665	1.230	-4.416	194900.	394.0
#3	-1.300	-.7275	2.173	-2.504	194800.	346.4

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	488000.	-.5716	120.1	-.8829	1.280	-6.242
Stddev	4638.	.1846	21.3	.7584	4.228	.993
%RSD	.9506	32.29	17.72	85.90	330.3	15.91

#1	483600.	-.4327	144.4	-.1898	.8601	-7.357
#2	487400.	-.7811	104.7	-1.693	-2.722	-5.452
#3	492900.	-.5011	111.2	-.7658	5.703	-5.916

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: IC5A 1552029 Acquired: 9/25/2012 11:34:10 Type: QC
Method: SW846_092412(v2) 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	-3.013	-2.439	.5485	-.1124	1.129	-.8450
Stddev	2.367	3.985	.4214	.1866	.577	.2287
%RSD	78.54	163.4	76.82	165.9	51.16	27.07
#1	-1.027	-6.764	.1610	-.1234	1.621	-.9672
#2	-5.632	1.084	.4875	.0793	.4930	-.9867
#3	-2.381	-1.637	.9971	-.2933	1.272	-.5811

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	-2.611	-.2138	-5.153	3.484
Stddev	.408	.0857	1.322	4.515
%RSD	15.63	40.08	25.65	129.6
#1	-2.466	-.2812	-5.664	2.526
#2	-2.295	-.1174	-3.652	8.401
#3	-3.072	-.2426	-6.143	-.4753

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	2636.1	42280.	7050.3
Stddev	10.9	157.	46.3
%RSD	.41410	.37202	.65618
#1	2625.8	42299.	7061.0
#2	2647.5	42428.	6999.6
#3	2635.1	42115.	7090.3

Sample Name: ICSAB 1604491 Acquired: 9/25/2012 11:38:36 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	488100.	90.89	101.3	94.58	97.85	474500.
Stddev	9789.	2.11	1.4	2.36	1.90	1680.
%RSD	2.005	2.317	1.340	2.498	1.940	.3540
#1	476900.	89.50	102.4	96.48	95.70	476500.
#2	494800.	93.31	99.82	95.33	98.54	473600.
#3	492700.	89.86	101.8	91.93	99.30	473500.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	93.72	92.27	98.39	95.05	196800.	10800.
Stddev	3.23	2.76	.38	1.44	1612.	207.
%RSD	3.451	2.991	.3907	1.521	.8191	1.915
#1	95.93	94.16	98.11	96.70	198600.	10570.
#2	95.22	93.54	98.83	94.37	195600.	10890.
#3	90.01	89.10	98.23	94.06	196300.	10950.

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	491300.	99.88	10990.	92.68	92.46	87.19
Stddev	4437.	.85	286.	2.65	2.86	3.39
%RSD	.9030	.8484	2.607	2.855	3.089	3.885
#1	496300.	100.3	10660.	94.33	89.33	84.52
#2	487900.	98.90	11120.	94.08	94.94	91.00
#3	489700.	100.4	11180.	89.62	93.10	86.05

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1604491 Acquired: 9/25/2012 11:38:36 Type: QC
Method: SW846_092412(v2) 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	90.31	91.57	97.06	92.39	92.33	93.65
Stddev	6.21	2.60	.45	3.12	.63	3.93
%RSD	6.880	2.842	.4666	3.375	.6823	4.194
#1	97.25	93.94	97.34	94.90	92.90	97.06
#2	88.42	91.97	96.54	93.37	92.45	94.54
#3	85.26	88.79	97.31	88.90	91.66	89.35

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	91.08	100.1	90.24	62.54
Stddev	4.45	2.2	2.88	16.55
%RSD	4.882	2.187	3.193	26.46
#1	95.37	97.61	86.93	81.65
#2	91.38	101.4	92.18	53.14
#3	86.50	101.5	91.62	52.83

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	2652.9	42434.	7208.3
Stddev	11.1	286.	122.9
%RSD	.41967	.67356	1.7045
#1	2643.3	42255.	7349.1
#2	2650.2	42764.	7153.1
#3	2665.1	42284.	7122.7

Sample Name: INT-10 1717509 Acquired: 9/25/2012 11:42:57 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.074	-1.188	-5.264	-1.855	-.4976	11.78
Stddev	27.95	1.729	.985	.363	.1064	18.81
%RSD	551.0	145.6	18.71	19.59	21.39	159.7

#1	25.32	-2.302	-6.350	-2.197	-.4324	33.11
#2	-10.85	-2.066	-5.012	-1.896	-.6204	-2.464
#3	-29.69	.8044	-4.430	-1.473	-.4401	4.705

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5443	10590.	10160.	3.177	-34.36	54.16
Stddev	.1470	456.	155.	4.023	39.52	51.56
%RSD	27.01	4.300	1.522	126.6	115.0	95.20

#1	-.5709	10810.	10230.	7.467	-36.91	59.10
#2	-.3857	10900.	10270.	2.574	-72.54	103.1
#3	-.6761	10070.	9987.	-.5111	6.366	.3059

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	-3.255	10300.	50.49	10570.	-3.198	.3691
Stddev	13.38	133.	31.84	467.	.488	7.408
%RSD	411.0	1.287	63.06	4.421	15.26	2007.

#1	10.26	10400.	65.43	10800.	-3.247	3.966
#2	-3.537	10360.	72.11	10880.	-3.659	5.291
#3	-16.49	10150.	13.93	10030.	-2.687	-8.150

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10 1717509 Acquired: 9/25/2012 11:42:57 Type: QC
Method: SW846_092412(v2) 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	1.657	-2.876	4879.	-3.974	-13.83	5037.
Stddev	.543	1.641	57.	.428	1.61	225.
%RSD	32.77	57.07	1.176	10.77	11.64	4.458
#1	1.031	-4.015	4903.	-4.298	-15.19	5148.
#2	1.939	-3.618	4920.	-4.135	-14.24	5185.
#3	2.001	-.9946	4813.	-3.489	-12.05	4779.

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	10510.	10120.	9972.	9690.
Stddev	528.	218.	32.	173.
%RSD	5.027	2.154	.3219	1.782
#1	10780.	10280.	9980.	9497.
#2	10850.	9874.	9999.	9828.
#3	9901.	10210.	9937.	9746.

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	2878.9	49287.	7490.6
Stddev	16.4	75.	43.8
%RSD	.56957	.15291	.58421
#1	2897.6	49374.	7465.4
#2	2867.0	49240.	7541.1
#3	2872.0	49248.	7465.2

Sample Name: 460-44976-i-2-c du Acquired: 9/25/2012 11:47:24 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	81.96	10.17	.9721	104.5	-.0165	99640.
Stddev	3.00	.98	.5836	1.1	.0450	794.
%RSD	3.663	9.627	60.04	1.070	272.6	.7966

#1	82.53	9.256	.3139	105.0	-.0563	99650.
#2	78.72	11.20	1.176	105.2	-.0257	100400.
#3	84.64	10.06	1.426	103.2	.0324	98840.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1214	2.944	.1070	1.948	93.74	11930.
Stddev	.1057	.244	.2442	1.015	13.98	91.
%RSD	87.02	8.301	228.3	52.09	14.91	.7614

#1	.2322	2.968	-.0975	1.678	109.8	11920.
#2	.1103	2.688	.3773	1.096	84.07	11850.
#3	.0218	3.175	.0411	3.071	87.39	12030.

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	27130.	1117.	131100.	5.846	4.071	.8317
Stddev	140.	6.	957.	.768	.775	1.474
%RSD	.5141	.5380	.7301	13.13	19.03	177.2

#1	26970.	1110.	131900.	6.686	4.027	-.7326
#2	27160.	1119.	130100.	5.669	3.319	1.034
#3	27240.	1122.	131400.	5.181	4.867	2.194

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44976-i-2-c du Acquired: 9/25/2012 11:47:24 Type: Unk
Method: SW846_092412(v2) 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	-.7711	-.7711	6.223	91.01	171.2	4.477
Stddev	1.434	.5295	.688	1.07	2.6	.669
%RSD	185.9	68.67	11.05	1.172	1.525	14.94
#1	.6291	-1.382	5.560	91.65	172.1	5.145
#2	-.7061	-.4864	6.177	91.61	173.3	4.479
#3	-2.236	-.4449	6.933	89.78	168.3	3.807

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	.4040	469.8	4.187	19310.
Stddev	.3172	2.6	1.775	26.
%RSD	78.52	.5587	42.40	.1343
#1	.1771	470.7	6.080	19280.
#2	.7666	466.9	2.560	19320.
#3	.2685	471.9	3.921	19330.

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	2826.3	45993.	7349.1
Stddev	10.1	502.	26.8
%RSD	.35841	1.0924	.36493
#1	2827.3	46563.	7327.8
#2	2815.7	45803.	7379.2
#3	2835.9	45614.	7340.2

Sample Name: 460-44976-i-2-b Acquired: 9/25/2012 11:51:35 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	66.53	11.01	.9155	106.1	.0157	100700.
Stddev	6.38	.71	1.135	.7	.0530	627.
%RSD	9.591	6.496	124.0	.6407	337.7	.6224
#1	64.14	10.26	2.036	105.4	.0210	101100.
#2	61.69	11.09	-.2341	106.7	-.0397	99990.
#3	73.76	11.68	.9448	106.4	.0658	101100.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1670	2.886	-.4704	3.885	99.49	11900.
Stddev	.1069	.211	.4115	.691	15.49	104.
%RSD	64.01	7.322	87.48	17.77	15.57	.8705
#1	.0630	3.070	-.8042	3.385	85.96	11800.
#2	.1614	2.932	-.0107	4.673	116.4	11890.
#3	.2765	2.655	-.5963	3.597	96.13	12010.

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	27450.	1127.	129200.	6.251	4.222	.2037
Stddev	258.	12.	940.	.351	2.055	.8150
%RSD	.9401	1.057	.7273	5.620	48.66	400.2
#1	27150.	1114.	128400.	6.281	6.383	.0755
#2	27630.	1136.	129000.	5.885	3.992	-.5396
#3	27560.	1132.	130300.	6.586	2.293	1.075

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44976-i-2-b Acquired: 9/25/2012 11:51:35 Type: Unk
Method: SW846_092412(v2) 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	-.3093	-1.905	5.657	92.53	173.7	2.468
Stddev	.9131	1.265	.156	.36	.7	.335
%RSD	295.2	66.42	2.760	.3875	.3796	13.57
#1	-.8520	-3.307	5.598	92.37	173.2	2.618
#2	-.8209	-1.560	5.834	92.94	174.5	2.703
#3	.7449	-.8480	5.539	92.28	173.5	2.085

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	-.3615	466.9	4.847	19390.
Stddev	.3961	4.0	.565	178.
%RSD	109.6	.8587	11.65	.9194
#1	-.6112	462.7	4.197	19190.
#2	-.5686	467.3	5.221	19530.
#3	.0952	470.7	5.122	19460.

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	2826.8	46029.	7439.6
Stddev	19.1	519.	45.5
%RSD	.67412	1.1274	.61204
#1	2848.8	46604.	7467.8
#2	2815.8	45889.	7464.0
#3	2815.7	45594.	7387.1

Sample Name: sd 460-44976-i-2-b@5 Acquired: 9/25/2012 11:55:46 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.923	1.688	.9867	20.90	.1221	19390.
Stddev	8.956	.698	1.660	.15	.0530	81.
%RSD	100.4	41.36	168.2	.7030	43.38	.4190
#1	9.882	1.305	1.899	20.75	.0781	19350.
#2	-.4734	1.265	1.990	21.04	.1073	19490.
#3	17.36	2.494	-.9294	20.91	.1809	19340.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0131	.6808	.1985	-1.893	22.21	2340.
Stddev	.0936	.1420	.0870	5.212	5.58	51.
%RSD	717.1	20.86	43.82	275.3	25.12	2.170
#1	.0960	.7904	.1879	1.363	19.18	2386.
#2	-.0885	.7316	.1173	.8632	28.65	2349.
#3	.0317	.5204	.2903	-7.905	18.81	2285.

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	5476.	225.4	27080.	1.138	.8185	-.4195
Stddev	15.	.6	123.	.175	.5501	1.678
%RSD	.2742	.2562	.4546	15.37	67.21	400.0
#1	5459.	224.8	27160.	.9365	.5857	1.439
#2	5480.	225.6	27140.	1.231	1.447	-1.825
#3	5488.	225.9	26940.	1.247	.4231	-.8720

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-44976-i-2-b@5 Acquired: 9/25/2012 11:55:46 Type: Unk
Method: SW846_092412(v2) 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	-.7485	-1.109	1.124	18.24	33.34	.3872
Stddev	3.417	1.707	.094	.15	.26	.3086
%RSD	456.5	154.0	8.396	.7961	.7738	79.70
#1	-1.697	-2.041	1.033	18.32	33.16	.2322
#2	-3.591	-2.146	1.118	18.32	33.63	.7426
#3	3.043	.8613	1.221	18.07	33.23	.1869

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	-.1765	92.80	.2434	3594.
Stddev	.0472	.80	.7453	23.
%RSD	26.75	.8650	306.2	.6329
#1	-.1608	93.47	.2571	3568.
#2	-.1392	93.02	-.5086	3604.
#3	-.2296	91.91	.9818	3610.

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	2939.2	48104.	7452.5
Stddev	30.6	202.	23.2
%RSD	1.0416	.41976	.31127
#1	2970.7	48282.	7428.3
#2	2937.4	48145.	7454.5
#3	2909.5	47884.	7474.6

Sample Name: 460-44976-i-2-d.ms Acquired: 9/25/2012 12:00:01 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2021.	1953.	49.56	2045.	49.67	115600.
Stddev	7.	7.	.22	10.	.01	347.
%RSD	.3348	.3470	.4537	.5051	.0213	.3004
#1	2024.	1959.	49.30	2056.	49.67	115500.
#2	2013.	1954.	49.65	2045.	49.66	115300.
#3	2026.	1946.	49.72	2035.	49.68	115900.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.22	483.6	194.9	247.3	1069.	31530.
Stddev	.32	1.5	1.8	2.8	16.	88.
%RSD	.6512	.3106	.9266	1.148	1.519	.2790
#1	49.53	484.8	196.9	248.6	1056.	31630.
#2	49.25	484.2	194.3	249.3	1087.	31480.
#3	48.89	482.0	193.4	244.1	1063.	31470.

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	46260.	1582.	145700.	495.1	500.8	478.3
Stddev	253.	10.	403.	2.3	1.8	1.1
%RSD	.5458	.6170	.2763	.4662	.3647	.2384
#1	46460.	1591.	146200.	497.7	502.7	479.3
#2	46360.	1583.	145500.	494.6	500.5	477.1
#3	45980.	1572.	145400.	493.1	499.1	478.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44976-i-2-d ms Acquired: 9/25/2012 12:00:01 Type: Unk
Method: SW846_092412(v2) 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	1938.	2032.	491.1	572.5	664.5	473.6
Stddev	7.	9.	2.7	2.2	1.9	3.2
%RSD	.3798	.4335	.5475	.3914	.2795	.6796
#1	1945.	2041.	493.1	574.8	666.0	476.3
#2	1938.	2032.	492.1	572.5	665.1	474.3
#3	1931.	2023.	488.0	570.3	662.4	470.0

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	496.9	936.2	491.1	18740.
Stddev	3.9	.7	2.4	27.
%RSD	.7862	.0714	.4915	.1460
#1	499.9	936.9	493.2	18740.
#2	498.4	935.8	491.7	18760.
#3	492.5	935.7	488.4	18710.

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	2820.2	45393.	7347.5
Stddev	1.8	146.	16.0
%RSD	.06384	.32120	.21736
#1	2820.1	45453.	7331.6
#2	2818.4	45227.	7363.5
#3	2822.0	45500.	7347.3

Sample Name: pds 460-44976-i-2-b Acquired: 9/25/2012 12:03:56 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1987.	1953.	49.30	2044.	49.54	118500.
Stddev	18.	18.	.48	18.	.15	890.
%RSD	.9007	.8998	.9793	.8746	.3071	.7506

#1	2007.	1958.	49.47	2054.	49.38	119500.
#2	1979.	1967.	49.68	2054.	49.56	118400.
#3	1974.	1933.	48.76	2023.	49.69	117700.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.09	482.4	194.1	246.2	1088.	31560.
Stddev	.36	4.5	.7	.6	14.	161.
%RSD	.7369	.9268	.3690	.2241	1.258	.5088

#1	49.31	484.4	194.9	246.0	1101.	31700.
#2	49.29	485.4	193.5	246.8	1091.	31390.
#3	48.68	477.2	194.0	245.7	1074.	31600.

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	46730.	1602.	147300.	492.4	498.2	482.0
Stddev	44.	1.	452.	5.6	4.4	3.2
%RSD	.0931	.0817	.3067	1.139	.8910	.6644

#1	46760.	1604.	147700.	495.7	499.5	481.1
#2	46750.	1601.	146800.	495.6	501.9	485.5
#3	46680.	1602.	147400.	485.9	493.3	479.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-44976-i-2-b Acquired: 9/25/2012 12:03:56 Type: Unk
Method: SW846_092412(v2) 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	1928.	2029.	486.3	573.2	663.3	471.4
Stddev	15.	15.	.4	5.3	5.0	4.9
%RSD	.7791	.7375	.0757	.9320	.7573	1.048
#1	1936.	2036.	486.4	576.6	666.2	474.8
#2	1936.	2039.	486.0	575.9	666.1	473.6
#3	1910.	2012.	486.7	567.0	657.5	465.8

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	496.6	943.1	490.3	19450.
Stddev	4.5	3.2	2.6	15.
%RSD	.9145	.3385	.5355	.0781
#1	499.7	945.1	492.0	19460.
#2	498.7	939.5	487.3	19440.
#3	491.4	944.9	491.6	19460.

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	2785.9	45298.	7363.6
Stddev	7.6	183.	26.1
%RSD	.27169	.40341	.35459
#1	2781.9	45509.	7333.4
#2	2781.2	45187.	7379.5
#3	2794.6	45199.	7377.7

Sample Name: lcs 460-129119/2-a Acquired: 9/25/2012 12:12:13 Type: QC

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1945.	1908.	47.94	1974.	48.75	19190.
Stddev	2.	6.	1.23	8.	.25	174.
%RSD	.0848	.3375	2.569	.4120	.5116	.9055

#1	1945.	1908.	48.79	1979.	48.95	19270.
#2	1944.	1914.	46.53	1978.	48.84	19310.
#3	1947.	1901.	48.51	1964.	48.47	18990.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.55	490.9	193.3	243.7	973.0	19790.
Stddev	.28	2.7	1.8	1.9	17.0	104.
%RSD	.5729	.5514	.9176	.7622	1.750	.5236

#1	49.72	492.8	195.3	241.5	992.1	19840.
#2	49.71	492.0	192.6	244.6	959.4	19860.
#3	49.22	487.8	191.9	244.9	967.4	19670.

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	20150.	496.4	21330.	499.0	511.7	474.5
Stddev	152.	3.0	138.	2.0	.6	2.9
%RSD	.7536	.6124	.6477	.4081	.1265	.6179

#1	20330.	500.0	21410.	498.8	512.3	476.9
#2	20080.	494.7	21400.	501.2	511.9	475.4
#3	20050.	494.7	21170.	497.1	511.0	471.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-129119/2-a Acquired: 9/25/2012 12:12:13 Type: QC
Method: SW846_092412(v2) 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	1928.	2184.	470.2	487.7	502.1	468.8
Stddev	7.	8.	2.0	2.4	2.0	1.2
%RSD	.3419	.3703	.4201	.5002	.3994	.2578

#1	1930.	2185.	472.3	489.4	503.7	469.1
#2	1934.	2191.	468.3	488.7	502.7	469.8
#3	1921.	2175.	470.1	484.9	499.8	467.5

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	505.4	479.5	476.3	59.61
Stddev	2.0	3.4	3.5	13.84
%RSD	.4033	.7088	.7286	23.21

#1	506.6	481.1	478.4	45.43
#2	506.5	481.7	478.3	73.07
#3	503.0	475.5	472.3	60.33

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	2911.0	47807.	7393.6
Stddev	3.5	153.	2.7
%RSD	.11984	.32080	.03617

#1	2907.0	47686.	7396.6
#2	2913.3	47756.	7391.5
#3	2912.8	47979.	7392.8

Sample Name: CCV Acquired: 9/25/2012 12:16:10 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125400.	2508.	1227.	10100.	1016.	125500.
Stddev	244.	8.	8.	37.	4.	939.
%RSD	.1943	.3102	.6603	.3704	.3615	.7481

#1	125700.	2499.	1233.	10060.	1021.	124500.
#2	125200.	2513.	1218.	10130.	1014.	126300.
#3	125400.	2513.	1230.	10120.	1014.	125900.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1266.	2521.	4925.	12710.	98540.	51310.
Stddev	5.	11.	47.	37.	985.	294.
%RSD	.3816	.4219	.9469	.2895	.9992	.5731

#1	1261.	2510.	4961.	12750.	99290.	51650.
#2	1270.	2531.	4872.	12690.	97430.	51150.
#3	1268.	2523.	4941.	12680.	98910.	51120.

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	123600.	5022.	131100.	2544.	7707.	1017.
Stddev	1131.	47.	701.	8.	21.	1.
%RSD	.9150	.9285	.5345	.3301	.2680	.0773

#1	124200.	5061.	131900.	2537.	7684.	1018.
#2	122200.	4970.	131000.	2553.	7714.	1017.
#3	124200.	5034.	130500.	2543.	7723.	1016.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/25/2012 12:16:10 Type: QC
Method: SW846_092412(v2) 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	2490.	2567.	2453.	2504.	993.9	2537.
Stddev	5.	10.	23.	10.	5.8	8.
%RSD	.1943	.3830	.9396	.4172	.5853	.3096

#1	2485.	2556.	2475.	2492.	987.8	2531.
#2	2494.	2570.	2429.	2513.	994.6	2546.
#3	2492.	2574.	2455.	2506.	999.4	2535.

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	1020.	5151.	10270.	9724.
Stddev	5.	34.	35.	17.
%RSD	.5165	.6616	.3403	.1728

#1	1020.	5126.	10310.	9710.
#2	1026.	5136.	10250.	9742.
#3	1016.	5189.	10250.	9719.

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	2646.5	44321.	7017.8
Stddev	13.4	378.	30.8
%RSD	.50649	.85375	.43934

#1	2660.0	44132.	7030.3
#2	2646.1	44757.	7040.4
#3	2633.2	44074.	6982.6

Sample Name: CCB Acquired: 9/25/2012 12:20:14 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.116	1.009	1.572	.1741	-.0007	1.212
Stddev	15.72	.430	.363	.1781	.1978	4.535
%RSD	307.3	42.65	23.12	102.3	28180.	374.0
#1	11.54	1.136	1.704	-.0293	.2277	4.374
#2	-19.70	.5295	1.161	.2496	-.1194	-3.983
#3	-7.189	1.362	1.851	.3019	-.1104	3.246

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0160	-.1608	-.3390	2.860	-11.84	93.82
Stddev	.0941	.1930	.1882	2.014	5.61	17.46
%RSD	588.2	120.0	55.52	70.44	47.43	18.61
#1	.0968	.0585	-.5271	.5338	-9.256	113.7
#2	-.0874	-.3047	-.3392	4.045	-18.28	86.83
#3	.0385	-.2362	-.1507	4.001	-7.977	80.94

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	1.057	.1777	105.9	-.3951	-.1201	-1.818
Stddev	1.105	.0700	52.6	.1199	1.431	.974
%RSD	104.5	39.37	49.66	30.33	1192.	53.58
#1	1.860	.2034	155.9	-.3785	-1.587	-.8338
#2	1.514	.0986	51.07	-.5224	-.0460	-1.838
#3	-.2031	.2312	110.6	-.2844	1.273	-2.781

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/25/2012 12:20:14 Type: QC
Method: SW846_092412(v2) 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	-1.385	-1.104	-.1121	.2266	2.414	.7427
Stddev	2.003	1.391	.2784	.0600	1.982	.2501
%RSD	144.7	126.0	248.5	26.48	82.10	33.67
#1	-1.376	-2.434	.0993	.2879	4.330	1.004
#2	.6142	.3407	-.0079	.1680	2.540	.7186
#3	-3.393	-1.218	-.4276	.2239	.3722	.5056

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	-.1175	-.0064	.2701	3.546
Stddev	.6259	.1671	.2292	14.14
%RSD	532.5	2631.	84.86	398.8
#1	-.0295	.0923	.0533	-11.08
#2	.4597	.0880	.5100	17.15
#3	-.7828	-.1993	.2471	4.568

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	2913.6	49016.	7241.2
Stddev	14.6	230.	41.9
%RSD	.50080	.46872	.57824
#1	2926.7	49281.	7281.0
#2	2897.9	48889.	7197.5
#3	2916.4	48878.	7245.0

Sample Name: mb 460-129119/1-a Acquired: 9/25/2012 12:24:33 Type: QC

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-20.36	.6685	.7554	.1818	.1410	8.169
Stddev	4.92	1.844	.9737	.1957	.1390	10.16
%RSD	24.18	275.8	128.9	107.6	98.56	124.4

#1	-16.21	1.450	1.834	.2906	.3014	-2.653
#2	-25.80	-1.437	-.0589	.2989	.0634	17.50
#3	-19.08	1.993	.4912	-.0440	.0582	9.660

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0647	-.1209	.5840	-.5182	-4.686	18.72
Stddev	.1641	.1070	.1788	1.723	7.388	46.70
%RSD	253.6	88.50	30.62	332.5	157.6	249.4

#1	.1867	-.2439	.3932	1.077	1.472	65.31
#2	-.1219	-.0497	.7477	-2.345	-2.654	18.94
#3	.1293	-.0690	.6113	-.2859	-12.88	-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	2.863	.1226	82.72	.1304	-1.281	-2.067
Stddev	4.593	.0279	8.84	.3014	.688	1.819
%RSD	160.4	22.73	10.69	231.1	53.72	88.01

#1	1.563	.1537	92.93	.2412	-1.906	-2.426
#2	7.966	.1142	77.36	-.2107	-1.394	-3.680
#3	-.9394	.1000	77.87	.3607	-.5436	-.0952

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-129119/1-a Acquired: 9/25/2012 12:24:33 Type: QC

Method: SW846_092412(v2) 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	-.7259	.6209	.2141	2.253	1.995	-.1386
Stddev	2.156	1.581	.3822	.085	.063	.2717
%RSD	297.0	254.6	178.5	3.782	3.146	196.1

#1	-3.214	-.7489	.6517	2.317	1.937	-.2465
#2	.4556	.2612	-.0542	2.285	1.988	-.3397
#3	.5809	2.351	.0448	2.156	2.062	.1706

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	-.4576	.0268	-.5974	24.66
Stddev	.1663	.0333	.2932	7.89
%RSD	36.35	124.1	49.08	32.01

#1	-.5716	.0519	-.9340	33.76
#2	-.5344	-.0109	-.4607	20.52
#3	-.2667	.0394	-.3975	19.70

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	3008.9	49799.	7434.5
Stddev	1.3	111.	55.4
%RSD	.04227	.22346	.74532

#1	3010.2	49908.	7467.5
#2	3008.9	49804.	7465.5
#3	3007.7	49686.	7370.5

Sample Name: 460-44971-i-2-b Acquired: 9/25/2012 12:28:51 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	66.32	4.460	1.467	80.59	.0402	183000.
Stddev	13.60	.652	.099	1.72	.1291	1814.
%RSD	20.50	14.63	6.763	2.139	321.4	.9913

#1	80.49	3.753	1.575	81.51	.0385	183700.
#2	53.38	4.587	1.381	81.65	-.0881	184300.
#3	65.11	5.039	1.444	78.60	.1701	180900.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0248	.6603	-1.006	.4530	72.14	39610.
Stddev	.1050	.1628	.301	2.499	4.76	158.
%RSD	422.4	24.65	29.89	551.7	6.602	.3978

#1	.0161	.8445	-1.341	-2.372	67.22	39790.
#2	.1339	.6011	-.9176	1.353	76.73	39500.
#3	-.0755	.5355	-.7592	2.378	72.46	39550.

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	45800.	3188.	F 391200.	2.842	1.145	.0878
Stddev	141.	11.	4540.	.395	1.829	2.339
%RSD	.3088	.3297	1.161	13.89	159.7	2663.

#1	45680.	3179.	385900.	2.939	2.561	.8742
#2	45760.	3186.	393600.	3.180	1.794	-2.543
#3	45950.	3200.	394000.	2.408	-.9199	1.932

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44971-i-2-b Acquired: 9/25/2012 12:28:51 Type: Unk
Method: SW846_092412(v2) 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	-0.6720	-3.847	6.275	56.91	356.7	23.39
Stddev	1.883	1.691	.551	1.83	7.7	1.05
%RSD	280.1	43.94	8.780	3.219	2.164	4.476
#1	-1.957	-5.535	6.356	57.71	359.3	24.15
#2	1.489	-3.852	5.688	58.21	362.9	23.82
#3	-1.548	-2.154	6.781	54.81	348.1	22.20

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	-.3930	1436.	5.933	11560.
Stddev	.6486	6.	1.448	151.
%RSD	165.1	.3910	24.40	1.304
#1	.3416	1442.	7.075	11710.
#2	-.6334	1431.	6.419	11580.
#3	-.8871	1436.	4.305	11400.

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	2684.5	42812.	7209.5
Stddev	14.4	308.	52.5
%RSD	.53677	.71926	.72830
#1	2682.5	43147.	7262.8
#2	2671.3	42748.	7208.0
#3	2699.9	42541.	7157.8

Sample Name: 460-44971-i-3-b Acquired: 9/25/2012 12:33:11 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	464.6	9.006	.8055	52.34	-.0046	102500.
Stddev	6.2	1.477	.8099	.77	.0767	536.
%RSD	1.342	16.40	100.5	1.479	1669.	.5233
#1	459.0	10.27	.3923	52.96	.0513	102600.
#2	471.3	9.368	1.739	52.60	.0269	102900.
#3	463.3	7.382	.2856	51.47	-.0920	101900.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0863	2.319	1.446	8.801	801.8	25550.
Stddev	.2636	.422	.622	.886	8.3	127.
%RSD	305.5	18.20	43.03	10.07	1.038	.4977
#1	.3907	1.832	2.153	9.777	804.4	25650.
#2	-.0676	2.573	1.200	8.048	792.5	25600.
#3	-.0643	2.553	.9839	8.577	808.5	25400.

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	44800.	880.9	F 359400.	18.65	16.91	-1.708
Stddev	292.	5.0	2556.	.98	1.19	1.889
%RSD	.6507	.5717	.7111	5.268	7.053	110.6
#1	45090.	885.7	361400.	18.83	18.20	-3.764
#2	44810.	881.2	356500.	19.52	15.86	-.0493
#3	44500.	875.7	360300.	17.58	16.66	-1.310

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44971-i-3-b Acquired: 9/25/2012 12:33:11 Type: Unk
Method: SW846_092412(v2) 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	-1.771	-1.382	5.892	94.29	307.7	9.282
Stddev	1.514	.845	.235	1.64	3.1	.558
%RSD	85.51	61.17	3.985	1.738	1.010	6.016
#1	-3.451	-1.627	6.083	95.16	307.5	9.861
#2	-.5114	-2.078	5.630	95.32	310.9	8.747
#3	-1.351	-.4412	5.964	92.40	304.7	9.238

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	-.0923	739.1	18.12	14160.
Stddev	.2740	2.1	1.21	54.
%RSD	296.9	.2850	6.656	.3823
#1	-.3113	740.6	19.45	14100.
#2	.2149	740.0	17.82	14190.
#3	-.1805	736.7	17.10	14200.

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	2739.3	44319.	7360.0
Stddev	12.5	77.	7.3
%RSD	.45605	.17451	.09962
#1	2752.8	44375.	7356.5
#2	2737.1	44231.	7368.4
#3	2728.1	44351.	7355.1

Sample Name: 460-44973-i-1-b Acquired: 9/25/2012 12:37:32 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	78.02	4.689	.3879	129.3	.0503	221000.
Stddev	16.82	1.241	1.031	2.1	.0691	1832.
%RSD	21.56	26.47	265.9	1.623	137.4	.8288

#1	95.78	5.014	-.2705	130.1	.0231	222400.
#2	75.96	3.318	1.577	130.8	-.0011	218900.
#3	62.32	5.736	-.1424	126.9	.1289	221600.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0286	.2914	-1.434	2.626	132.6	43020.
Stddev	.1287	.1347	.170	3.806	25.0	28.
%RSD	449.1	46.24	11.87	144.9	18.85	.0657

#1	.0865	.3442	-1.301	2.761	155.8	43040.
#2	-.0049	.1382	-1.625	6.363	106.1	43030.
#3	-.1675	.3917	-1.375	-1.246	136.0	42990.

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	58950.	1500.	F 433100.	6.967	.8473	.6349
Stddev	157.	6.	6087.	.869	.2605	1.791
%RSD	.2662	.3824	1.405	12.48	30.74	282.1

#1	59090.	1505.	427100.	7.438	.8478	2.409
#2	58990.	1501.	439300.	7.499	1.107	.6673
#3	58780.	1493.	433000.	5.964	.5865	-1.172

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44973-i-1-b Acquired: 9/25/2012 12:37:32 Type: Unk
Method: SW846_092412(v2) 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	-.8428	-1.980	8.297	19.14	306.1	34.72
Stddev	.5269	3.116	.452	.42	5.2	1.32
%RSD	62.52	157.4	5.452	2.217	1.709	3.791
#1	-1.375	.2438	8.677	19.22	308.8	35.35
#2	-.8331	-.6420	7.796	19.52	309.4	35.61
#3	-.3208	-5.541	8.418	18.68	300.1	33.21

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	-.4488	1740.	8.875	12870.
Stddev	.1922	4.	.894	109.
%RSD	42.82	.2017	10.07	.8495
#1	-.3125	1744.	9.681	12960.
#2	-.6686	1739.	9.031	12910.
#3	-.3653	1737.	7.913	12750.

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	2625.8	42350.	7116.8
Stddev	11.7	90.	41.2
%RSD	.44419	.21163	.57887
#1	2637.9	42453.	7151.6
#2	2614.7	42295.	7127.6
#3	2624.8	42302.	7071.3

Sample Name: 460-44973-i-2-b Acquired: 9/25/2012 12:41:52 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	70.90	1.861	.0754	70.81	-.0016	220300.
Stddev	22.94	.581	.2334	1.43	.1169	2350.
%RSD	32.36	31.23	309.5	2.023	7392.	1.067
#1	94.36	1.234	.3329	71.78	-.1082	221800.
#2	48.51	2.381	.0154	71.48	-.0199	217500.
#3	69.84	1.969	-.1221	69.16	.1234	221400.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1061	.3121	-1.419	.1996	28.18	38070.
Stddev	.0497	.1595	.243	1.278	7.37	39.
%RSD	46.87	51.10	17.16	640.4	26.13	.1026
#1	.1329	.2109	-1.624	1.672	35.75	38080.
#2	.0487	.4960	-1.483	-.4509	21.03	38100.
#3	.1366	.2295	-1.150	-.6225	27.77	38030.

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	56870.	1742.	F 402900.	6.649	2.012	-2.246
Stddev	251.	6.	8377.	.463	1.080	3.526
%RSD	.4406	.3427	2.079	6.964	53.67	157.0
#1	57160.	1749.	405700.	7.176	1.309	-3.879
#2	56780.	1740.	409500.	6.305	3.256	-4.659
#3	56690.	1737.	393500.	6.466	1.472	1.800

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44973-i-2-b Acquired: 9/25/2012 12:41:52 Type: Unk
Method: SW846_092412(v2) 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	.2479	-.8102	3.118	72.57	356.9	20.57
Stddev	.2892	2.664	.287	1.52	5.6	.63
%RSD	116.6	328.9	9.203	2.096	1.583	3.052
#1	-.0730	1.905	3.439	73.58	359.8	20.89
#2	.4883	-.9148	2.885	73.30	360.5	20.98
#3	.3284	-3.421	3.029	70.82	350.4	19.85

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	-.4428	1761.	7.701	13820.
Stddev	.5356	4.	1.126	47.
%RSD	121.0	.2371	14.62	.3388
#1	-.7062	1758.	8.780	13840.
#2	.1736	1759.	7.789	13770.
#3	-.7956	1766.	6.533	13860.

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	2630.9	42558.	7203.7
Stddev	2.3	241.	39.4
%RSD	.08775	.56597	.54694
#1	2630.5	42281.	7248.5
#2	2628.9	42720.	7174.6
#3	2633.4	42673.	7188.0

Sample Name: 460-44973-i-3-b Acquired: 9/25/2012 12:46:12 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	631.4	9.472	.9580	56.94	.0050	103800.
Stddev	9.2	1.047	.4228	1.00	.0309	680.
%RSD	1.457	11.05	44.13	1.755	612.9	.6551
#1	639.2	8.440	.5216	57.21	.0217	103500.
#2	633.7	9.444	.9867	57.78	-.0306	103500.
#3	621.2	10.53	1.366	55.83	.0240	104600.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1719	2.162	2.401	10.04	1119.	25630.
Stddev	.0546	.313	.436	.41	14.	10.
%RSD	31.75	14.49	18.17	4.121	1.260	.0403
#1	.1949	2.444	1.903	9.670	1113.	25630.
#2	.2112	1.825	2.717	9.971	1110.	25620.
#3	.1096	2.217	2.583	10.49	1136.	25640.

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	44220.	880.1	F 347500.	19.11	18.37	-2.148
Stddev	136.	2.0	1428.	.83	1.55	.960
%RSD	.3076	.2216	.4110	4.346	8.452	44.69
#1	44350.	882.4	348200.	19.25	18.04	-3.184
#2	44080.	879.2	348400.	19.86	17.00	-1.290
#3	44240.	878.8	345800.	18.22	20.06	-1.970

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44973-i-3-b Acquired: 9/25/2012 12:46:12 Type: Unk
Method: SW846_092412(v2) 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	-1.709	-6392	6.788	290.4	307.1	9.452
Stddev	2.811	1.749	.520	3.7	3.4	.307
%RSD	164.5	273.7	7.658	1.273	1.123	3.249
#1	-4.854	1.063	6.991	291.8	307.9	9.692
#2	-.8315	-2.432	7.176	293.1	310.0	9.558
#3	.5589	-.5492	6.197	286.2	303.3	9.106

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	-2468	745.4	23.39	14700.
Stddev	.3777	2.0	1.24	87.
%RSD	153.1	.2720	5.311	.5934
#1	.1431	744.2	23.50	14600.
#2	-.6111	747.7	24.58	14780.
#3	-.2724	744.2	22.10	14710.

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	2747.1	44418.	7386.8
Stddev	17.3	381.	9.1
%RSD	.63035	.85705	.12361
#1	2767.0	44548.	7392.3
#2	2739.3	44717.	7376.3
#3	2735.1	43990.	7391.8

Sample Name: 460-44974-i-1-b Acquired: 9/25/2012 12:50:32 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	62.76	4.188	.7704	129.4	.0936	108900.
Stddev	9.16	.459	.4087	.3	.0034	240.
%RSD	14.59	10.96	53.05	.2358	3.617	.2199
#1	56.77	3.794	1.192	129.1	.0972	109000.
#2	73.30	4.079	.7434	129.7	.0931	108700.
#3	58.20	4.692	.3759	129.3	.0905	109200.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0515	1.374	-.7485	1.267	123.4	12480.
Stddev	.1562	.088	.5967	1.715	9.6	121.
%RSD	303.4	6.378	79.72	135.3	7.767	.9665
#1	-.0932	1.373	-1.437	-.6825	131.2	12490.
#2	.2170	1.286	-.3734	2.544	126.4	12350.
#3	.0306	1.461	-.4354	1.941	112.7	12590.

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	26110.	1162.	132000.	2.291	2.895	-.9608
Stddev	272.	12.	1618.	.453	.306	.7667
%RSD	1.040	1.074	1.226	19.77	10.58	79.80
#1	26270.	1169.	133000.	2.680	2.592	-.7658
#2	26270.	1171.	130100.	1.794	3.205	-1.806
#3	25800.	1148.	132900.	2.400	2.889	-.3104

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44974-i-1-b Acquired: 9/25/2012 12:50:32 Type: Unk
Method: SW846_092412(v2) 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	1.089	-2.790	3.331	14.27	202.4	1.686
Stddev	2.271	.771	.243	.03	.3	.120
%RSD	208.5	27.63	7.306	.2277	.1707	7.118
#1	-.0242	-1.939	3.089	14.30	202.2	1.548
#2	3.702	-2.988	3.576	14.25	202.1	1.745
#3	-.4100	-3.443	3.330	14.25	202.8	1.766

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	-.4263	661.5	4.137	16880.
Stddev	.1157	8.4	.908	170.
%RSD	27.15	1.268	21.94	1.008
#1	-.4538	666.1	3.372	16840.
#2	-.5258	651.8	5.140	16740.
#3	-.2993	666.6	3.899	17070.

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	2779.4	45281.	7353.2
Stddev	26.6	186.	83.3
%RSD	.95811	.41144	1.1334
#1	2793.3	45331.	7308.8
#2	2796.3	45075.	7449.3
#3	2748.7	45437.	7301.4

Sample Name: 460-44974-i-3-b Acquired: 9/25/2012 12:58:57 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	839.1	5.653	.5776	32.67	.1057	79740.
Stddev	6.2	.884	.9621	.08	.0597	336.
%RSD	.7398	15.64	166.6	.2389	56.47	.4214
#1	832.4	4.738	.1419	32.75	.0433	80050.
#2	840.2	6.503	-.0897	32.59	.1623	79390.
#3	844.6	5.719	1.680	32.67	.1115	79780.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2047	1.596	4.549	20.51	1654.	11620.
Stddev	.0616	.047	.150	.87	14.	42.
%RSD	30.09	2.967	3.293	4.229	.8627	.3647
#1	.2519	1.571	4.435	21.41	1652.	11610.
#2	.2273	1.567	4.718	19.67	1669.	11580.
#3	.1351	1.651	4.492	20.46	1640.	11670.

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	24360.	400.2	107300.	8.170	40.08	-.3502
Stddev	41.	.8	81.	.175	.83	3.446
%RSD	.1672	.2019	.0751	2.142	2.082	984.1
#1	24330.	399.2	107400.	8.308	39.47	3.627
#2	24410.	400.7	107300.	7.973	41.04	-2.449
#3	24360.	400.5	107300.	8.228	39.74	-2.228

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44974-i-3-b Acquired: 9/25/2012 12:58:57 Type: Unk
Method: SW846_092412(v2) 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	.6561	1.913	19.72	280.9	142.1	1.248
Stddev	1.174	1.917	.74	1.0	1.7	.302
%RSD	178.9	100.2	3.745	.3434	1.181	24.22
#1	-.6350	3.861	20.40	282.0	143.1	1.285
#2	.9440	.0294	19.84	280.3	140.1	1.530
#3	1.659	1.850	18.93	280.3	142.9	.9292

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	.8976	394.0	29.90	19520.
Stddev	.3137	.3	1.11	96.
%RSD	34.95	.0813	3.727	.4907
#1	.5819	393.9	31.07	19540.
#2	1.209	393.7	29.79	19410.
#3	.9015	394.3	28.85	19600.

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	2843.3	46419.	7367.6
Stddev	7.1	134.	23.1
%RSD	.25118	.28951	.31371
#1	2846.0	46488.	7384.6
#2	2848.6	46264.	7341.3
#3	2835.2	46505.	7376.9

Sample Name: 460-44976-i-1-b Acquired: 9/25/2012 13:03:08 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44.64	10.16	.8318	355.3	.0086	120300.
Stddev	17.74	.70	.2304	3.1	.0402	620.
%RSD	39.74	6.893	27.70	.8855	469.7	.5155

#1	62.97	10.74	1.094	355.9	.0210	120500.
#2	27.55	10.35	.7415	358.0	-.0364	120800.
#3	43.41	9.383	.6602	351.8	.0411	119600.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0664	2.108	-.6413	1.576	50.94	11940.
Stddev	.0471	.176	.4849	2.809	4.94	182.
%RSD	70.93	8.361	75.61	178.2	9.699	1.527

#1	.0142	2.277	-.2506	1.609	52.14	11790.
#2	.0792	2.122	-.4894	-1.249	45.51	11900.
#3	.1057	1.925	-1.184	4.369	55.17	12140.

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	32720.	1970.	119400.	4.528	3.273	2.755
Stddev	228.	14.	1876.	.394	1.535	2.420
%RSD	.6956	.7060	1.572	8.706	46.91	87.84

#1	32470.	1955.	117600.	4.979	4.957	3.011
#2	32790.	1973.	119100.	4.356	2.913	.2172
#3	32920.	1982.	121300.	4.248	1.950	5.037

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44976-i-1-b Acquired: 9/25/2012 13:03:08 Type: Unk
Method: SW846_092412(v2) 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	-.7221	-4.034	4.644	7.723	161.6	2.871
Stddev	1.742	2.194	.194	.107	.9	.334
%RSD	241.2	54.39	4.180	1.389	.5623	11.64
#1	.4641	-6.561	4.566	7.745	162.3	2.609
#2	.0916	-2.608	4.865	7.818	161.9	3.248
#3	-2.722	-2.933	4.500	7.606	160.6	2.757

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	-.3576	589.9	4.805	F 20070.
Stddev	.7143	9.8	1.281	98.
%RSD	199.7	1.667	26.66	.4896
#1	.1891	580.6	5.043	20030.
#2	-1.166	588.9	5.951	20180.
#3	-.0962	600.2	3.422	19990.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

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	2783.8	45528.	7267.9
Stddev	11.1	369.	129.4
%RSD	.39992	.81015	1.7810
#1	2788.6	45800.	7384.5
#2	2771.1	45675.	7290.5
#3	2791.8	45108.	7128.6

Sample Name: CCV Acquired: 9/25/2012 13:07:22 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124200.	2490.	1247.	10030.	1006.	124300.
Stddev	1535.	14.	16.	51.	13.	1232.
%RSD	1.236	.5556	1.273	.5058	1.273	.9914

#1	122500.	2505.	1252.	10090.	992.0	125500.
#2	125500.	2485.	1229.	10020.	1017.	123100.
#3	124500.	2479.	1260.	9985.	1009.	124300.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1257.	2503.	5041.	12590.	100800.	50690.
Stddev	8.	17.	74.	145.	1482.	681.
%RSD	.5966	.6822	1.473	1.153	1.470	1.344

#1	1265.	2521.	5074.	12440.	101600.	49910.
#2	1256.	2502.	4956.	12720.	99140.	51200.
#3	1250.	2486.	5093.	12610.	101800.	50950.

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	126200.	5128.	129500.	2524.	7658.	1003.
Stddev	1815.	72.	1782.	20.	38.	10.
%RSD	1.438	1.414	1.376	.7855	.4949	.9821

#1	126900.	5160.	127500.	2544.	7699.	1013.
#2	124200.	5044.	131000.	2523.	7649.	1001.
#3	127600.	5178.	130100.	2504.	7625.	993.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/25/2012 13:07:22 Type: QC
Method: SW846_092412(v2) 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	2476.	2547.	2502.	2487.	984.9	2516.
Stddev	16.	13.	35.	16.	5.0	20.
%RSD	.6548	.4989	1.391	.6546	.5088	.8009
#1	2495.	2561.	2516.	2504.	990.6	2533.
#2	2469.	2541.	2463.	2484.	981.3	2520.
#3	2465.	2538.	2529.	2472.	982.7	2494.

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	1011.	5123.	10160.	9668.
Stddev	8.	90.	130.	21.
%RSD	.8256	1.754	1.279	.2190
#1	1018.	5020.	10010.	9684.
#2	1013.	5184.	10270.	9644.
#3	1002.	5167.	10180.	9675.

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	2647.6	43347.	7072.7
Stddev	9.8	560.	73.5
%RSD	.36956	1.2916	1.0398
#1	2639.6	43175.	7156.8
#2	2658.5	43973.	7020.3
#3	2644.8	42894.	7041.2

Sample Name: CCB Acquired: 9/25/2012 13:11:26 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-15.79	-.1929	.4822	.3981	.1141	10.78
Stddev	17.49	2.053	.3624	.2713	.0402	.79
%RSD	110.8	1064.	75.15	68.17	35.22	7.293
#1	-10.30	2.086	.6626	.7058	.1264	11.63
#2	-1.699	-.7659	.0650	.2950	.1466	10.62
#3	-35.37	-1.899	.7190	.1934	.0692	10.09

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0887	-.0230	.5322	3.404	6.344	-27.60
Stddev	.1297	.1345	.1917	3.893	11.98	35.53
%RSD	146.3	584.6	36.03	114.4	188.9	128.7
#1	-.0309	.0560	.3677	1.520	.6228	12.15
#2	.0702	-.1783	.4861	7.880	-1.705	-56.26
#3	.2266	.0533	.7427	.8118	20.11	-38.70

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	2.937	.3487	145.3	.0558	.0913	-1.225
Stddev	2.650	.1468	25.2	.6109	1.554	.293
%RSD	90.21	42.11	17.36	1095.	1703.	23.91
#1	5.614	.4870	174.4	-.2562	.1300	-.9022
#2	.3153	.3644	128.9	.7597	1.626	-1.300
#3	2.883	.1946	132.7	-.3362	-1.482	-1.474

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/25/2012 13:11:26 Type: QC
Method: SW846_092412(v2) 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	2.987	1.058	.4450	.2191	2.025	.9753
Stddev	1.267	1.692	.1641	.1010	.774	.2035
%RSD	42.41	159.9	36.88	46.09	38.21	20.87
#1	1.693	1.009	.5971	.3304	2.901	1.064
#2	3.043	2.774	.2710	.1938	1.437	1.119
#3	4.224	-.6083	.4668	.1333	1.736	.7425

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	.1277	.3399	1.408	9.248
Stddev	.4439	.2865	1.056	1.814
%RSD	347.6	84.30	74.98	19.61
#1	.6385	.6697	1.573	10.21
#2	-.1650	.1983	.2794	7.156
#3	-.0904	.1517	2.371	10.38

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	2918.4	48642.	7177.1
Stddev	12.8	102.	72.4
%RSD	.43901	.20956	1.0091
#1	2903.7	48727.	7099.5
#2	2925.7	48670.	7242.9
#3	2926.0	48529.	7188.9

Sample Name: 460-44976-i-3-b Acquired: 9/25/2012 13:15:45 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	548.7	5.023	.8404	29.31	.1874	79470.
Stddev	8.4	.610	.3078	.17	.1445	1308.
%RSD	1.539	12.14	36.62	.5676	77.14	1.646
#1	544.8	4.375	.5847	29.39	.0215	78320.
#2	542.8	5.585	.7544	29.43	.2541	80890.
#3	558.3	5.108	1.182	29.12	.2865	79210.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1471	1.298	2.837	6.132	1207.	11370.
Stddev	.1631	.042	.064	.874	5.	101.
%RSD	110.9	3.202	2.249	14.25	.4187	.8858
#1	.0221	1.343	2.859	6.446	1202.	11250.
#2	.3316	1.292	2.765	6.806	1211.	11430.
#3	.0877	1.260	2.887	5.145	1209.	11420.

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	24040.	381.4	105800.	6.366	29.98	-3.304
Stddev	108.	1.6	353.	.355	.55	2.049
%RSD	.4494	.4147	.3333	5.579	1.846	62.01
#1	24150.	383.0	105400.	6.735	30.50	-4.226
#2	24040.	381.4	105900.	6.026	29.40	-4.730
#3	23930.	379.9	106100.	6.338	30.04	-.9565

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44976-i-3-b Acquired: 9/25/2012 13:15:45 Type: Unk
Method: SW846_092412(v2) 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	1.958	-4591	16.74	370.0	141.9	1.452
Stddev	1.254	1.374	.47	3.4	1.9	.286
%RSD	64.05	299.4	2.806	.9305	1.314	19.66
#1	3.341	-8.187	17.23	369.6	142.6	1.230
#2	.8938	-1.618	16.69	373.6	143.2	1.774
#3	1.639	1.059	16.30	366.8	139.7	1.353

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	.5055	388.9	21.64	19160.
Stddev	.3664	2.9	.44	182.
%RSD	72.48	.7487	2.029	.9496
#1	.2481	385.8	21.14	19000.
#2	.9249	389.4	21.80	19130.
#3	.3434	391.5	21.98	19360.

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	2841.2	47138.	7465.7
Stddev	15.4	91.	35.7
%RSD	.54298	.19215	.47815
#1	2858.8	47153.	7486.2
#2	2830.0	47041.	7424.5
#3	2834.9	47220.	7486.5

Sample Name: 460-44977-i-1-b Acquired: 9/25/2012 13:19:57 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	70.24	7.904	.7277	201.9	.0295	98260.
Stddev	11.35	1.155	.3517	1.7	.0598	279.
%RSD	16.15	14.62	48.33	.8507	202.6	.2840
#1	81.32	7.295	.9774	203.6	-.0349	98580.
#2	70.75	7.180	.3255	201.9	.0402	98150.
#3	58.64	9.236	.8802	200.2	.0834	98050.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2414	1.841	-.0675	2.956	93.71	11900.
Stddev	.0765	.460	.3104	2.117	16.38	117.
%RSD	31.70	24.99	459.7	71.62	17.48	.9813
#1	.2636	2.371	.2166	2.360	110.2	11880.
#2	.3043	1.612	-.0205	1.201	77.42	11790.
#3	.1562	1.541	-.3987	5.308	93.52	12020.

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	26030.	1381.	129600.	3.874	3.904	-.7360
Stddev	115.	6.	1354.	.600	2.264	2.037
%RSD	.4413	.3996	1.045	15.50	58.00	276.7
#1	26160.	1386.	129100.	4.551	1.447	-2.253
#2	25940.	1375.	128500.	3.405	4.358	-1.533
#3	25990.	1381.	131100.	3.666	5.906	1.579

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44977-i-1-b Acquired: 9/25/2012 13:19:57 Type: Unk
Method: SW846_092412(v2) 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	.7101	-3.561	4.065	11.26	187.4	1.681
Stddev	.7462	2.128	.159	.31	1.1	.075
%RSD	105.1	59.77	3.904	2.767	.5978	4.437
#1	-1.121	-1.131	4.228	11.53	188.5	1.650
#2	1.345	-4.457	4.054	11.32	187.3	1.627
#3	.8976	-5.094	3.912	10.92	186.3	1.766

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	-.5370	524.3	3.771	18800.
Stddev	.7097	4.3	.824	122.
%RSD	132.2	.8165	21.85	.6476
#1	-.7052	523.7	3.052	18870.
#2	-1.147	520.4	4.670	18660.
#3	.2417	528.9	3.591	18880.

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	2774.9	45323.	7273.5
Stddev	4.9	121.	40.5
%RSD	.17565	.26629	.55675
#1	2772.0	45279.	7303.6
#2	2780.5	45230.	7289.4
#3	2772.1	45459.	7227.4

Sample Name: 460-44978-i-1-b Acquired: 9/25/2012 13:24:09 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	72.43	4.190	1.212	119.4	-.0729	222700.
Stddev	21.35	2.910	1.307	2.8	.0837	1933.
%RSD	29.47	69.43	107.8	2.312	114.9	.8683

#1	95.59	6.787	1.028	121.6	-.1693	221700.
#2	53.54	4.738	.0067	120.3	-.0186	224900.
#3	68.17	1.046	2.601	116.3	-.0307	221400.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0044	.6782	-.8911	2.997	102.2	43600.
Stddev	.0751	.2021	.0931	1.677	17.8	506.
%RSD	1708.	29.79	10.45	55.93	17.43	1.160

#1	.0186	.8937	-.8825	1.837	120.3	44160.
#2	-.0768	.6479	-.8025	4.920	101.7	43440.
#3	.0714	.4930	-.9882	2.236	84.69	43190.

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	59860.	1579.	F 444300.	7.135	.4049	-2.077
Stddev	581.	16.	7950.	.542	1.765	3.092
%RSD	.9700	1.031	1.790	7.601	436.0	148.9

#1	60090.	1585.	450300.	7.761	.5502	-1.176
#2	60290.	1592.	447300.	6.807	2.093	.4647
#3	59200.	1561.	435300.	6.837	-1.428	-5.518

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44978-i-1-b Acquired: 9/25/2012 13:24:09 Type: Unk
 Method: SW846_092412(v2) 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	-1.613	-1.719	7.793	23.95	304.2	34.81
Stddev	1.596	.718	.407	.50	7.4	1.49
%RSD	98.95	41.78	5.225	2.080	2.426	4.271
#1	-3.400	-1.384	7.525	24.29	311.1	35.49
#2	-.3265	-1.230	8.262	24.19	305.1	35.84
#3	-1.114	-2.544	7.592	23.38	296.4	33.11

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	-.7725	1788.	7.282	13020.
Stddev	.7386	18.	1.376	96.
%RSD	95.62	.9934	18.89	.7371
#1	.0782	1807.	8.828	13130.
#2	-1.145	1783.	6.192	12950.
#3	-1.250	1772.	6.826	12990.

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	2621.3	42011.	7020.6
Stddev	5.1	282.	45.0
%RSD	.19607	.67186	.64063
#1	2615.8	41883.	6984.5
#2	2626.1	41816.	7006.2
#3	2621.9	42335.	7071.0

Sample Name: 460-44889-e-2-b@2 Acquired: 9/25/2012 13:28:30 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	100.7	79.97	1.324	42.12	.0328	F 303400.
Stddev	14.5	4.39	.066	1.44	.1075	3770.
%RSD	14.41	5.495	4.954	3.415	328.1	1.243

#1	112.0	82.57	1.353	42.95	.0560	299100.
#2	105.8	82.46	1.249	42.94	-.0844	306000.
#3	84.34	74.90	1.370	40.46	.1268	305100.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2048	5.927	47.64	.5144	62410.	87750.
Stddev	.2914	1.098	1.38	6.140	272.	918.
%RSD	142.3	18.53	2.889	1194.	.4352	1.046

#1	-.2410	6.761	47.52	-5.673	62160.	86700.
#2	.1030	6.336	49.07	.6099	62700.	88340.
#3	-.4763	4.683	46.32	6.606	62360.	88230.

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	F 2175000.	2970.	F 290600.	11.35	-.9681	-5.852
Stddev	12400.	14.	7762.	.98	.8381	1.325
%RSD	.5700	.4856	2.671	8.648	86.57	22.64

#1	2161000.	2953.	282000.	12.43	-1.050	-4.650
#2	2178000.	2977.	292800.	11.08	-1.762	-7.272
#3	2186000.	2979.	297100.	10.52	-.0919	-5.635

Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.		250000.			
Low Limit	-2000.		-5000.			

Sample Name: 460-44889-e-2-b@2 Acquired: 9/25/2012 13:28:30 Type: Unk
Method: SW846_092412(v2) 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	2.259	-5.659	20.15	1.232	F 10400.	1.602
Stddev	1.448	2.756	.53	.084	276.	.708
%RSD	64.07	48.70	2.620	6.784	2.656	44.18
#1	3.876	-5.327	20.21	1.280	10530.	2.381
#2	1.819	-3.084	19.60	1.280	10580.	.9993
#3	1.083	-8.566	20.65	1.135	10080.	1.425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					2000.	
Low Limit					-50.00	

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	1.085	2823.	20.84	10690.
Stddev	.693	27.	1.71	71.
%RSD	63.93	.9642	8.225	.6606
#1	.5147	2791.	18.92	10620.
#2	1.857	2840.	22.22	10760.
#3	.8825	2837.	21.38	10700.
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	2428.2	39022.	7165.9
Stddev	11.5	113.	36.3
%RSD	.47526	.29023	.50650
#1	2416.9	39015.	7206.0
#2	2427.7	39138.	7156.3
#3	2440.0	38912.	7135.3

Sample Name: 460-44889-e-3-b@2 Acquired: 9/25/2012 13:32:59 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34.84	142.3	.6175	83.65	.0576	46280.
Stddev	11.39	1.3	.4805	.41	.1542	452.
%RSD	32.68	.9239	77.83	.4913	267.8	.9759

#1	46.42	142.4	.5530	84.12	.2353	46450.
#2	34.46	140.9	1.127	83.51	-.0417	45760.
#3	23.65	143.5	.1724	83.34	-.0208	46610.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4032	3.363	11.57	-1.139	66210.	7216.
Stddev	.0203	.077	.39	2.159	271.	38.
%RSD	5.023	2.293	3.400	189.6	.4091	.5287

#1	.4213	3.449	11.85	-1.408	66260.	7236.
#2	.4069	3.301	11.12	-3.151	65910.	7240.
#3	.3813	3.339	11.75	1.143	66450.	7172.

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	47030.	2237.	113200.	1.656	-.1110	-1.973
Stddev	286.	11.	1140.	1.854	.0939	.262
%RSD	.6074	.4866	1.007	112.0	84.59	13.27

#1	46990.	2236.	113700.	1.028	-.0542	-1.944
#2	46760.	2226.	114100.	3.742	-.2194	-1.727
#3	47330.	2248.	111900.	.1975	-.0594	-2.248

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44889-e-3-b@2 Acquired: 9/25/2012 13:32:59 Type: Unk
Method: SW846_092412(v2) 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	.0013	-4.701	5.894	1.596	96.89	-.6314
Stddev	2.556	1.892	.545	.084	3.72	.1347
%RSD	192000.	40.24	9.252	5.234	3.843	21.33
#1	1.331	-3.076	5.340	1.690	101.1	-.7268
#2	1.619	-4.250	6.430	1.531	95.64	-.6900
#3	-2.946	-6.778	5.912	1.567	93.95	-.4773

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	.6621	479.7	-2.971	13450.
Stddev	.4552	3.9	.963	71.
%RSD	68.76	.8158	32.41	.5301
#1	.3186	479.8	-2.986	13390.
#2	1.178	483.6	-2.001	13430.
#3	.4892	475.8	-3.927	13530.

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	2816.8	46363.	7337.4
Stddev	13.6	536.	69.6
%RSD	.48251	1.1551	.94919
#1	2811.5	46915.	7293.7
#2	2832.3	46329.	7300.8
#3	2806.7	45846.	7417.7

Sample Name: mb 460-128864/1-f Acquired: 9/25/2012 13:37:10 Type: QC

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-12.23	1.638	.5292	-.1056	-.0135	6.568
Stddev	17.37	1.494	.5785	.0351	.0746	5.591
%RSD	142.0	91.20	109.3	33.26	554.2	85.13

#1	-19.03	.0253	1.081	-.1094	.0027	11.98
#2	-25.16	1.915	.5785	-.0687	-.0948	.8164
#3	7.510	2.975	-.0724	-.1386	.0518	6.903

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0212	.1923	.2149	1.124	.2426	-4.468
Stddev	.1285	.2486	.2618	3.085	16.20	21.25
%RSD	606.7	129.3	121.8	274.5	6676.	475.7

#1	.0400	.3789	.0847	-.0033	15.80	18.98
#2	.0653	-.0899	.5163	4.614	1.457	-22.46
#3	-.1688	.2878	.0438	-1.239	-16.53	-9.927

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	12.95	.1335	201.0	-.4581	-.0039	-.8645
Stddev	10.86	.1315	40.3	.4788	.5518	1.599
%RSD	83.84	98.51	20.05	104.5	14000.	185.0

#1	23.00	.2584	247.0	-.0639	.5521	-1.986
#2	14.42	.1458	171.8	-.3196	-.0125	-1.574
#3	1.433	-.0037	184.3	-.9909	-.5514	.9666

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-128864/1-f Acquired: 9/25/2012 13:37:10 Type: QC
Method: SW846_092412(v2) 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	1.128	.0972	-.0247	.1608	7.619	-.0134
Stddev	1.382	.2864	.1873	.0854	.434	.3021
%RSD	122.5	294.6	758.3	53.10	5.702	2257.
#1	1.647	.4121	.0404	.1717	8.051	-.2979
#2	2.176	-.1475	-.2359	.0705	7.182	.3037
#3	-.4386	.0269	.1214	.2403	7.623	-.0459

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	-.2953	.1428	-1.166	5.016
Stddev	.6209	.1562	.261	7.573
%RSD	210.3	109.4	22.39	151.0
#1	.1870	.2803	-.8742	13.66
#2	-.0769	-.0270	-1.248	1.842
#3	-.9959	.1750	-1.377	-.4548

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	2921.3	49123.	7208.0
Stddev	19.8	218.	11.1
%RSD	.67718	.44475	.15386
#1	2929.7	49297.	7198.1
#2	2898.7	48878.	7220.0
#3	2935.5	49194.	7205.9

Sample Name: mb 460-129002/1-a Acquired: 9/25/2012 13:41:28 Type: QC

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-19.99	-.1603	.7246	.0257	.0795	-.2290
Stddev	9.07	1.617	.4920	.1406	.1398	5.512
%RSD	45.35	1009.	67.91	547.6	175.9	2407.

#1	-30.32	1.623	1.292	-.0986	.0603	-4.908
#2	-13.35	-1.531	.4635	-.0027	-.0498	-1.627
#3	-16.30	-.5737	.4181	.1783	.2279	5.847

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1138	-.2729	.7344	.7484	-4.815	-30.50
Stddev	.1145	.1091	.2323	.7439	12.76	31.88
%RSD	100.6	39.98	31.63	99.39	264.9	104.5

#1	-.1318	-.1498	.9907	.1390	-6.601	6.296
#2	.0086	-.3111	.5377	.5289	8.740	-47.91
#3	-.2182	-.3578	.6748	1.577	-16.58	-49.88

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	-1.282	.0051	132.2	.4616	.7440	-.8625
Stddev	4.555	.0861	19.9	.0949	1.208	2.511
%RSD	355.2	1673.	15.07	20.56	162.4	291.2

#1	-4.750	.0677	142.1	.3521	.9950	-2.786
#2	-2.973	-.0931	145.3	.5211	-.5697	-1.780
#3	3.876	.0409	109.3	.5116	1.807	1.979

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-129002/1-a Acquired: 9/25/2012 13:41:28 Type: QC

Method: SW846_092412(v2) 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	-.1291	.4735	.0221	.0079	5.506	-.0518
Stddev	1.949	3.095	.2017	.0948	.765	.0287
%RSD	1510.	653.7	911.4	1197.	13.89	55.31

#1	.3954	.0687	.1507	-.0978	6.364	-.0246
#2	1.504	3.751	-.2104	.0363	4.894	-.0818
#3	-2.287	-2.399	.1261	.0853	5.260	-.0492

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	-.6073	-.0314	-1.883	3.547
Stddev	.3600	.0583	.973	3.509
%RSD	59.28	185.9	51.69	98.93

#1	-1.022	-.0915	-.8731	-.5025
#2	-.4241	.0249	-2.815	5.686
#3	-.3758	-.0275	-1.961	5.457

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	2910.4	48745.	7162.9
Stddev	32.7	362.	45.0
%RSD	1.1251	.74325	.62844

#1	2947.5	49155.	7213.9
#2	2885.4	48613.	7128.6
#3	2898.4	48468.	7146.3

Sample Name: 460-44830-b-9-b@2 Acquired: 9/25/2012 13:45:46 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.639	2.246	.3830	29.30	.1114	148000.
Stddev	19.09	1.903	.4914	1.33	.1326	2502.
%RSD	723.6	84.75	128.3	4.526	119.0	1.690

#1	24.15	1.452	.0678	30.21	.0789	148400.
#2	-3.917	4.417	.1320	29.92	.2572	150300.
#3	-12.31	.8678	.9491	27.78	-.0019	145400.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0550	-.2300	-.9035	3.748	-44.58	F 134600.
Stddev	.1247	.4085	.2912	1.984	14.61	941.
%RSD	226.6	177.6	32.23	52.93	32.77	.6992

#1	.1517	-.6641	-.9651	6.033	-32.78	135700.
#2	.0991	-.1727	-1.159	2.475	-60.92	134000.
#3	-.0857	.1469	-.5864	2.734	-40.05	134100.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						100000.
Low Limit						-5000.

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 421300.	.2245	F 1117000.	1.628	1.074	-.9128
Stddev	2589.	.0853	1604.	.456	1.774	.4374
%RSD	.6145	37.98	.1436	27.98	165.2	47.92

#1	419900.	.2166	1117000.	2.132	.7835	-.4669
#2	424300.	.3135	1119000.	1.246	-.5372	-1.341
#3	419700.	.1435	1116000.	1.507	2.975	-.9301

Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.		250000.			
Low Limit	-2000.		-5000.			

Sample Name: 460-44830-b-9-b@2 Acquired: 9/25/2012 13:45:46 Type: Unk
Method: SW846_092412(v2) 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	.0008	1.545	.6187	24.79	1403.	3.301
Stddev	.1214	2.620	.2169	1.62	59.	.718
%RSD	15260.	169.6	35.06	6.524	4.201	21.75
#1	.0589	4.568	.8679	25.80	1442.	3.866
#2	-.1387	-.0651	.5161	25.65	1432.	3.543
#3	.0822	.1322	.4722	22.93	1336.	2.493

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	-.4512	2568.	2.741	1402.
Stddev	.6182	19.	.906	37.
%RSD	137.0	.7332	33.05	2.641
#1	-.8915	2589.	2.667	1409.
#2	.2556	2564.	1.874	1435.
#3	-.7176	2552.	3.681	1362.

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	2311.6	36419.	6855.2
Stddev	29.9	274.	54.0
%RSD	1.2935	.75369	.78715
#1	2314.8	36678.	6884.5
#2	2280.2	36447.	6888.1
#3	2339.7	36132.	6792.9

Sample Name: 460-44883-a-1-c@5 Acquired: 9/25/2012 13:50:17 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	79.19	.8752	1.051	47.98	.1741	1310.
Stddev	12.08	2.525	.181	.75	.0172	4.
%RSD	15.25	288.5	17.21	1.560	9.892	.3229

#1	90.26	-.6691	1.247	48.45	.1767	1314.
#2	66.30	-.4944	.8903	48.37	.1899	1306.
#3	81.02	3.789	1.015	47.12	.1557	1311.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0742	.6305	.3646	.9618	10.94	886.7
Stddev	.0385	.3543	.5497	3.770	7.93	142.3
%RSD	51.84	56.19	150.8	392.0	72.55	16.05

#1	.0320	.6911	.4813	4.817	7.224	1029.
#2	.1074	.2498	.8467	.7847	20.05	887.7
#3	.0833	.9505	-.2340	-2.716	5.538	744.0

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	196.0	751.2	F 256400.	1.067	4.049	-1.463
Stddev	2.3	11.4	1328.	.727	1.078	.818
%RSD	1.174	1.516	.5178	68.14	26.63	55.92

#1	193.3	738.1	257900.	1.757	4.926	-2.404
#2	197.1	756.9	255400.	1.137	4.376	-.9220
#3	197.5	758.6	256100.	.3075	2.845	-1.063

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44883-a-1-c@5 Acquired: 9/25/2012 13:50:17 Type: Unk
Method: SW846_092412(v2) 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	1.217	-1.449	.1856	4.804	24.88	-.4783
Stddev	2.580	1.866	.5076	.187	.63	.3660
%RSD	212.1	128.8	273.5	3.892	2.522	76.52
#1	2.166	-3.122	.7592	4.904	25.14	-.5977
#2	3.188	-1.788	.0033	4.919	25.34	-.0675
#3	-1.704	.5635	-.2056	4.588	24.17	-.7696

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	-.1041	6.259	-1.537	112.9
Stddev	.5808	.118	.609	2.2
%RSD	558.0	1.890	39.61	1.954
#1	-.6278	6.309	-1.037	111.0
#2	-.2051	6.343	-2.215	115.3
#3	.5206	6.123	-1.360	112.4

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	2807.1	45944.	7401.3
Stddev	24.0	205.	92.7
%RSD	.85420	.44606	1.2529
#1	2785.0	46179.	7304.1
#2	2803.8	45843.	7411.0
#3	2832.6	45808.	7488.8

Sample Name: lcs 460-129209/2-a Acquired: 9/25/2012 13:54:35 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5510.	5289.	524.1	11370.	1145.	22210.
Stddev	28.	69.	11.5	150.	9.	306.
%RSD	.5173	1.299	2.185	1.318	.7510	1.376

#1	5528.	5235.	534.0	11240.	1150.	21920.
#2	5525.	5366.	511.5	11530.	1151.	22530.
#3	5477.	5264.	526.7	11320.	1135.	22170.

Check ?	None	Chk Pass	None	None	None	None
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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1194.	1196.	5492.	1158.	1128.	22910.
Stddev	16.	17.	132.	8.	28.	122.
%RSD	1.378	1.393	2.407	.7125	2.506	.5328

#1	1181.	1183.	5608.	1164.	1144.	23010.
#2	1212.	1214.	5348.	1161.	1096.	22950.
#3	1189.	1190.	5521.	1149.	1145.	22770.

Check ?	None	None	Chk Pass	Chk Pass	None	None
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	23090.	1164.	24740.	1223.	6011.	1129.
Stddev	532.	28.	276.	17.	77.	20.
%RSD	2.302	2.396	1.116	1.390	1.273	1.798

#1	23600.	1189.	25000.	1211.	5950.	1113.
#2	22540.	1134.	24770.	1242.	6096.	1152.
#3	23150.	1170.	24450.	1216.	5986.	1123.

Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Sample Name: lcs 460-129209/2-a Acquired: 9/25/2012 13:54:35 Type: QC
Method: SW846_092412(v2) 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	1140.	1296.	542.0	1173.	1178.	1113.
Stddev	12.	21.	12.3	16.	19.	16.
%RSD	1.048	1.592	2.260	1.372	1.625	1.410

#1	1130.	1278.	552.0	1160.	1160.	1101.
#2	1154.	1319.	528.3	1191.	1198.	1131.
#3	1137.	1292.	545.8	1168.	1175.	1109.

Check ?	Chk Pass	None	None	Chk Pass	None	None
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	857.5	1159.	1019.	25.37
Stddev	11.3	8.	8.	12.75
%RSD	1.320	.6767	.8045	50.27

#1	849.9	1163.	1023.	20.86
#2	870.5	1164.	1024.	15.48
#3	852.0	1150.	1010.	39.77

Check ?	None	None	None	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	2885.8	48724.	7588.3
Stddev	20.3	643.	71.9
%RSD	.70241	1.3200	.94776

#1	2909.2	48091.	7506.8
#2	2872.8	49377.	7615.3
#3	2875.6	48705.	7642.8

Sample Name: CCV Acquired: 9/25/2012 13:58:33 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125300.	2494.	1246.	10030.	1017.	124800.
Stddev	1031.	21.	8.	74.	9.	386.
%RSD	.8234	.8468	.6240	.7361	.8482	.3093

#1	126200.	2514.	1240.	10100.	1024.	125100.
#2	124100.	2496.	1242.	10030.	1007.	124900.
#3	125500.	2472.	1254.	9955.	1021.	124300.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1257.	2508.	5037.	12690.	100700.	51170.
Stddev	11.	24.	31.	95.	612.	428.
%RSD	.8375	.9467	.6117	.7496	.6071	.8366

#1	1267.	2530.	5023.	12780.	100400.	51560.
#2	1258.	2511.	5017.	12590.	100400.	50710.
#3	1246.	2483.	5073.	12700.	101400.	51250.

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	125800.	5112.	130400.	2524.	7642.	1004.
Stddev	963.	36.	1030.	23.	54.	10.
%RSD	.7654	.6995	.7896	.9205	.7108	.9816

#1	125200.	5090.	131200.	2546.	7698.	1013.
#2	125300.	5093.	129200.	2527.	7638.	1006.
#3	126900.	5153.	130800.	2500.	7589.	993.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/25/2012 13:58:33 Type: QC
Method: SW846_092412(v2) 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	2476.	2535.	2500.	2484.	989.7	2516.
Stddev	16.	16.	20.	22.	6.4	23.
%RSD	.6573	.6134	.7935	.8897	.6512	.9070

#1	2491.	2552.	2485.	2507.	997.1	2538.
#2	2477.	2530.	2491.	2483.	986.7	2519.
#3	2459.	2522.	2522.	2463.	985.3	2492.

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	1010.	5222.	10260.	9762.
Stddev	11.	48.	74.	38.
%RSD	1.128	.9160	.7179	.3863

#1	1020.	5277.	10310.	9719.
#2	1012.	5200.	10170.	9776.
#3	997.7	5190.	10290.	9790.

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	2691.5	44552.	7189.1
Stddev	13.0	403.	116.7
%RSD	.48326	.90507	1.6233

#1	2678.2	44949.	7091.0
#2	2704.2	44563.	7318.2
#3	2692.0	44143.	7158.2

Sample Name: CCB Acquired: 9/25/2012 14:02:36 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.665	.7231	.8863	.6239	.0312	7.297
Stddev	17.39	.5063	.2601	.4008	.0729	9.209
%RSD	372.8	70.02	29.34	64.25	233.7	126.2

#1	6.484	1.196	.6371	.7026	.1040	17.23
#2	4.225	.1889	1.156	.9796	.0313	-.9566
#3	-24.70	.7843	.8659	.1896	-.0417	5.618

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1037	-.0849	.3949	2.466	3.835	82.65
Stddev	.1819	.2769	.3617	5.500	16.51	46.03
%RSD	175.3	326.2	91.60	223.1	430.7	55.70

#1	.2258	.0399	.5413	7.958	21.06	133.1
#2	.1907	-.4022	-.0171	2.483	-11.86	72.03
#3	-.1053	.1077	.6604	-3.043	2.298	42.85

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	4.488	.2747	209.3	-.2291	1.102	-1.420
Stddev	3.883	.1580	65.7	.7583	.243	1.549
%RSD	86.52	57.51	31.38	331.0	22.06	109.1

#1	8.739	.4565	284.9	.5459	.9090	.2256
#2	3.597	.1978	176.9	-.2636	1.022	-1.635
#3	1.128	.1699	166.1	-.9695	1.375	-2.849

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/25/2012 14:02:36 Type: QC
Method: SW846_092412(v2) 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	-.4361	.3837	.0300	.2784	4.240	.8613
Stddev	2.003	1.668	.2979	.0597	.612	.5042
%RSD	459.2	434.7	993.4	21.44	14.43	58.54
#1	-1.157	2.177	-.2834	.2717	4.945	1.434
#2	-1.978	.0953	.0639	.3412	3.932	.6636
#3	1.827	-1.121	.3094	.2224	3.844	.4860

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	-.2625	.3550	-.6379	5.979
Stddev	.7275	.3805	1.260	13.61
%RSD	277.1	107.2	197.5	227.5
#1	.5771	.7396	-.8848	17.95
#2	-.6587	.3467	.7274	-8.820
#3	-.7060	-.0213	-1.756	8.811

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	2963.5	49806.	7381.2
Stddev	15.1	263.	55.8
%RSD	.50972	.52774	.75571
#1	2980.5	49511.	7324.5
#2	2958.4	50015.	7383.2
#3	2951.6	49893.	7436.0

Sample Name: mb 460-129209/1-a Acquired: 9/25/2012 14:06:55 Type: QC

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-13.80	-1.520	1.153	.5216	.0368	14.34
Stddev	3.57	2.005	.588	.1237	.0295	4.02
%RSD	25.88	131.9	50.99	23.72	80.14	28.01

#1	-14.01	-1.016	1.051	.6374	.0107	14.49
#2	-10.12	.1848	.6229	.5362	.0309	10.25
#3	-17.26	-3.728	1.786	.3912	.0688	18.29

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0547	-.2828	.5647	-1.585	-.8490	-13.60
Stddev	.0552	.2154	.0490	3.683	4.410	18.53
%RSD	100.9	76.16	8.675	232.4	519.5	136.2

#1	-.0212	-.1773	.5653	2.662	-4.617	7.711
#2	-.0245	-.1405	.6134	-3.516	-1.933	-22.61
#3	-.1185	-.5306	.5154	-3.902	4.002	-25.91

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	-1.111	.1660	134.8	-.6672	1.604	-2.741
Stddev	5.264	.0884	41.8	.5703	.216	2.190
%RSD	474.0	53.28	31.01	85.48	13.48	79.90

#1	-5.781	.2377	181.3	-1.159	1.389	-4.379
#2	4.594	.0672	123.2	-.8008	1.603	-3.589
#3	-2.144	.1932	100.1	-.0420	1.821	-.2537

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-129209/1-a Acquired: 9/25/2012 14:06:55 Type: QC

Method: SW846_092412(v2) 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	-.0387	-.7490	-.2182	.9665	3.445	.2338
Stddev	2.536	1.790	.2533	.1377	.371	.3236
%RSD	6559.	239.1	116.1	14.25	10.78	138.4

#1	2.428	.7833	-.4485	1.097	3.687	.5694
#2	.0935	-.3131	-.2594	.9795	3.018	-.0763
#3	-2.638	-2.717	.0531	.8228	3.630	.2083

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	.2145	.0608	-2.006	-2.642
Stddev	.2389	.0930	.439	15.68
%RSD	111.4	152.9	21.89	593.3

#1	.3893	.1668	-1.792	-18.27
#2	-.0578	.0227	-2.511	-2.726
#3	.3119	-.0071	-1.715	13.08

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	2964.4	50385.	7400.6
Stddev	11.6	263.	16.8
%RSD	.39156	.52223	.22741

#1	2956.8	50402.	7381.8
#2	2977.8	50114.	7414.3
#3	2958.7	50639.	7405.6

Sample Name: lb 460-128680/1-g@5 Acquired: 9/25/2012 14:11:12 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-16.03	.1583	.6648	.6261	-.0506	85.51
Stddev	8.15	1.207	.2793	.2387	.0584	9.69
%RSD	50.88	762.5	42.01	38.13	115.5	11.33

#1	-13.99	.0819	.8707	.5524	-.0026	74.45
#2	-25.01	1.402	.7769	.8930	-.1156	92.52
#3	-9.087	-1.009	.3469	.4330	-.0334	89.56

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0229	-.1017	-.1651	4.733	-17.04	34.88
Stddev	.0373	.0530	.2206	.859	2.86	37.32
%RSD	162.5	52.14	133.6	18.15	16.76	107.0

#1	-.0051	-.1628	.0086	4.963	-13.76	62.02
#2	.0652	-.0754	-.0906	3.782	-18.96	50.31
#3	.0087	-.0670	-.4133	5.453	-18.41	-7.681

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	14.44	.0952	F 261600.	1.438	2.163	-1.957
Stddev	3.40	.0502	694.	.757	.388	2.132
%RSD	23.52	52.74	.2652	52.66	17.93	108.9

#1	10.80	.1522	260800.	.8935	2.063	-.6652
#2	17.53	.0573	262100.	2.303	2.591	-4.418
#3	14.98	.0761	261800.	1.118	1.835	-.7885

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: lb 460-128680/1-g@5 Acquired: 9/25/2012 14:11:12 Type: Unk
Method: SW846_092412(v2) 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	1.057	-1.978	-1.630	2.066	7.590	-0.0980
Stddev	1.146	1.031	.2437	.211	.342	.4877
%RSD	108.5	52.13	149.5	10.20	4.510	497.7
#1	-.2620	-3.163	-.3663	2.279	7.632	-.6214
#2	1.814	-1.287	-.2300	2.061	7.910	-.0162
#3	1.619	-1.484	.1071	1.857	7.229	.3436

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	-.0258	.3357	-.0732	23.59
Stddev	.1572	.0301	.3557	11.84
%RSD	608.4	8.964	486.2	50.17
#1	.1029	.3256	.3228	22.03
#2	.0205	.3119	-.3655	12.61
#3	-.2010	.3695	-.1767	36.13

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	2805.9	45358.	7410.9
Stddev	12.4	43.	39.7
%RSD	.44052	.09544	.53557
#1	2815.9	45326.	7437.3
#2	2809.8	45407.	7430.1
#3	2792.1	45342.	7365.2

Sample Name: Ib 460-129034/1-b@5 Acquired: 9/25/2012 14:15:39 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-26.39	1.699	1.109	.7448	-.0296	65.23
Stddev	16.84	1.447	.332	.0863	.0106	9.17
%RSD	63.79	85.14	29.94	11.59	35.69	14.06

#1	-9.922	1.351	.7267	.8444	-.0189	58.22
#2	-43.57	3.288	1.321	.6975	-.0401	75.60
#3	-25.68	.4581	1.280	.6924	-.0299	61.86

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0857	-.3832	.7191	3.578	-5.572	16.13
Stddev	.1081	.2569	.2863	3.493	11.27	15.62
%RSD	126.2	67.04	39.82	97.61	202.3	96.85

#1	-.1200	-.3758	.3953	7.371	-7.210	21.04
#2	-.1724	-.1301	.9389	2.870	-15.93	28.69
#3	.0354	-.6438	.8232	.4937	6.429	-1.359

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	11.55	.2448	F 274300.	1.559	-.3991	-2.027
Stddev	3.80	.0453	2560.	.250	.5233	.373
%RSD	32.92	18.50	.9330	16.05	131.1	18.41

#1	14.42	.2379	276600.	1.785	-.3485	-1.769
#2	12.99	.2033	274800.	1.290	.0971	-1.857
#3	7.240	.2931	271600.	1.600	-.9459	-2.455

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: lb 460-129034/1-b@5 Acquired: 9/25/2012 14:15:39 Type: Unk
Method: SW846_092412(v2) 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	-.2900	-.0137	.0530	2.394	5.586	-.1419
Stddev	2.162	.8001	.3020	.058	.460	.2661
%RSD	745.5	5835.	569.5	2.403	8.226	187.4
#1	1.565	-.0713	-.1775	2.330	6.111	-.0949
#2	.2297	-.7835	.3948	2.408	5.262	.0974
#3	-2.665	.8136	-.0582	2.443	5.383	-.4284

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	.5132	.1991	-.3137	16.09
Stddev	.7062	.0637	.6920	7.17
%RSD	137.6	32.00	220.6	44.57
#1	.2543	.2712	.2484	16.13
#2	-.0269	.1504	-.1028	23.24
#3	1.312	.1756	-1.087	8.901

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	2748.3	44412.	7239.5
Stddev	9.4	68.	74.6
%RSD	.34067	.15294	1.0303
#1	2749.0	44476.	7279.9
#2	2757.2	44341.	7153.4
#3	2738.6	44420.	7285.2

Sample Name: lb 460-129087/1-b@5 Acquired: 9/25/2012 14:20:07 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.677	-1.064	.6912	2.036	-.0125	429.9
Stddev	18.54	2.304	.4453	.340	.0588	2.7
%RSD	396.3	216.5	64.43	16.69	469.1	.6319

#1	1.697	1.100	1.191	1.865	-.0741	431.2
#2	-25.56	-.8056	.3353	2.428	.0429	431.7
#3	9.832	-3.486	.5476	1.816	-.0064	426.8

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0409	-.3025	1.143	1.946	2.515	-18.22
Stddev	.0664	.2529	.353	.991	3.471	38.31
%RSD	162.3	83.60	30.92	50.95	138.0	210.2

#1	.0435	-.2796	.9089	1.132	5.143	-61.61
#2	-.0267	-.5660	1.550	3.050	-1.419	-4.023
#3	.1060	-.0618	.9713	1.655	3.822	10.96

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	59.75	.6857	2236.	.9964	1.247	-.8707
Stddev	3.04	.0453	96.	.4130	.816	1.733
%RSD	5.083	6.611	4.274	41.45	65.43	199.0

#1	57.50	.6845	2340.	.5319	2.162	.9265
#2	63.20	.6411	2215.	1.322	.5939	-1.007
#3	58.55	.7317	2152.	1.135	.9859	-2.531

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lb 460-129087/1-b@5 Acquired: 9/25/2012 14:20:07 Type: Unk
Method: SW846_092412(v2) 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	1.623	-1.315	-.0059	30.11	17.93	-.1007
Stddev	.698	1.234	.1972	.33	.78	.3617
%RSD	43.02	93.79	3353.	1.097	4.369	359.3
#1	2.192	-1.659	.2113	30.19	17.82	-.5119
#2	.8439	.0536	-.1737	30.39	18.76	.1682
#3	1.832	-2.341	-.0553	29.74	17.20	.0416

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	-.1168	.8311	-2.998	32.79
Stddev	.1948	.0371	.962	11.27
%RSD	166.7	4.462	32.09	34.35
#1	-.1549	.8737	-2.097	43.52
#2	.0942	.8068	-2.887	33.80
#3	-.2897	.8127	-4.011	21.06

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	2978.6	50184.	7473.5
Stddev	20.1	132.	35.2
%RSD	.67332	.26334	.47125
#1	3001.6	50108.	7432.9
#2	2964.7	50108.	7493.6
#3	2969.6	50337.	7494.2

Sample Name: 460-44927-a-2-c du@5 Acquired: 9/25/2012 14:24:23 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	112.4	.8551	.3638	52.02	-.0212	145100.
Stddev	20.4	.3743	.3755	1.28	.0570	1279.
%RSD	18.16	43.77	103.2	2.460	269.4	.8811

#1	135.9	1.011	.4870	53.21	.0162	146000.
#2	102.7	.4280	-.0578	52.19	-.0867	143700.
#3	98.65	1.126	.6622	50.67	.0070	145600.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0236	-.2888	4.898	1.559	42.57	1857.
Stddev	.0529	.3243	.536	2.991	11.31	34.
%RSD	224.7	112.3	10.93	191.9	26.57	1.830

#1	.0837	-.1455	4.339	3.345	40.09	1889.
#2	-.0159	-.0608	5.407	3.225	32.70	1821.
#3	.0029	-.6600	4.948	-1.894	54.92	1861.

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	57.29	.9176	F 261800.	.7965	.3122	-.9436
Stddev	1.74	.0612	1860.	.5333	.7205	.8149
%RSD	3.033	6.666	.7103	66.95	230.8	86.37

#1	55.63	.8770	260100.	.2043	1.137	-1.185
#2	57.16	.9879	261500.	1.239	-.0094	-.0353
#3	59.09	.8878	263800.	.9468	-.1916	-1.611

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44927-a-2-c du@5 Acquired: 9/25/2012 14:24:23 Type: Unk
Method: SW846_092412(v2) 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	1.933	-.6465	.6481	.4200	12.44	-.1105
Stddev	.485	.6694	.4200	.0435	.27	.2171
%RSD	25.11	103.6	64.80	10.36	2.145	196.4
#1	2.423	.1072	.1950	.4659	12.69	-.0546
#2	1.453	-.8747	1.024	.4145	12.46	-.3501
#3	1.924	-1.172	.7250	.3794	12.16	.0732

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	.2286	655.3	5.925	4218.
Stddev	.8594	12.1	.628	33.
%RSD	376.0	1.840	10.59	.7704
#1	-.5739	643.3	5.315	4246.
#2	1.135	667.4	5.891	4226.
#3	.1242	655.2	6.570	4183.

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	2696.9	43717.	7208.7
Stddev	9.6	783.	138.6
%RSD	.35419	1.7902	1.9224
#1	2695.1	44552.	7366.3
#2	2707.3	43597.	7106.1
#3	2688.5	43000.	7153.6

Sample Name: 460-44927-a-2-b@5 Acquired: 9/25/2012 14:28:46 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	103.8	.3075	.6885	52.51	.0408	145800.
Stddev	23.8	1.185	.5899	1.55	.0401	172.
%RSD	22.93	385.3	85.68	2.948	98.19	.1176

#1	127.3	-.1502	.6925	53.62	.0241	145900.
#2	79.69	-.5800	1.276	53.16	.0865	145900.
#3	104.5	1.653	.0966	50.74	.0118	145600.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0732	-.2380	5.214	3.136	38.25	1852.
Stddev	.0889	.1196	.391	3.004	13.18	20.
%RSD	121.6	50.27	7.502	95.79	34.47	1.098

#1	.0015	-.3350	4.790	-.2876	51.43	1831.
#2	.0452	-.1043	5.561	5.330	38.25	1853.
#3	.1727	-.2746	5.290	4.364	25.06	1871.

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	55.04	1.061	F 268600.	-.2255	.8719	-2.621
Stddev	3.25	.053	2171.	1.189	1.056	1.349
%RSD	5.913	4.958	.8084	527.2	121.2	51.45

#1	51.48	1.004	270900.	-1.064	.1915	-1.192
#2	57.86	1.074	268300.	1.135	.3353	-2.800
#3	55.78	1.107	266600.	-.7472	2.089	-3.872

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44927-a-2-b@5 Acquired: 9/25/2012 14:28:46 Type: Unk
Method: SW846_092412(v2) 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	.3646	1.135	1.108	1.419	11.59	.1005
Stddev	.6661	.253	.468	.081	.25	.2771
%RSD	182.7	22.30	42.22	5.725	2.169	275.7

#1	-.3515	1.105	.6132	1.485	11.73	-.1243
#2	.9658	.8981	1.168	1.443	11.30	.0157
#3	.4794	1.401	1.543	1.328	11.73	.4101

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	-.0519	657.0	6.981	4214.
Stddev	.6883	10.2	.644	56.
%RSD	1327.	1.555	9.220	1.327

#1	.1386	668.6	7.228	4278.
#2	.5212	652.8	7.466	4183.
#3	-.8154	649.6	6.251	4180.

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	2674.6	43860.	7164.1
Stddev	6.8	545.	86.7
%RSD	.25551	1.2424	1.2101

#1	2666.7	44464.	7070.5
#2	2678.7	43711.	7180.2
#3	2678.5	43404.	7241.6

Sample Name: 460-44927-a-2-d ms@5 Acquired: 9/25/2012 14:37:24 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1192.	1087.	106.2	2311.	232.8	149500.
Stddev	9.	3.	2.1	6.	1.5	1174.
%RSD	.7235	.2513	1.936	.2590	.6655	.7857

#1	1198.	1088.	108.5	2308.	232.9	149800.
#2	1182.	1083.	104.7	2307.	231.1	150400.
#3	1197.	1088.	105.3	2318.	234.2	148200.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	238.3	234.7	1111.	232.9	258.3	6493.
Stddev	.4	.4	14.	1.9	16.0	72.
%RSD	.1699	.1637	1.272	.8164	6.201	1.106

#1	238.3	235.1	1127.	230.7	241.5	6514.
#2	237.9	234.4	1103.	234.0	273.4	6414.
#3	238.7	234.6	1102.	234.0	260.1	6553.

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	4462.	234.3	F 268500.	239.1	1157.	219.2
Stddev	50.	3.0	4287.	.5	5.	1.5
%RSD	1.127	1.276	1.597	.2058	.4561	.6862

#1	4520.	237.7	268800.	239.6	1156.	217.5
#2	4433.	232.2	264100.	238.6	1152.	219.8
#3	4432.	232.9	272700.	239.1	1163.	220.3

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44927-a-2-d ms@5 Acquired: 9/25/2012 14:37:24 Type: Unk
Method: SW846_092412(v2) 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	227.5	238.5	113.2	239.6	234.1	225.8
Stddev	2.8	2.0	1.2	.2	1.6	.8
%RSD	1.225	.8553	1.050	.0806	.7013	.3350
#1	230.7	240.5	114.6	239.4	234.5	226.4
#2	225.9	236.5	112.6	239.5	232.3	226.1
#3	226.0	238.5	112.4	239.8	235.5	225.0

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	169.1	887.1	216.9	4316.
Stddev	1.2	7.2	2.5	42.
%RSD	.6837	.8164	1.155	.9748
#1	170.3	886.7	216.6	4274.
#2	168.9	880.1	214.5	4315.
#3	168.0	894.5	219.5	4358.

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	2648.9	44010.	7121.0
Stddev	14.5	299.	75.2
%RSD	.54662	.67849	1.0563
#1	2660.3	43684.	7108.4
#2	2653.7	44270.	7201.7
#3	2632.6	44076.	7052.9

Sample Name: pds 460-44927-a-2-b@ Acquired: 9/25/2012 14:41:33 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4939.	4799.	476.2	10090.	1009.	166400.
Stddev	13.	66.	8.1	142.	3.	1294.
%RSD	.2696	1.384	1.697	1.403	.2736	.7776

#1	4930.	4825.	483.9	10150.	1012.	166800.
#2	4954.	4848.	476.7	10190.	1010.	167400.
#3	4932.	4723.	467.8	9928.	1006.	164900.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1037.	1026.	5013.	1015.	1051.	22100.
Stddev	14.	17.	93.	5.	23.	61.
%RSD	1.360	1.611	1.863	.4989	2.158	.2768

#1	1042.	1033.	5101.	1017.	1074.	22060.
#2	1048.	1038.	5021.	1020.	1050.	22070.
#3	1021.	1007.	4915.	1010.	1029.	22170.

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	19780.	1041.	F 281100.	1049.	5082.	1017.
Stddev	359.	18.	4121.	17.	59.	13.
%RSD	1.815	1.727	1.466	1.641	1.157	1.279

#1	20140.	1058.	283200.	1058.	5102.	1024.
#2	19770.	1042.	276400.	1061.	5127.	1024.
#3	19420.	1022.	283800.	1030.	5015.	1002.

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: pds 460-44927-a-2-b@ Acquired: 9/25/2012 14:41:33 Type: Unk
Method: SW846_092412(v2) 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	1011.	1032.	503.2	1031.	1007.	1012.
Stddev	10.	13.	7.1	16.	11.	16.
%RSD	.9713	1.255	1.413	1.537	1.118	1.621
#1	1011.	1038.	509.8	1038.	1011.	1018.
#2	1021.	1040.	504.0	1043.	1016.	1024.
#3	1001.	1017.	495.7	1013.	994.5	993.0

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	658.8	1674.	928.6	4326.
Stddev	12.6	4.	2.6	38.
%RSD	1.909	.2159	.2786	.8728
#1	663.3	1678.	928.2	4326.
#2	668.6	1673.	931.4	4363.
#3	644.6	1671.	926.3	4288.

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	2623.7	42936.	7080.2
Stddev	28.3	643.	34.0
%RSD	1.0772	1.4977	.48017
#1	2614.6	42215.	7042.9
#2	2601.0	43145.	7088.4
#3	2655.4	43449.	7109.4

Sample Name: 460-43737-a-1-g@5 Acquired: 9/25/2012 14:45:38 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	75.70	1.070	1.195	133.1	.4566	5773.
Stddev	26.59	.472	.734	1.9	.1171	19.
%RSD	35.13	44.08	61.40	1.439	25.64	.3302

#1	92.22	1.489	.3794	134.5	.3629	5771.
#2	45.03	.5592	1.801	133.9	.4189	5756.
#3	89.87	1.161	1.404	130.9	.5878	5794.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7522	23.10	.8989	3.413	45.74	462.9
Stddev	.1480	.58	.6740	4.405	8.15	41.9
%RSD	19.67	2.497	74.98	129.1	17.81	9.061

#1	.5846	23.17	1.444	8.280	36.52	484.4
#2	.8649	23.63	1.108	-.2994	51.97	489.8
#3	.8070	22.49	.1452	2.258	48.74	414.6

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	1456.	1585.	F 257700.	31.39	3.124	-2.619
Stddev	21.	30.	4557.	.54	.306	.792
%RSD	1.418	1.886	1.768	1.724	9.792	30.24

#1	1433.	1551.	258400.	31.42	2.874	-1.704
#2	1464.	1598.	252900.	31.91	3.032	-3.081
#3	1472.	1606.	261900.	30.83	3.465	-3.071

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-43737-a-1-g@5 Acquired: 9/25/2012 14:45:38 Type: Unk
Method: SW846_092412(v2) 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	.3520	-1.636	.3619	320.8	29.75	-.0115
Stddev	.6577	2.388	.4432	6.0	.47	.1755
%RSD	186.9	146.0	122.5	1.881	1.565	1527.
#1	.8855	-.4951	-.0413	325.1	30.27	.1300
#2	.5534	-4.381	.2905	323.3	29.63	-.2079
#3	-.3829	-.0322	.8365	313.9	29.36	.0434

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	-.0140	40.76	1.681	660.6
Stddev	.4042	.27	.631	14.8
%RSD	2897.	.6704	37.56	2.246
#1	-.0458	40.47	2.148	645.7
#2	-.4013	40.81	.9625	660.6
#3	.4052	41.01	1.931	675.4

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	2768.0	44750.	7166.2
Stddev	19.6	497.	59.1
%RSD	.70813	1.1099	.82537
#1	2773.8	45316.	7144.7
#2	2784.0	44546.	7233.0
#3	2746.1	44387.	7120.7

Sample Name: CCV Acquired: 9/25/2012 14:49:59 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126100.	2501.	1228.	10100.	1020.	122900.
Stddev	3622.	14.	10.	32.	29.	202.
%RSD	2.872	.5600	.8079	.3157	2.888	.1643

#1	130200.	2491.	1220.	10070.	1054.	123100.
#2	123500.	2495.	1239.	10100.	999.3	122900.
#3	124700.	2517.	1225.	10140.	1008.	122700.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1265.	2522.	4963.	12730.	99210.	51540.
Stddev	4.	6.	53.	362.	1048.	1499.
%RSD	.2965	.2425	1.064	2.844	1.056	2.908

#1	1262.	2516.	4917.	13150.	98320.	53270.
#2	1265.	2524.	5021.	12470.	100400.	50570.
#3	1269.	2527.	4953.	12580.	98960.	50790.

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	124400.	5036.	131400.	2540.	7687.	1012.
Stddev	1254.	48.	3775.	3.	28.	3.
%RSD	1.008	.9604	2.873	.1106	.3651	.3257

#1	123300.	4993.	135700.	2538.	7666.	1013.
#2	125700.	5088.	128700.	2540.	7676.	1008.
#3	124100.	5026.	129800.	2543.	7719.	1014.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/25/2012 14:49:59 Type: QC
Method: SW846_092412(v2) 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	2486.	2564.	2458.	2505.	992.9	2529.
Stddev	13.	12.	21.	5.	5.7	4.
%RSD	.5061	.4656	.8552	.2019	.5706	.1439

#1	2476.	2554.	2439.	2499.	987.7	2525.
#2	2483.	2560.	2480.	2507.	992.2	2529.
#3	2500.	2577.	2455.	2509.	999.0	2532.

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	1015.	5242.	10300.	9697.
Stddev	1.	92.	291.	52.
%RSD	.0732	1.753	2.826	.5398

#1	1016.	5344.	10630.	9654.
#2	1015.	5216.	10090.	9681.
#3	1014.	5166.	10170.	9755.

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	2627.3	43714.	6939.7
Stddev	4.6	380.	196.7
%RSD	.17482	.86948	2.8339

#1	2631.3	43968.	6715.9
#2	2628.3	43277.	7084.7
#3	2622.3	43898.	7018.6

Sample Name: CCB Acquired: 9/25/2012 14:54:02 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-15.49	-.6306	.7710	.2827	.1618	3.726
Stddev	24.65	2.103	.4935	.1532	.2139	7.408
%RSD	159.1	333.5	64.01	54.18	132.2	198.8
#1	-42.27	-1.949	.2256	.4589	.4086	7.897
#2	6.252	1.795	.9004	.2089	.0302	8.109
#3	-10.45	-1.738	1.187	.1804	.0466	-4.827

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0311	.1002	.3069	.2500	-5.486	-37.03
Stddev	.2512	.1731	.1863	5.133	7.687	33.50
%RSD	806.7	172.9	60.70	2053.	140.1	90.47
#1	.1715	-.0351	.1020	3.334	3.316	-1.409
#2	-.3122	.2952	.4660	3.091	-8.892	-41.78
#3	.0472	.0404	.3528	-5.675	-10.88	-67.91

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	5.260	.2485	223.8	-.0023	1.335	-1.569
Stddev	4.790	.1099	34.5	.7152	1.538	2.887
%RSD	91.06	44.21	15.42	30900.	115.2	184.0
#1	10.29	.3740	255.2	.7607	-.2338	-4.123
#2	4.733	.1699	186.8	-.1103	2.841	1.563
#3	.7551	.2015	229.3	-.6574	1.399	-2.146

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/25/2012 14:54:02 Type: QC
Method: SW846_092412(v2) 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	-.4726	1.123	.4066	.2359	2.392	.7691
Stddev	2.494	1.269	.4040	.0426	.575	.6007
%RSD	527.7	113.0	99.35	18.06	24.05	78.10
#1	2.282	2.565	.6514	.2700	2.987	1.463
#2	-1.124	.1760	-.0597	.1881	2.352	.4222
#3	-2.576	.6290	.6280	.2496	1.838	.4225

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	-.2897	.3303	-1.271	23.79
Stddev	.0906	.3339	.639	.76
%RSD	31.27	101.1	50.33	3.175
#1	-.1957	.7072	-.7780	23.16
#2	-.3764	.2126	-1.041	24.63
#3	-.2969	.0712	-1.993	23.58

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	2901.6	49158.	7149.4
Stddev	6.1	346.	19.1
%RSD	.21179	.70400	.26679
#1	2906.9	49264.	7165.0
#2	2903.0	48771.	7128.1
#3	2894.9	49438.	7154.9

Sample Name: 460-44893-a-1-f@5 Acquired: 9/25/2012 14:58:22 Type: Unk
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25.27	2.411	1.395	495.7	.1089	61280.
Stddev	11.18	2.244	.519	6.6	.0379	136.
%RSD	44.23	93.08	37.24	1.336	34.85	.2211

#1	13.95	3.991	.7972	497.5	.1453	61160.
#2	25.58	-.1578	1.739	501.2	.1117	61430.
#3	36.29	3.399	1.647	488.3	.0696	61250.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.738	9.452	-.0228	173.7	28.42	611.1
Stddev	.053	.100	.7917	5.2	11.56	40.9
%RSD	.6046	1.055	3480.	3.020	40.68	6.688

#1	8.677	9.528	-.2217	171.4	19.50	606.4
#2	8.771	9.488	.8495	169.9	24.29	654.2
#3	8.766	9.339	-.6961	179.6	41.49	572.8

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	1290.	1106.	F 256400.	25.34	522.7	1.346
Stddev	5.	5.	3254.	1.45	3.8	3.049
%RSD	.3830	.4142	1.269	5.737	.7251	226.4

#1	1285.	1102.	258000.	23.72	522.3	3.010
#2	1289.	1104.	252700.	26.51	526.7	-2.172
#3	1295.	1111.	258600.	25.80	519.1	3.202

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44893-a-1-f@5 Acquired: 9/25/2012 14:58:22 Type: Unk
Method: SW846_092412(v2) 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	-.1652	-3.105	-.0057	1761.	24.51	-.2331
Stddev	1.895	.595	.3797	28.	.38	.0670
%RSD	1147.	19.15	6696.	1.596	1.567	28.76
#1	1.896	-2.865	.1609	1771.	24.15	-.3055
#2	-.5603	-2.668	.2622	1783.	24.91	-.1732
#3	-1.832	-3.782	-.4401	1729.	24.45	-.2206

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	.3344	263.7	2.121	1022.
Stddev	.3972	1.8	.380	4.
%RSD	118.8	.6675	17.90	.4348
#1	.2145	264.5	2.542	1018.
#2	.7777	261.7	2.014	1021.
#3	.0109	264.9	1.806	1027.

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	2728.2	44291.	7153.2
Stddev	13.9	309.	11.9
%RSD	.50944	.69784	.16574
#1	2743.6	44461.	7144.2
#2	2716.5	44478.	7166.6
#3	2724.6	43934.	7148.6

Sample Name: 460-44810-c-1-m@5 Acquired: 9/25/2012 15:02:36 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.400	-1.117	.7453	57.42	.0958	7234.
Stddev	26.23	.876	.4509	.85	.0606	65.
%RSD	1093.	78.42	60.50	1.482	63.30	.9038

#1	5.951	-2.127	.9192	58.21	.0306	7206.
#2	-31.79	-.6607	.2334	57.52	.1505	7308.
#3	18.64	-.5634	1.083	56.52	.1063	7187.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0730	2.975	-.2330	3.197	302.0	159.2
Stddev	.1046	.115	.2098	1.695	11.3	7.3
%RSD	143.2	3.849	90.05	53.02	3.743	4.601

#1	.0357	2.848	-.4752	2.352	293.8	151.9
#2	-.0078	3.070	-.1106	5.149	314.9	166.5
#3	.1912	3.008	-.1131	2.091	297.2	159.2

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	1107.	148.3	F 259400.	112.7	3.785	-.1028
Stddev	3.	.5	378.	1.9	1.250	1.961
%RSD	.3019	.3599	.1458	1.661	33.01	1908.

#1	1105.	148.1	259100.	113.2	3.947	-1.902
#2	1110.	148.9	259800.	114.3	2.463	-.3943
#3	1104.	147.9	259200.	110.7	4.946	1.987

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44810-c-1-m@5 Acquired: 9/25/2012 15:02:36 Type: Unk
Method: SW846_092412(v2) 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	2.836	-.3032	.1827	459.7	122.0	-.2685
Stddev	.743	1.090	.1244	8.1	1.3	.4843
%RSD	26.20	359.5	68.07	1.764	1.035	180.4
#1	2.991	.6261	.0397	465.2	123.0	-.8181
#2	3.488	-.0329	.2427	463.6	122.4	.0958
#3	2.027	-1.503	.2657	450.4	120.5	-.0831

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	.2317	61.09	-1.825	739.6
Stddev	.0505	.19	.990	8.3
%RSD	21.78	.3186	54.26	1.121
#1	.2820	60.89	-.8381	735.9
#2	.1811	61.28	-1.818	749.1
#3	.2321	61.10	-2.818	733.9

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	2759.6	44231.	7099.9
Stddev	12.3	104.	46.6
%RSD	.44741	.23528	.65634
#1	2754.8	44121.	7068.8
#2	2750.4	44243.	7077.5
#3	2773.6	44328.	7153.5

Sample Name: 460-44902-a-2-c@5 Acquired: 9/25/2012 15:11:01 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.54	.5994	.9782	96.06	.0827	50950.
Stddev	12.87	.7460	.4732	1.87	.0464	350.
%RSD	54.68	124.4	48.37	1.946	56.10	.6872

#1	29.57	-.1795	1.402	96.94	.0318	50790.
#2	32.30	.6704	1.065	97.32	.0938	51350.
#3	8.761	1.307	.4677	93.91	.1226	50710.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.120	3.155	.7181	-8790	1242.	322.6
Stddev	.231	.096	.3751	1.664	8.	36.8
%RSD	10.88	3.051	52.24	189.3	.6692	11.41

#1	2.094	3.044	1.137	1.021	1237.	285.7
#2	2.363	3.202	.6054	-1.579	1239.	359.4
#3	1.904	3.218	.4122	-2.079	1252.	322.7

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	1458.	498.8	F 254100.	22.02	26.77	-2.690
Stddev	2.	1.0	1115.	.61	.33	4.618
%RSD	.1486	.1985	.4387	2.775	1.239	171.7

#1	1458.	499.5	255300.	22.71	26.93	1.014
#2	1456.	497.7	253100.	21.77	26.99	-7.865
#3	1460.	499.2	253800.	21.57	26.39	-1.221

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44902-a-2-c@5 Acquired: 9/25/2012 15:11:01 Type: Unk
Method: SW846_092412(v2) 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	.6142	-.0088	.1834	3904.	19.65	-.4397
Stddev	3.438	.6615	.5753	73.	.47	.2601
%RSD	559.7	7549.	313.6	1.872	2.374	59.16
#1	-1.811	-.6706	.8408	3940.	19.71	-.1433
#2	-.8953	.6523	-.0621	3951.	19.15	-.5455
#3	4.549	-.0079	-.2284	3820.	20.08	-.6303

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	.2550	268.8	2.101	946.6
Stddev	.1469	.8	.494	2.4
%RSD	57.61	.2976	23.50	.2573
#1	.1212	268.7	2.667	943.8
#2	.4123	268.1	1.757	947.6
#3	.2317	269.7	1.880	948.4

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	2727.4	44410.	7030.8
Stddev	15.8	116.	52.7
%RSD	.57809	.26056	.74903
#1	2717.6	44277.	6970.8
#2	2718.9	44463.	7052.4
#3	2745.6	44490.	7069.3

Sample Name: 490-6846-a-1-b@5 Acquired: 9/25/2012 15:15:13 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	157.1	-1.657	.8197	35.77	2.470	4240.
Stddev	6.0	1.252	.7665	.75	.068	40.
%RSD	3.850	75.54	93.50	2.107	2.750	.9518

#1	152.0	-1.726	.7479	35.13	2.394	4194.
#2	155.5	-.3726	.0917	36.60	2.524	4272.
#3	163.8	-2.873	1.620	35.58	2.492	4253.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5804	19.13	1.609	23.03	7280.	130.7
Stddev	.0683	.65	.579	.20	70.	16.1
%RSD	11.78	3.416	35.96	.8627	.9611	12.32

#1	.5560	19.18	2.022	22.94	7230.	121.2
#2	.6576	19.76	.9476	23.26	7249.	149.3
#3	.5275	18.45	1.856	22.89	7360.	121.6

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	1409.	695.9	F 260200.	68.83	20.81	-3.537
Stddev	10.	6.2	1437.	.96	.74	1.630
%RSD	.7429	.8838	.5524	1.388	3.573	46.09

#1	1403.	691.1	258700.	68.94	21.28	-4.378
#2	1402.	693.9	260300.	69.73	21.19	-1.658
#3	1421.	702.9	261500.	67.83	19.95	-4.576

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 490-6846-a-1-b@5 Acquired: 9/25/2012 15:15:13 Type: Unk
Method: SW846_092412(v2) 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	.3859	-3.023	.2400	3457.	179.0	-.0868
Stddev	1.730	.970	.0968	75.	2.8	.1775
%RSD	448.3	32.10	40.32	2.168	1.560	204.6
#1	-1.501	-4.143	.2865	3456.	179.0	-.1382
#2	.7607	-2.422	.3048	3532.	181.7	-.2330
#3	1.897	-2.505	.1288	3382.	176.1	.1108

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	.1608	17.28	-2.701	2605.
Stddev	.5318	.24	.312	40.
%RSD	330.8	1.391	11.54	1.544
#1	.6304	17.20	-2.664	2559.
#2	-.4167	17.10	-2.409	2630.
#3	.2686	17.55	-3.029	2626.

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	2794.1	44723.	7234.8
Stddev	24.8	201.	34.0
%RSD	.88757	.44893	.46968
#1	2819.7	44836.	7200.0
#2	2770.1	44841.	7236.5
#3	2792.6	44491.	7267.9

Sample Name: 460-44900-a-1-d@5 Acquired: 9/25/2012 15:19:30 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	266.6	-.3440	2.114	16.40	36.52	F 924300.
Stddev	5.8	.4707	.608	.45	.83	2723.
%RSD	2.165	136.9	28.75	2.762	2.279	.2946

#1	266.3	-.8542	2.120	16.80	36.07	926900.
#2	261.1	-.2510	2.719	16.50	36.02	921500.
#3	272.6	.0733	1.504	15.91	37.49	924600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30.79	115.1	-10.73	15660.	.1681	312.0
Stddev	.26	1.4	.29	282.	10.36	24.7
%RSD	.8345	1.179	2.724	1.800	6160.	7.907

#1	31.08	116.7	-11.04	15490.	4.530	339.8
#2	30.67	114.7	-10.69	15510.	-11.65	292.6
#3	30.61	114.1	-10.46	15990.	7.629	303.6

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	7268.	43.53	65680.	3731.	123.3	-9.428
Stddev	26.	.28	897.	50.	2.6	3.965
%RSD	.3599	.6376	1.366	1.339	2.146	42.06

#1	7248.	43.32	65190.	3789.	126.1	-12.20
#2	7298.	43.84	65130.	3706.	120.9	-11.19
#3	7258.	43.42	66710.	3699.	122.8	-4.887

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-44900-a-1-d@5 Acquired: 9/25/2012 15:19:30 Type: Unk
Method: SW846_092412(v2) 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	.7847	2.663	-.1673	F 29540.	44.08	.1240
Stddev	1.493	1.594	.7270	360.	.52	.0710
%RSD	190.3	59.86	434.6	1.218	1.187	57.23
#1	2.144	2.572	.5472	29950.	44.66	.1664
#2	1.024	4.301	-.9062	29310.	43.95	.0421
#3	-.8139	1.116	-.1429	29350.	43.64	.1635

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

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	.6504	1114.	20.66	407.7
Stddev	.3669	20.	1.55	2.8
%RSD	56.42	1.758	7.496	.6917
#1	.3996	1101.	20.10	405.5
#2	1.072	1104.	19.46	406.7
#3	.4801	1136.	22.41	410.9

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	2588.9	42516.	6966.5
Stddev	19.6	162.	87.3
%RSD	.75778	.38203	1.2531
#1	2575.1	42677.	7019.6
#2	2611.4	42352.	7014.1
#3	2580.2	42519.	6865.8

Sample Name: 460-44900-a-2-d@5 Acquired: 9/25/2012 15:23:38 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	69.62	.1474	16.98	14.17	.2669	F 272200.
Stddev	18.23	.3657	1.29	.23	.0401	1496.
%RSD	26.18	248.1	7.592	1.630	15.02	.5496

#1	84.75	.5597	17.34	14.14	.2815	270600.
#2	74.74	.0200	15.55	13.95	.2977	272400.
#3	49.39	-.1376	18.06	14.41	.2216	273600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	298.6	F 12710.	-1.553	14180.	30.88	812.0
Stddev	3.7	207.	.417	87.	16.99	26.4
%RSD	1.235	1.627	26.87	.6145	55.01	3.250

#1	300.4	12810.	-1.996	14210.	19.73	794.1
#2	300.9	12840.	-1.494	14080.	22.48	799.5
#3	294.3	12470.	-1.168	14250.	50.43	842.3

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.				
Low Limit		-50.00				

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	197100.	1665.	116700.	F 23070.	4.324	-3.424
Stddev	377.	5.	592.	398.	.232	3.734
%RSD	.1912	.2804	.5077	1.725	5.360	109.1

#1	197400.	1670.	117000.	23290.	4.057	-7.516
#2	196700.	1661.	116000.	23310.	4.475	-2.555
#3	197100.	1663.	117000.	22610.	4.439	-.2015

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Sample Name: 460-44900-a-2-d@5 Acquired: 9/25/2012 15:23:38 Type: Unk
Method: SW846_092412(v2) 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	2.654	52.01	.2722	F 188700.	F 9060.	4.008
Stddev	1.194	1.24	.2997	824.	41.	.166
%RSD	44.99	2.377	110.1	.4368	.4578	4.136
#1	3.915	52.32	.3461	188000.	9076.	4.071
#2	2.508	50.65	.5282	188600.	9092.	3.820
#3	1.540	53.06	-.0575	189600.	9013.	4.133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit				5000.	2000.	
Low Limit				-50.00	-50.00	

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	-.3625	146.1	7.809	1174.
Stddev	.3845	1.0	.585	10.
%RSD	106.1	.7045	7.494	.8287
#1	.0208	146.6	7.677	1168.
#2	-.7483	145.0	8.448	1169.
#3	-.3600	146.8	7.300	1185.
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	2614.8	43487.	7051.0
Stddev	11.1	146.	62.1
%RSD	.42601	.33511	.88123
#1	2625.9	43326.	7021.5
#2	2614.9	43610.	7122.4
#3	2603.6	43525.	7009.2

Sample Name: 460-44900-a-3-d@5 Acquired: 9/25/2012 15:27:55 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	98.11	1.658	2.508	18.48	26.66	F 302800.
Stddev	12.96	.529	.332	.90	.13	1856.
%RSD	13.21	31.90	13.24	4.851	.4806	.6129

#1	107.2	1.813	2.608	18.59	26.72	304900.
#2	83.28	1.069	2.779	19.32	26.51	301300.
#3	103.8	2.093	2.138	17.54	26.74	302300.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	306.3	4991.	.9250	F 38650.	12.90	639.6
Stddev	11.4	221.	.7282	222.	13.65	8.2
%RSD	3.707	4.432	78.73	.5751	105.8	1.290

#1	313.9	5137.	1.169	38640.	.1885	630.1
#2	311.7	5101.	1.500	38440.	11.20	643.4
#3	293.2	4737.	.1062	38880.	27.32	645.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				25000.		
Low Limit				-50.00		

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	50120.	467.5	F 349200.	F 22760.	29.49	.3672
Stddev	184.	1.5	1191.	987.	.55	.6455
%RSD	.3665	.3112	.3410	4.338	1.877	175.8

#1	50290.	468.1	349700.	23400.	30.04	.0246
#2	50160.	468.5	347900.	23250.	29.48	-.0348
#3	49920.	465.8	350100.	21620.	28.94	1.112

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit			250000.	5000.		
Low Limit			-5000.	-50.00		

Sample Name: 460-44900-a-3-d@5 Acquired: 9/25/2012 15:27:55 Type: Unk
Method: SW846_092412(v2) 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	-0.2180	15.89	-0.5194	F 102000.	F 3763.	50.62
Stddev	.2100	1.59	.2171	866.	92.	1.98
%RSD	96.33	10.00	41.80	.8496	2.442	3.903
#1	.0133	14.10	-.2910	102700.	3827.	51.42
#2	-.2708	17.12	-.5441	102200.	3804.	52.06
#3	-.3967	16.46	-.7230	101000.	3658.	48.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit				5000.	2000.	
Low Limit				-50.00	-50.00	

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	-0.0216	172.1	12.29	533.5
Stddev	.6481	.8	.42	8.3
%RSD	3000.	.4887	3.448	1.558
#1	.5651	171.8	11.91	526.3
#2	.0873	171.5	12.22	542.6
#3	-.7172	173.1	12.75	531.6
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	2559.9	42488.	7013.9
Stddev	19.8	239.	70.4
%RSD	.77266	.56232	1.0036
#1	2537.7	42216.	6971.2
#2	2566.3	42665.	7095.2
#3	2575.7	42582.	6975.4

Sample Name: 460-44900-a-4-d@5 Acquired: 9/25/2012 15:32:20 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	85.23	.8809	18.29	10.42	.1469	F 334600.
Stddev	9.47	1.168	1.02	.36	.1766	794.
%RSD	11.11	132.6	5.554	3.442	120.2	.2374

#1	81.99	1.296	17.58	10.83	.0919	335100.
#2	77.80	1.784	17.83	10.20	.3445	335000.
#3	95.89	-.4379	19.45	10.22	.0044	333700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.555	6.490	-.1121	8.475	-24.44	155.1
Stddev	.259	.367	.4264	1.656	14.74	50.0
%RSD	5.690	5.651	380.5	19.54	60.31	32.26

#1	4.854	6.631	.1970	10.01	-18.14	144.0
#2	4.428	6.766	.0653	6.721	-41.29	111.5
#3	4.385	6.074	-.5985	8.692	-13.90	209.7

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	119600.	.1065	F 278500.	4.317	-8.188	-2.874
Stddev	1099.	.1454	5684.	.771	1.572	1.616
%RSD	.9189	136.6	2.041	17.87	19.20	56.24

#1	118300.	.1850	272300.	5.147	-8.970	-3.695
#2	120400.	.1958	279900.	3.622	-9.216	-3.914
#3	119900.	-.0613	283400.	4.181	-6.378	-1.012

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44900-a-4-d@5 Acquired: 9/25/2012 15:32:20 Type: Unk
Method: SW846_092412(v2) 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	14.91	F -21.58	.3354	12.98	1485.	61.61
Stddev	.68	3.60	.2704	3.79	21.	1.83
%RSD	4.578	16.69	80.63	29.19	1.389	2.974
#1	15.59	-25.42	.4069	14.26	1491.	62.53
#2	14.90	-18.27	.0364	15.97	1502.	62.81
#3	14.23	-21.06	.5628	8.719	1462.	59.51
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.				
Low Limit		-20.00				

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	.3999	90.85	13.27	86.72
Stddev	.0632	.41	.67	12.71
%RSD	15.81	.4567	5.064	14.65
#1	.4088	90.40	13.47	84.21
#2	.4581	90.95	12.52	100.5
#3	.3326	91.21	13.82	75.46
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	2607.3	42334.	7081.6
Stddev	9.4	297.	42.9
%RSD	.35927	.70237	.60644
#1	2617.9	42677.	7093.0
#2	2600.4	42168.	7117.7
#3	2603.5	42157.	7034.1

Sample Name: 460-44927-a-1-b@5 Acquired: 9/25/2012 15:36:41 Type: Unk

Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	75.28	-.2131	.2308	36.68	.0828	145800.
Stddev	3.07	.8358	.5104	.71	.0906	1363.
%RSD	4.076	392.2	221.2	1.945	109.5	.9349

#1	78.82	-.1009	.2572	37.01	.1873	144500.
#2	73.63	-1.099	-.2923	37.18	.0348	145500.
#3	73.40	.5609	.7275	35.86	.0262	147200.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0519	-.2054	1.425	2.802	34.69	1190.
Stddev	.1145	.1867	.641	1.391	8.05	25.
%RSD	220.9	90.87	45.01	49.64	23.20	2.063

#1	-.0689	-.0771	1.745	4.323	41.14	1167.
#2	.1590	-1.196	.6865	1.596	25.67	1187.
#3	.0655	-.4196	1.844	2.486	37.25	1216.

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	109.0	.7715	F 267800.	.2251	1.284	-2.122
Stddev	7.6	.0444	6584.	.3891	1.643	1.108
%RSD	6.960	5.752	2.458	172.8	127.9	52.21

#1	114.9	.8034	274100.	-.2075	.6389	-1.436
#2	111.7	.7904	268400.	.5463	.0623	-3.399
#3	100.5	.7208	260900.	.3365	3.152	-1.529

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-44927-a-1-b@5 Acquired: 9/25/2012 15:36:41 Type: Unk
Method: SW846_092412(v2) 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	-5179	-6019	1.477	3.921	24.40	.0361
Stddev	2.855	1.913	.170	.295	.92	.1941
%RSD	551.3	317.8	11.52	7.528	3.787	537.7
#1	2.628	-2.151	1.671	4.227	25.45	.1365
#2	-1.238	-1.191	1.354	3.901	24.04	-.1877
#3	-2.944	1.536	1.405	3.637	23.70	.1594

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	.0982	662.5	6.906	4907.
Stddev	.8961	25.3	2.558	49.
%RSD	912.3	3.819	37.04	.9929
#1	1.129	686.9	8.981	4959.
#2	-.3418	664.2	7.691	4898.
#3	-.4928	636.4	4.048	4863.

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	2664.3	43546.	7179.2
Stddev	14.1	244.	165.8
%RSD	.52866	.55955	2.3098
#1	2678.1	43824.	7022.5
#2	2664.9	43443.	7162.2
#3	2650.0	43371.	7352.8

Sample Name: CCV Acquired: 9/25/2012 15:41:04 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122300.	2513.	1242.	10140.	988.2	121000.
Stddev	875.	31.	16.	133.	4.8	1764.
%RSD	.7152	1.217	1.248	1.307	.4807	1.457

#1	121700.	2526.	1237.	10190.	984.9	121700.
#2	122000.	2535.	1259.	10240.	986.1	122300.
#3	123300.	2478.	1229.	9987.	993.7	119000.

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1270.	2541.	5037.	12310.	100700.	49490.
Stddev	17.	37.	74.	67.	1421.	228.
%RSD	1.326	1.461	1.465	.5404	1.412	.4609

#1	1277.	2556.	5003.	12270.	100000.	49480.
#2	1282.	2569.	5121.	12270.	102300.	49260.
#3	1251.	2499.	4986.	12380.	99680.	49720.

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.	5083.	125800.	2544.	7687.	1010.
Stddev	1727.	69.	335.	42.	94.	13.
%RSD	1.366	1.364	.2666	1.635	1.219	1.271

#1	125600.	5054.	125800.	2562.	7727.	1013.
#2	128400.	5162.	125400.	2573.	7755.	1022.
#3	125200.	5032.	126100.	2496.	7580.	996.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/25/2012 15:41:04 Type: QC
Method: SW846_092412(v2) 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	2475.	2557.	2473.	2520.	1004.	2523.
Stddev	27.	30.	35.	36.	10.	38.
%RSD	1.079	1.159	1.423	1.434	1.037	1.493
#1	2485.	2572.	2461.	2535.	1007.	2542.
#2	2495.	2577.	2513.	2547.	1013.	2548.
#3	2445.	2523.	2445.	2479.	992.8	2480.

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	1016.	5018.	9932.	9610.
Stddev	18.	57.	52.	72.
%RSD	1.751	1.144	.5185	.7504
#1	1025.	4980.	9891.	9567.
#2	1028.	4990.	9915.	9693.
#3	995.7	5084.	9990.	9570.

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	2588.0	42993.	6981.7
Stddev	26.4	499.	29.7
%RSD	1.0208	1.1604	.42492
#1	2577.6	43131.	6954.4
#2	2568.5	42440.	7013.3
#3	2618.1	43409.	6977.5

Sample Name: CCB Acquired: 9/25/2012 15:45:08 Type: QC
Method: SW846_092412(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca1840
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	184.006 {483}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-21.47	1.105	.8985	.1997	.2408	12.32
Stddev	4.39	1.815	.8960	.2777	.1626	6.60
%RSD	20.44	164.3	99.72	139.0	67.55	53.61

#1	-16.41	-.9181	1.782	.4735	.3940	14.69
#2	-23.71	2.590	-.0091	.2071	.2582	17.40
#3	-24.28	1.641	.9224	-.0816	.0701	4.855

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_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0254	-.0297	.6895	2.518	3.097	-99.80
Stddev	.1143	.1298	.6128	4.160	9.632	34.64
%RSD	450.4	437.2	88.87	165.2	311.0	34.71

#1	-.1446	.0660	1.379	1.672	-8.023	-86.77
#2	.0834	-.1774	.2080	-1.154	8.796	-73.57
#3	-.0150	.0223	.4812	7.035	8.519	-139.1

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	1.147	.1922	211.6	.4768	.5471	-1.906
Stddev	1.410	.1360	29.4	.6288	.2133	.612
%RSD	122.9	70.78	13.90	131.9	38.98	32.10

#1	2.677	.3483	241.1	1.198	.7870	-2.189
#2	.8669	.1287	211.3	.0418	.3790	-1.204
#3	-.1020	.0995	182.3	.1910	.4752	-2.325

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/25/2012 15:45:08 Type: QC
Method: SW846_092412(v2) 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	-.2092	-.0138	-.0249	.6307	5.886	.7771
Stddev	3.162	2.185	.4844	.1589	.619	.7503
%RSD	1511.	15880.	1942.	25.20	10.52	96.56
#1	-.3541	1.698	-.2221	.7332	6.223	1.598
#2	-3.296	.7358	.5269	.7113	6.263	.6078
#3	3.023	-2.475	-.3797	.4477	5.171	.1258

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	-.7452	.3302	-.2958	15.16
Stddev	.4008	.1862	1.329	1.91
%RSD	53.79	56.40	449.3	12.60
#1	-.7995	.5433	1.238	15.00
#2	-1.116	.2483	-1.099	17.15
#3	-.3200	.1990	-1.026	13.34

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	2875.4	48506.	7150.0
Stddev	9.2	134.	133.3
%RSD	.31837	.27653	1.8645
#1	2886.0	48368.	7069.2
#2	2870.3	48514.	7303.8
#3	2869.9	48635.	7076.9

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1 Seq: 1 19:21:33 19 Sep 12 HG								
Hg	.000	ppb	448					
*** Standard: 1 Rep: 1 Seq: 2 19:26:42 19 Sep 12 HG								
Hg	.000	ppb	194					
*** Standard: 2 Rep: 1 Seq: 3 19:28:28 19 Sep 12 HG								
Hg	.200	ppb	835					
*** Standard: 3 Rep: 1 Seq: 4 19:30:14 19 Sep 12 HG								
Hg	1.00	ppb	2968					
*** Standard: 4 Rep: 1 Seq: 5 19:32:03 19 Sep 12 HG								
Hg	2.00	ppb	5847					
*** Standard: 5 Rep: 1 Seq: 6 19:33:49 19 Sep 12 HG								
Hg	5.00	ppb	14697					
*** Standard: 6 Rep: 1 Seq: 7 19:35:36 19 Sep 12 HG								
Hg	10.0	ppb	29227					
*** Check Standard: 3 Ck3AICV Seq: 8 19:37:55 19 Sep 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg	105.	5.25	5.00	ppb	.000			
*** Check Standard: 1 Ck1ICB/CCB Seq: 9 19:39:44 19 Sep 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg	-.067	.200	ppb	.000				
*** Sample ID: Seq: 10 19:41:32 19 Sep 12 HG								
		MCL						
Hg	1.96	ppb	.000	1.96				
*** Sample ID: Seq: 11 19:43:20 19 Sep 12 HG								
		mb 460-128489/11-a						
Hg	-.029	ppb	.000	-.029				
*** Sample ID: Seq: 12 19:45:24 19 Sep 12 HG								
		lcs 460-128489/12-a						
Hg	1.98	ppb	.000	1.98				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 13 19:47:41 19 Sep 12 HG
 460-44761-h-1-b
 Hg -.029 ppb .000 -.029

*** Sample ID: Seq: 14 19:49:29 19 Sep 12 HG
 460-44761-h-1-c du
 Hg -.021 ppb .000 -.021

*** Sample ID: Seq: 15 19:51:57 19 Sep 12 HG
 460-44761-h-1-d ms
 Hg 2.00 ppb .000 2.00

*** Sample ID: Seq: 16 19:54:42 19 Sep 12 HG
 460-44761-h-2-b
 Hg -.028 ppb .000 -.028

*** Sample ID: Seq: 17 19:56:39 19 Sep 12 HG
 460-44761-h-3-b
 Hg -.013 ppb .000 -.013

*** Sample ID: Seq: 18 19:58:23 19 Sep 12 HG
 460-44762-h-1-b
 Hg -.022 ppb .000 -.022

*** Sample ID: Seq: 19 20:00:09 19 Sep 12 HG
 460-44762-h-2-b
 Hg -.013 ppb .000 -.013

*** Check Standard: 2 Ck2ACCV Seq: 20 20:02:16 19 Sep 12 HG
 Line Flag %Rcv. Found True Units SD/RSD
 Hg 104. 5.21 5.00 ppb .000

*** Check Standard: 1 Ck1ICB/CCB Seq: 21 20:04:04 19 Sep 12 HG
 Line Flag Found Range(+/-) Units SD/RSD
 Hg -.068 .200 ppb .000

*** Sample ID: Seq: 22 20:05:49 19 Sep 12 HG
 460-44762-h-3-b
 Hg -.004 ppb .000 -.004

*** Sample ID: Seq: 23 20:07:44 19 Sep 12 HG
 460-44763-h-1-b
 Hg -.014 ppb .000 -.014

*** Sample ID: Seq: 24 20:09:27 19 Sep 12 HG
 460-44660-a-29-b
 Hg -.021 ppb .000 -.021

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 25 20:11:22 19 Sep 12 HG
460-44704-g-2-b
Hg -.009 ppb .000 -.009

*** Sample ID: Seq: 26 20:13:37 19 Sep 12 HG
460-44724-b-1-a
Hg -.021 ppb .000 -.021

*** Sample ID: Seq: 27 20:15:20 19 Sep 12 HG
460-44725-a-1-a
Hg -.014 ppb .000 -.014

*** Sample ID: Seq: 28 20:17:29 19 Sep 12 HG
460-44726-a-1-a
Hg .007 ppb .000 .007

*** Sample ID: Seq: 29 20:19:15 19 Sep 12 HG
460-44727-b-1-a
Hg -.076 ppb .000 -.076

*** Sample ID: Seq: 30 20:21:09 19 Sep 12 HG
460-44613-d-2-a
Hg -.019 ppb .000 -.019

*** Sample ID: Seq: 31 20:22:55 19 Sep 12 HG
460-44768-c-1-a
Hg -.023 ppb .000 -.023

*** Check Standard: 2 Ck2ACCV Seq: 32 20:24:59 19 Sep 12 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 106. 5.29 5.00 ppb .000

*** Check Standard: 1 Ck1ICB/CCB Seq: 33 20:27:02 19 Sep 12 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg -.037 .200 ppb .000

*** Sample ID: Seq: 34 20:29:06 19 Sep 12 HG
460-44765-d-1-a
Hg -.026 ppb .000 -.026

*** Sample ID: Seq: 35 20:30:55 19 Sep 12 HG
460-44765-d-2-a
Hg -.009 ppb .000 -.009

*** Sample ID: Seq: 36 20:32:40 19 Sep 12 HG
460-44765-d-3-a
Hg -.016 ppb .000 -.016

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 37 20:34:26 19 Sep 12 HG

460-44765-d-4-a

Hg -.027 ppb .000 -.027

*** Sample ID: Seq: 38 20:36:30 19 Sep 12 HG

460-44765-d-5-a

Hg -.013 ppb .000 -.013

*** Sample ID: Seq: 39 20:38:24 19 Sep 12 HG

SD 460-44761-h-1-b@5

Hg -.009 ppb .000 -.009

*** Check Standard: 2 Ck2ACCV Seq: 40 20:40:08 19 Sep 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD

Hg 103. 5.16 5.00 ppb .000

*** Check Standard: 1 Ck1ICB/CCB Seq: 41 20:42:04 19 Sep 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD

Hg -.042 .200 ppb .000

*** Sample ID: Seq: 42 20:44:00 19 Sep 12 HG

mb 460-128490/10-a

Hg -.018 ppb .000 -.018

*** Sample ID: Seq: 43 20:45:54 19 Sep 12 HG

lcs 460-128490/11-a

Hg .989 ppb .000 .989

*** Sample ID: Seq: 44 20:47:38 19 Sep 12 HG

460-44710-s-4-a

Hg -.031 ppb .000 -.031

*** Sample ID: Seq: 45 20:49:33 19 Sep 12 HG

460-44710-s-4-b du

Hg -.023 ppb .000 -.023

*** Sample ID: Seq: 46 20:51:23 19 Sep 12 HG

460-44710-s-4-c ms

Hg .995 ppb .000 .995

*** Sample ID: Seq: 47 20:53:10 19 Sep 12 HG

460-44710-s-1-a

Hg .899 ppb .000 .899

*** Sample ID: Seq: 48 20:55:07 19 Sep 12 HG

460-44710-s-2-a

Hg 3.74 ppb .000 3.74

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 49 20:56:52 19 Sep 12 HG

460-44710-s-3-a

Hg -.063 ppb .000 -.063

*** Sample ID: Seq: 50 20:58:39 19 Sep 12 HG

460-44710-s-5-a

Hg .308 ppb .000 .308

*** Sample ID: Seq: 51 21:00:27 19 Sep 12 HG

460-44710-p-6-a

Hg -.029 ppb .000 -.029

*** Check Standard: 2 Ck2ACCV Seq: 52 21:02:11 19 Sep 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD

Hg 104. 5.22 5.00 ppb .000

*** Check Standard: 1 Ck1ICB/CCB Seq: 53 21:03:55 19 Sep 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD

Hg -.079 .200 ppb .000

*** Sample ID: Seq: 54 21:05:42 19 Sep 12 HG

460-44733-f-2-a

Hg -.022 ppb .000 -.022

*** Sample ID: Seq: 55 21:07:27 19 Sep 12 HG

460-44733-f-3-a

Hg .002 ppb .000 .002

*** Sample ID: Seq: 56 21:09:13 19 Sep 12 HG

460-44733-f-4-a

Hg -.016 ppb .000 -.016

*** Sample ID: Seq: 57 21:11:13 19 Sep 12 HG

460-44733-f-5-a

Hg -.007 ppb .000 -.007

*** Sample ID: Seq: 58 21:13:38 19 Sep 12 HG

460-44723-c-3-a

Hg .001 ppb .000 .001

*** Sample ID: Seq: 59 21:15:44 19 Sep 12 HG

460-44757-d-1-a

Hg -.021 ppb .000 -.021

*** Sample ID: Seq: 60 21:18:09 19 Sep 12 HG

460-44757-d-2-a

Hg -.021 ppb .000 -.021

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 61 21:19:54 19 Sep 12 HG
460-44757-d-3-a
Hg -.045 ppb .000 -.045

*** Sample ID: Seq: 62 21:21:40 19 Sep 12 HG
460-44757-d-4-a
Hg -.038 ppb .000 -.038

*** Sample ID: Seq: 63 21:23:25 19 Sep 12 HG
460-44757-d-5-a
Hg -.015 ppb .000 -.015

*** Check Standard: 2 Ck2ACCV Seq: 64 21:25:21 19 Sep 12 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 103. 5.16 5.00 ppb .000

*** Check Standard: 1 Ck1ICB/CCB Seq: 65 21:27:28 19 Sep 12 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg -.029 .200 ppb .000

*** Sample ID: Seq: 66 21:29:35 19 Sep 12 HG
460-44757-d-6-a
Hg -.035 ppb .000 -.035

*** Sample ID: Seq: 67 21:31:26 19 Sep 12 HG
460-44757-d-7-a
Hg -.038 ppb .000 -.038

*** Sample ID: Seq: 68 21:33:22 19 Sep 12 HG
460-44757-d-8-a
Hg -.028 ppb .000 -.028

*** Sample ID: Seq: 69 21:35:12 19 Sep 12 HG
460-44757-d-9-a
Hg -.021 ppb .000 -.021

*** Sample ID: Seq: 70 21:37:39 19 Sep 12 HG
SD 460-44710-s-4-a@5
Hg -.035 ppb .000 -.035

*** Check Standard: 2 Ck2ACCV Seq: 71 21:39:24 19 Sep 12 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 102. 5.12 5.00 ppb .000

*** Check Standard: 1 Ck1ICB/CCB Seq: 72 21:41:07 19 Sep 12 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg -.064 .200 ppb .000

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 73 21:42:54 19 Sep 12 HG
mb 460-128493/10-a
Hg -.023 ppb .000 -.023

*** Sample ID: Seq: 74 21:44:38 19 Sep 12 HG
lcs 460-128493/11-a
Hg 5.05 ppb .000 5.05

*** Sample ID: Seq: 75 21:46:55 19 Sep 12 HG
460-44616-a-13-b
Hg -.049 ppb .000 -.049

*** Sample ID: Seq: 76 21:48:43 19 Sep 12 HG
460-44616-a-13-c du
Hg -.033 ppb .000 -.033

*** Sample ID: Seq: 77 21:51:41 19 Sep 12 HG
460-44616-a-13-d ms
Hg 5.03 ppb .000 5.03

*** Sample ID: Seq: 78 21:53:36 19 Sep 12 HG
460-44625-a-1-j
Hg -.045 ppb .000 -.045

*** Check Standard: 2 Ck2ACCV Seq: 79 21:55:25 19 Sep 12 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 104. 5.18 5.00 ppb .000

*** Check Standard: 1 Ck1ICB/CCB Seq: 80 21:57:33 19 Sep 12 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg -.030 .200 ppb .000

*** Sample ID: Seq: 81 21:59:27 19 Sep 12 HG
460-43467-a-1-b
Hg -.027 ppb .000 -.027

*** Sample ID: Seq: 82 22:01:12 19 Sep 12 HG
460-44689-a-1-i
Hg -.025 ppb .000 -.025

*** Sample ID: Seq: 83 22:03:29 19 Sep 12 HG
lb 460-128153/1-d
Hg -.000 ppb .000 -.000

*** Sample ID: Seq: 84 22:05:24 19 Sep 12 HG
lb 460-128302/1-b
Hg -.026 ppb .000 -.026

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 85 22:07:14 19 Sep 12 HG

SD 460-44616-a-13-b@

Hg -.033 ppb .000 -.033

*** Check Standard: 2 Ck2ACCV Seq: 86 22:09:01 19 Sep 12 HG

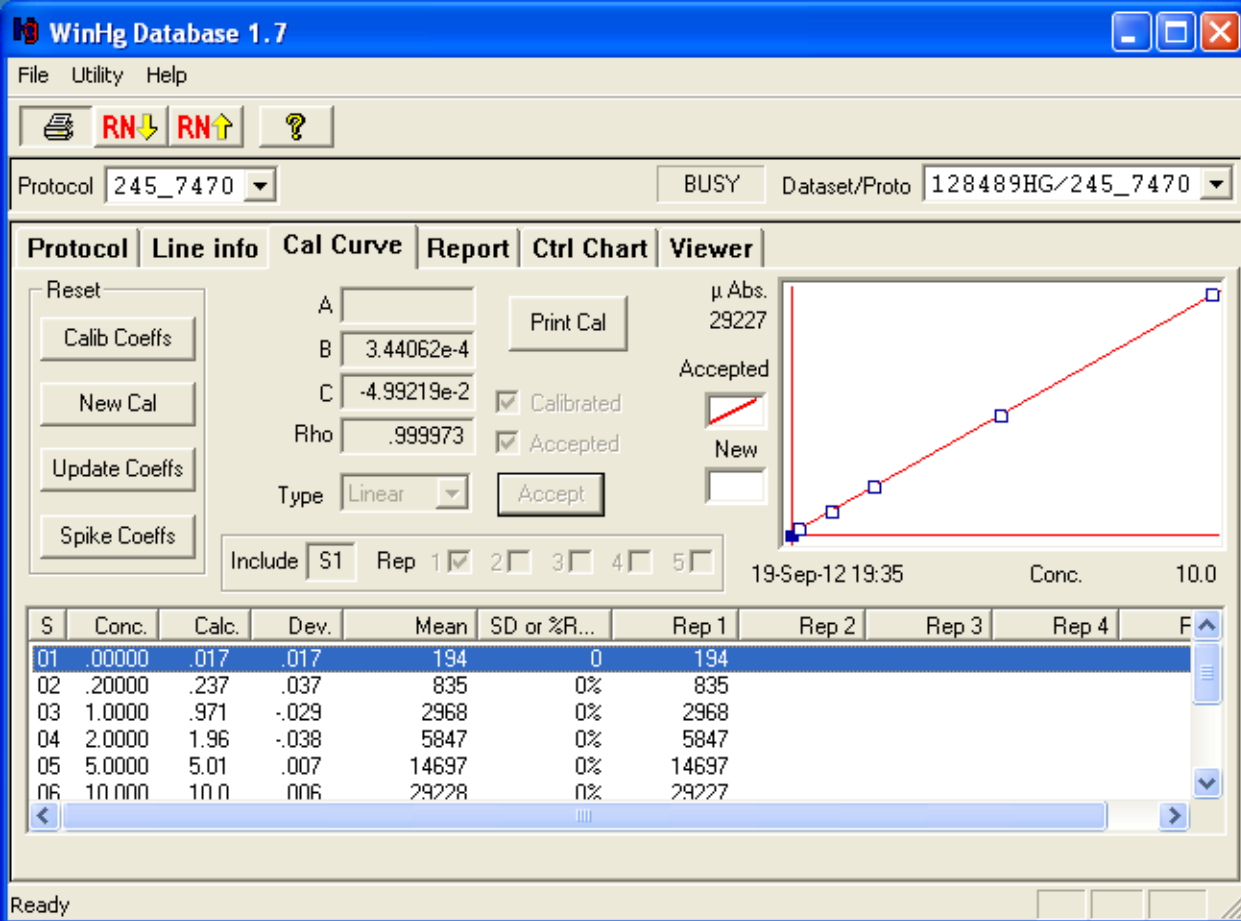
Line	Flag	%Rcv.	Found	True	Units	SD/RSD

Hg	104.	5.19	5.00	ppb	.000

*** Check Standard: 1 Ck1ICB/CCB Seq: 87 22:11:37 19 Sep 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD

Hg	-.009	.200	ppb	.000



POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1 Seq: 1 19:21:33 19 Sep 12 HG								
Hg	.000	ppb	448					
*** Standard: 1 Rep: 1 Seq: 2 19:26:42 19 Sep 12 HG								
Hg	.000	ppb	194					
*** Standard: 2 Rep: 1 Seq: 3 19:28:28 19 Sep 12 HG								
Hg	.200	ppb	835					
*** Standard: 3 Rep: 1 Seq: 4 19:30:14 19 Sep 12 HG								
Hg	1.00	ppb	2968					
*** Standard: 4 Rep: 1 Seq: 5 19:32:03 19 Sep 12 HG								
Hg	2.00	ppb	5847					
*** Standard: 5 Rep: 1 Seq: 6 19:33:49 19 Sep 12 HG								
Hg	5.00	ppb	14697					
*** Standard: 6 Rep: 1 Seq: 7 19:35:36 19 Sep 12 HG								
Hg	10.0	ppb	29227					
*** Check Standard: 3 Ck3AICV Seq: 8 19:37:55 19 Sep 12 HG								
Line	Flag		Intensities					
Hg			15403					
*** Check Standard: 1 Ck1ICB/CCB Seq: 9 19:39:44 19 Sep 12 HG								
Line	Flag		Intensities					
Hg			-49					
*** Sample ID: Seq: 10 19:41:32 19 Sep 12 HG								
			MCL					
Hg	1.96	ppb	5841					
*** Sample ID: Seq: 11 19:43:20 19 Sep 12 HG								
			mb 460-128489/11-a					
Hg	-.029	ppb	60					
*** Sample ID: Seq: 12 19:45:24 19 Sep 12 HG								
			lcs 460-128489/12-a					
Hg	1.98	ppb	5910					

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 13 19:47:41 19 Sep 12 HG
460-44761-h-1-b
Hg -.029 ppb 62

*** Sample ID: Seq: 14 19:49:29 19 Sep 12 HG
460-44761-h-1-c du
Hg -.021 ppb 84

*** Sample ID: Seq: 15 19:51:57 19 Sep 12 HG
460-44761-h-1-d ms
Hg 2.00 ppb 5963

*** Sample ID: Seq: 16 19:54:42 19 Sep 12 HG
460-44761-h-2-b
Hg -.028 ppb 64

*** Sample ID: Seq: 17 19:56:39 19 Sep 12 HG
460-44761-h-3-b
Hg -.013 ppb 107

*** Sample ID: Seq: 18 19:58:23 19 Sep 12 HG
460-44762-h-1-b
Hg -.022 ppb 80

*** Sample ID: Seq: 19 20:00:09 19 Sep 12 HG
460-44762-h-2-b
Hg -.013 ppb 108

*** Check Standard: 2 Ck2ACCV Seq: 20 20:02:16 19 Sep 12 HG
Line Flag Intensities
Hg 15280

*** Check Standard: 1 Ck1ICB/CCB Seq: 21 20:04:04 19 Sep 12 HG
Line Flag Intensities
Hg -52

*** Sample ID: Seq: 22 20:05:49 19 Sep 12 HG
460-44762-h-3-b
Hg -.004 ppb 134

*** Sample ID: Seq: 23 20:07:44 19 Sep 12 HG
460-44763-h-1-b
Hg -.014 ppb 105

*** Sample ID: Seq: 24 20:09:27 19 Sep 12 HG
460-44660-a-29-b
Hg -.021 ppb 85

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 25 20:11:22 19 Sep 12 HG
460-44704-g-2-b
Hg -.009 ppb 118

*** Sample ID: Seq: 26 20:13:37 19 Sep 12 HG
460-44724-b-1-a
Hg -.021 ppb 83

*** Sample ID: Seq: 27 20:15:20 19 Sep 12 HG
460-44725-a-1-a
Hg -.014 ppb 105

*** Sample ID: Seq: 28 20:17:29 19 Sep 12 HG
460-44726-a-1-a
Hg .007 ppb 166

*** Sample ID: Seq: 29 20:19:15 19 Sep 12 HG
460-44727-b-1-a
Hg -.076 ppb -77

*** Sample ID: Seq: 30 20:21:09 19 Sep 12 HG
460-44613-d-2-a
Hg -.019 ppb 90

*** Sample ID: Seq: 31 20:22:55 19 Sep 12 HG
460-44768-c-1-a
Hg -.023 ppb 77

*** Check Standard: 2 Ck2ACCV Seq: 32 20:24:59 19 Sep 12 HG
Line Flag Intensities
Hg 15521

*** Check Standard: 1 Ck1ICB/CCB Seq: 33 20:27:02 19 Sep 12 HG
Line Flag Intensities
Hg 38

*** Sample ID: Seq: 34 20:29:06 19 Sep 12 HG
460-44765-d-1-a
Hg -.026 ppb 69

*** Sample ID: Seq: 35 20:30:55 19 Sep 12 HG
460-44765-d-2-a
Hg -.009 ppb 118

*** Sample ID: Seq: 36 20:32:40 19 Sep 12 HG
460-44765-d-3-a
Hg -.016 ppb 99

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 37 20:34:26 19 Sep 12 HG
460-44765-d-4-a
Hg -.027 ppb 66

*** Sample ID: Seq: 38 20:36:30 19 Sep 12 HG
460-44765-d-5-a
Hg -.013 ppb 108

*** Sample ID: Seq: 39 20:38:24 19 Sep 12 HG
SD 460-44761-h-1-b@5
Hg -.009 ppb 119

*** Check Standard: 2 Ck2ACCV Seq: 40 20:40:08 19 Sep 12 HG
Line Flag Intensities
Hg 15150

*** Check Standard: 1 Ck1ICB/CCB Seq: 41 20:42:04 19 Sep 12 HG
Line Flag Intensities
Hg 24

*** Sample ID: Seq: 42 20:44:00 19 Sep 12 HG
mb 460-128490/10-a
Hg -.018 ppb 93

*** Sample ID: Seq: 43 20:45:54 19 Sep 12 HG
lcs 460-128490/11-a
Hg .989 ppb 3021

*** Sample ID: Seq: 44 20:47:38 19 Sep 12 HG
460-44710-s-4-a
Hg -.031 ppb 54

*** Sample ID: Seq: 45 20:49:33 19 Sep 12 HG
460-44710-s-4-b du
Hg -.023 ppb 79

*** Sample ID: Seq: 46 20:51:23 19 Sep 12 HG
460-44710-s-4-c ms
Hg .995 ppb 3038

*** Sample ID: Seq: 47 20:53:10 19 Sep 12 HG
460-44710-s-1-a
Hg .899 ppb 2758

*** Sample ID: Seq: 48 20:55:07 19 Sep 12 HG
460-44710-s-2-a
Hg 3.74 ppb 11022

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 49 20:56:52 19 Sep 12 HG
460-44710-s-3-a
Hg -.063 ppb -37

*** Sample ID: Seq: 50 20:58:39 19 Sep 12 HG
460-44710-s-5-a
Hg .308 ppb 1041

*** Sample ID: Seq: 51 21:00:27 19 Sep 12 HG
460-44710-p-6-a
Hg -.029 ppb 62

*** Check Standard: 2 Ck2ACCV Seq: 52 21:02:11 19 Sep 12 HG
Line Flag Intensities
Hg 15317

*** Check Standard: 1 Ck1ICB/CCB Seq: 53 21:03:55 19 Sep 12 HG
Line Flag Intensities
Hg -84

*** Sample ID: Seq: 54 21:05:42 19 Sep 12 HG
460-44733-f-2-a
Hg -.022 ppb 81

*** Sample ID: Seq: 55 21:07:27 19 Sep 12 HG
460-44733-f-3-a
Hg .002 ppb 150

*** Sample ID: Seq: 56 21:09:13 19 Sep 12 HG
460-44733-f-4-a
Hg -.016 ppb 100

*** Sample ID: Seq: 57 21:11:13 19 Sep 12 HG
460-44733-f-5-a
Hg -.007 ppb 126

*** Sample ID: Seq: 58 21:13:38 19 Sep 12 HG
460-44723-c-3-a
Hg .001 ppb 149

*** Sample ID: Seq: 59 21:15:44 19 Sep 12 HG
460-44757-d-1-a
Hg -.021 ppb 84

*** Sample ID: Seq: 60 21:18:09 19 Sep 12 HG
460-44757-d-2-a
Hg -.021 ppb 83

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 61 21:19:54 19 Sep 12 HG
460-44757-d-3-a
Hg -.045 ppb 15

*** Sample ID: Seq: 62 21:21:40 19 Sep 12 HG
460-44757-d-4-a
Hg -.038 ppb 36

*** Sample ID: Seq: 63 21:23:25 19 Sep 12 HG
460-44757-d-5-a
Hg -.015 ppb 102

*** Check Standard: 2 Ck2ACCV Seq: 64 21:25:21 19 Sep 12 HG
Line Flag Intensities
Hg 15139

*** Check Standard: 1 Ck1ICB/CCB Seq: 65 21:27:28 19 Sep 12 HG
Line Flag Intensities
Hg 61

*** Sample ID: Seq: 66 21:29:35 19 Sep 12 HG
460-44757-d-6-a
Hg -.035 ppb 43

*** Sample ID: Seq: 67 21:31:26 19 Sep 12 HG
460-44757-d-7-a
Hg -.038 ppb 36

*** Sample ID: Seq: 68 21:33:22 19 Sep 12 HG
460-44757-d-8-a
Hg -.028 ppb 65

*** Sample ID: Seq: 69 21:35:12 19 Sep 12 HG
460-44757-d-9-a
Hg -.021 ppb 85

*** Sample ID: Seq: 70 21:37:39 19 Sep 12 HG
SD 460-44710-s-4-a@5
Hg -.035 ppb 42

*** Check Standard: 2 Ck2ACCV Seq: 71 21:39:24 19 Sep 12 HG
Line Flag Intensities
Hg 15028

*** Check Standard: 1 Ck1ICB/CCB Seq: 72 21:41:07 19 Sep 12 HG
Line Flag Intensities
Hg -41

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 73 21:42:54 19 Sep 12 HG								
mb 460-128493/10-a								
Hg	-0.023	ppb		78				
*** Sample ID: Seq: 74 21:44:38 19 Sep 12 HG								
lcs 460-128493/11-a								
Hg	5.05	ppb		14832				
*** Sample ID: Seq: 75 21:46:55 19 Sep 12 HG								
460-44616-a-13-b								
Hg	-0.049	ppb		3				
*** Sample ID: Seq: 76 21:48:43 19 Sep 12 HG								
460-44616-a-13-c du								
Hg	-0.033	ppb		49				
*** Sample ID: Seq: 77 21:51:41 19 Sep 12 HG								
460-44616-a-13-d ms								
Hg	5.03	ppb		14768				
*** Sample ID: Seq: 78 21:53:36 19 Sep 12 HG								
460-44625-a-1-j								
Hg	-0.045	ppb		14				
*** Check Standard: 2 Ck2ACCV Seq: 79 21:55:25 19 Sep 12 HG								
Line	Flag		Intensities					
Hg			15208					
*** Check Standard: 1 Ck1ICB/CCB Seq: 80 21:57:33 19 Sep 12 HG								
Line	Flag		Intensities					
Hg			57					
*** Sample ID: Seq: 81 21:59:27 19 Sep 12 HG								
460-43467-a-1-b								
Hg	-0.027	ppb		68				
*** Sample ID: Seq: 82 22:01:12 19 Sep 12 HG								
460-44689-a-1-i								
Hg	-0.025	ppb		73				
*** Sample ID: Seq: 83 22:03:29 19 Sep 12 HG								
lb 460-128153/1-d								
Hg	-0.000	ppb		145				
*** Sample ID: Seq: 84 22:05:24 19 Sep 12 HG								
lb 460-128302/1-b								
Hg	-0.026	ppb		69				

Protocol: 245_7470

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 85 22:07:14 19 Sep 12 HG

SD 460-44616-a-13-b@

Hg -.033 ppb 49

*** Check Standard: 2 Ck2ACCV Seq: 86 22:09:01 19 Sep 12 HG

Line Flag Intensities

Hg 15240

*** Check Standard: 1 Ck1ICB/CCB Seq: 87 22:11:37 19 Sep 12 HG

Line Flag Intensities

Hg 118

Protocol: 245_7470

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1 Seq: 1 19:48:47 21 Sep 12 HG								
Hg	.000	ppb	-174					
*** Standard: 2 Rep: 1 Seq: 2 19:50:37 21 Sep 12 HG								
Hg	.200	ppb	588					
*** Standard: 3 Rep: 1 Seq: 3 19:53:34 21 Sep 12 HG								
Hg	1.00	ppb	3883					
*** Standard: 4 Rep: 1 Seq: 4 19:55:30 21 Sep 12 HG								
Hg	2.00	ppb	7764					
*** Standard: 5 Rep: 1 Seq: 5 19:57:20 21 Sep 12 HG								
Hg	5.00	ppb	18708					
*** Standard: 6 Rep: 1 Seq: 6 19:59:34 21 Sep 12 HG								
Hg	10.0	ppb	37887					
*** Check Standard: 3 Ck3AICV Seq: 7 20:01:20 21 Sep 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.4	4.97	5.00	ppb	.000		
*** Check Standard: 1 Ck1ICB/CCB Seq: 8 20:03:04 21 Sep 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.023	.200	ppb	.000			
*** Sample ID: Seq: 9 20:05:28 21 Sep 12 HG								
			MCL					
Hg	1.93	ppb	.000	1.93				
*** Sample ID: Seq: 10 20:07:46 21 Sep 12 HG								
			mb 460-128876/11-a					
Hg	.050	ppb	.000	.050				
*** Sample ID: Seq: 11 20:10:20 21 Sep 12 HG								
			lcs 460-128876/12-a					
Hg	2.11	ppb	.000	2.11				
*** Sample ID: Seq: 12 20:12:18 21 Sep 12 HG								
			460-44894-h-1-b					
Hg	-.026	ppb	.000	-.026				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 13 20:14:04 21 Sep 12 HG								
460-44894-h-1-c du								
Hg	.048	ppb	.000	.048				
*** Sample ID: Seq: 14 20:15:58 21 Sep 12 HG								
460-44894-h-1-d ms								
Hg	2.04	ppb	.000	2.04				
*** Sample ID: Seq: 15 20:17:43 21 Sep 12 HG								
460-44890-h-1-b								
Hg	-.059	ppb	.000	-.059				
*** Sample ID: Seq: 16 20:19:33 21 Sep 12 HG								
460-44890-h-2-b								
Hg	.057	ppb	.000	.057				
*** Sample ID: Seq: 17 20:22:02 21 Sep 12 HG								
460-44890-h-3-b								
Hg	.071	ppb	.000	.071				
*** Sample ID: Seq: 18 20:23:58 21 Sep 12 HG								
460-44892-h-1-d								
Hg	.044	ppb	.000	.044				
*** Check Standard: 2 Ck2ACCV Seq: 19 20:26:03 21 Sep 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.	5.08	5.00	ppb	.000		
*** Check Standard: 1 Ck1ICB/CCB Seq: 20 20:27:58 21 Sep 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.061	.200	ppb	.000			
*** Sample ID: Seq: 21 20:29:42 21 Sep 12 HG								
460-44892-h-2-b								
Hg	-.020	ppb	.000	-.020				
*** Sample ID: Seq: 22 20:32:05 21 Sep 12 HG								
460-44892-h-3-b								
Hg	.066	ppb	.000	.066				
*** Sample ID: Seq: 23 20:33:51 21 Sep 12 HG								
460-44894-h-2-b								
Hg	.032	ppb	.000	.032				
*** Sample ID: Seq: 24 20:35:47 21 Sep 12 HG								
460-44894-h-3-b								
Hg	-.034	ppb	.000	-.034				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 25 20:37:37 21 Sep 12 HG
460-44895-h-1-b
Hg .051 ppb .000 .051

*** Sample ID: Seq: 26 20:39:21 21 Sep 12 HG
460-44895-h-2-b
Hg .088 ppb .000 .088

*** Sample ID: Seq: 27 20:41:16 21 Sep 12 HG
460-44895-h-3-b
Hg .012 ppb .000 .012

*** Sample ID: Seq: 28 20:43:41 21 Sep 12 HG
460-44896-h-1-b
Hg .148 ppb .000 .148

*** Sample ID: Seq: 29 20:45:29 21 Sep 12 HG
460-44898-h-1-b
Hg -.032 ppb .000 -.032

*** Sample ID: Seq: 30 20:47:13 21 Sep 12 HG
460-44875-h-4-a
Hg .093 ppb .000 .093

*** Check Standard: 2 Ck2ACCV Seq: 31 20:49:37 21 Sep 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.	5.11	5.00	ppb	.000

*** Check Standard: 1 Ck1ICB/CCB Seq: 32 20:51:30 21 Sep 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.010	.200	ppb	.000

*** Sample ID: Seq: 33 20:53:15 21 Sep 12 HG
460-44875-h-5-a
Hg .094 ppb .000 .094

*** Sample ID: Seq: 34 20:55:22 21 Sep 12 HG
460-44875-h-6-a
Hg -.007 ppb .000 -.007

*** Sample ID: Seq: 35 20:57:19 21 Sep 12 HG
460-44855-g-1-b
Hg .089 ppb .000 .089

*** Sample ID: Seq: 36 20:59:04 21 Sep 12 HG
460-44855-g-4-b
Hg .056 ppb .000 .056

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 37 21:00:59 21 Sep 12 HG
 460-44901-k-2-a
 Hg .062 ppb .000 .062

*** Sample ID: Seq: 38 21:02:53 21 Sep 12 HG
 SD 460-44894-h-1-b@5
 Hg .044 ppb .000 .044

*** Check Standard: 2 Ck2ACCV Seq: 39 21:05:49 21 Sep 12 HG
 Line Flag %Rcv. Found True Units SD/RSD
 Hg 102. 5.11 5.00 ppb .000

*** Check Standard: 1 Ck1ICB/CCB Seq: 40 21:07:34 21 Sep 12 HG
 Line Flag Found Range(+/-) Units SD/RSD
 Hg -.012 .200 ppb .000

*** Sample ID: Seq: 41 21:09:22 21 Sep 12 HG
 mb 460-128864/1-b
 Hg .043 ppb .000 .043

*** Sample ID: Seq: 42 21:11:07 21 Sep 12 HG
 lcs 460-128878/11-a
 Hg 1.03 ppb .000 1.03

*** Sample ID: Seq: 43 21:13:33 21 Sep 12 HG
 460-44876-e-1-b
 Hg .037 ppb .000 .037

*** Sample ID: Seq: 44 21:15:28 21 Sep 12 HG
 460-44876-e-1-c du
 Hg .044 ppb .000 .044

*** Sample ID: Seq: 45 21:17:24 21 Sep 12 HG
 460-44876-e-1-d ms
 Hg 1.02 ppb .000 1.02

*** Sample ID: Seq: 46 21:19:12 21 Sep 12 HG
 460-44815-e-1-b
 Hg .037 ppb .000 .037

*** Sample ID: Seq: 47 21:20:56 21 Sep 12 HG
 460-44815-e-2-b
 Hg .045 ppb .000 .045

*** Sample ID: Seq: 48 21:22:43 21 Sep 12 HG
 460-44815-d-5-b
 Hg .043 ppb .000 .043

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 49 21:24:41 21 Sep 12 HG
460-44876-e-2-b
Hg .044 ppb .000 .044

*** Sample ID: Seq: 50 21:26:28 21 Sep 12 HG
460-44765-c-1-b
Hg .046 ppb .000 .046

*** Check Standard: 2 Ck2ACCV Seq: 51 21:28:46 21 Sep 12 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 102. 5.12 5.00 ppb .000

*** Check Standard: 1 Ck1ICB/CCB Seq: 52 21:30:39 21 Sep 12 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg .022 .200 ppb .000

*** Sample ID: Seq: 53 21:32:25 21 Sep 12 HG
460-44765-c-2-b
Hg .046 ppb .000 .046

*** Sample ID: Seq: 54 21:34:12 21 Sep 12 HG
460-44765-c-3-b
Hg .050 ppb .000 .050

*** Sample ID: Seq: 55 21:36:01 21 Sep 12 HG
460-44765-c-4-b
Hg .042 ppb .000 .042

*** Sample ID: Seq: 56 21:38:07 21 Sep 12 HG
460-44765-c-5-b
Hg .050 ppb .000 .050

*** Sample ID: Seq: 57 21:40:01 21 Sep 12 HG
460-44885-e-1-a
Hg .058 ppb .000 .058

*** Sample ID: Seq: 58 21:42:11 21 Sep 12 HG
460-44889-e-1-a
Hg .042 ppb .000 .042

*** Sample ID: Seq: 59 21:44:06 21 Sep 12 HG
460-44889-e-2-a
Hg .036 ppb .000 .036

*** Sample ID: Seq: 60 21:46:16 21 Sep 12 HG
460-44889-e-3-a
Hg .038 ppb .000 .038

Protocol: 245_7470

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 61 21:48:14 21 Sep 12 HG

460-44889-a-4-a

Hg .035 ppb .000 .035

*** Sample ID: Seq: 62 21:50:01 21 Sep 12 HG

SD 460-44876-e-1-b@5

Hg .039 ppb .000 .039

*** Check Standard: 2 Ck2ACCV Seq: 63 21:52:40 21 Sep 12 HG

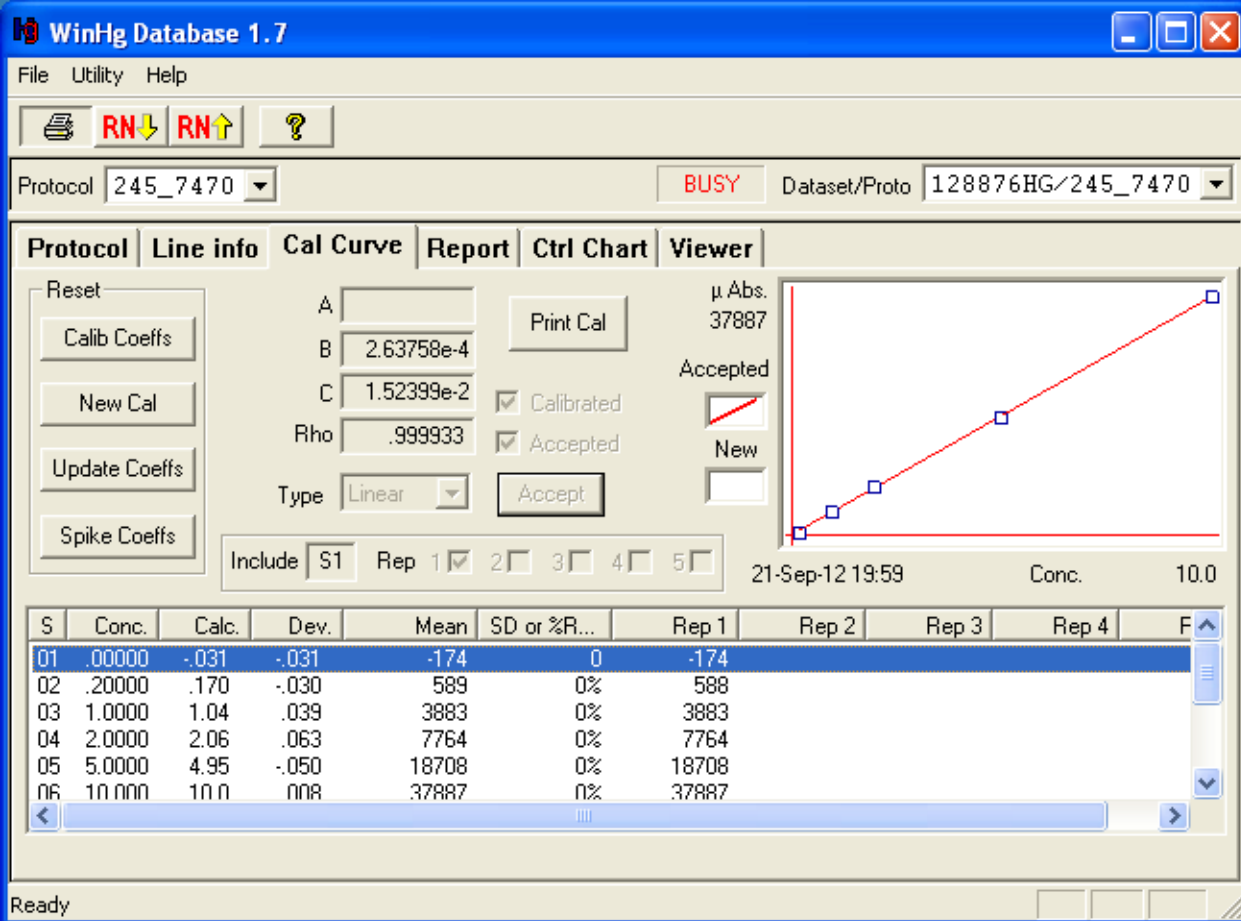
Line Flag %Rcv. Found True Units SD/RSD

Hg 103. 5.17 5.00 ppb .000

*** Check Standard: 1 Ck1ICB/CCB Seq: 64 21:54:26 21 Sep 12 HG

Line Flag Found Range(+/-) Units SD/RSD

Hg .001 .200 ppb .000



POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 1 19:48:47 21 Sep 12 HG

Hg .000 ppb -174

*** Standard: 2 Rep: 1 Seq: 2 19:50:37 21 Sep 12 HG

Hg .200 ppb 588

*** Standard: 3 Rep: 1 Seq: 3 19:53:34 21 Sep 12 HG

Hg 1.00 ppb 3883

*** Standard: 4 Rep: 1 Seq: 4 19:55:30 21 Sep 12 HG

Hg 2.00 ppb 7764

*** Standard: 5 Rep: 1 Seq: 5 19:57:20 21 Sep 12 HG

Hg 5.00 ppb 18708

*** Standard: 6 Rep: 1 Seq: 6 19:59:34 21 Sep 12 HG

Hg 10.0 ppb 37887

*** Check Standard: 3 Ck3AICV Seq: 7 20:01:20 21 Sep 12 HG

Line Flag Intensities
Hg 18784

*** Check Standard: 1 Ck1ICB/CCB Seq: 8 20:03:04 21 Sep 12 HG

Line Flag Intensities
Hg -145

*** Sample ID: Seq: 9 20:05:28 21 Sep 12 HG

MCL
Hg 1.93 ppb 7259

*** Sample ID: Seq: 10 20:07:46 21 Sep 12 HG

mb 460-128876/11-a
Hg .050 ppb 132

*** Sample ID: Seq: 11 20:10:20 21 Sep 12 HG

lcs 460-128876/12-a
Hg 2.11 ppb 7937

*** Sample ID: Seq: 12 20:12:18 21 Sep 12 HG

460-44894-h-1-b
Hg -.026 ppb -156

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 13 20:14:04 21 Sep 12 HG
460-44894-h-1-c du
Hg .048 ppb 125

*** Sample ID: Seq: 14 20:15:58 21 Sep 12 HG
460-44894-h-1-d ms
Hg 2.04 ppb 7668

*** Sample ID: Seq: 15 20:17:43 21 Sep 12 HG
460-44890-h-1-b
Hg -.059 ppb -280

*** Sample ID: Seq: 16 20:19:33 21 Sep 12 HG
460-44890-h-2-b
Hg .057 ppb 160

*** Sample ID: Seq: 17 20:22:02 21 Sep 12 HG
460-44890-h-3-b
Hg .071 ppb 210

*** Sample ID: Seq: 18 20:23:58 21 Sep 12 HG
460-44892-h-1-d
Hg .044 ppb 110

*** Check Standard: 2 Ck2ACCV Seq: 19 20:26:03 21 Sep 12 HG
Line Flag Intensities
Hg 19184

*** Check Standard: 1 Ck1ICB/CCB Seq: 20 20:27:58 21 Sep 12 HG
Line Flag Intensities
Hg -289

*** Sample ID: Seq: 21 20:29:42 21 Sep 12 HG
460-44892-h-2-b
Hg -.020 ppb -133

*** Sample ID: Seq: 22 20:32:05 21 Sep 12 HG
460-44892-h-3-b
Hg .066 ppb 191

*** Sample ID: Seq: 23 20:33:51 21 Sep 12 HG
460-44894-h-2-b
Hg .032 ppb 64

*** Sample ID: Seq: 24 20:35:47 21 Sep 12 HG
460-44894-h-3-b
Hg -.034 ppb -186

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 25 20:37:37 21 Sep 12 HG
 460-44895-h-1-b
 Hg .051 ppb 137

*** Sample ID: Seq: 26 20:39:21 21 Sep 12 HG
 460-44895-h-2-b
 Hg .088 ppb 275

*** Sample ID: Seq: 27 20:41:16 21 Sep 12 HG
 460-44895-h-3-b
 Hg .012 ppb -12

*** Sample ID: Seq: 28 20:43:41 21 Sep 12 HG
 460-44896-h-1-b
 Hg .148 ppb 502

*** Sample ID: Seq: 29 20:45:29 21 Sep 12 HG
 460-44898-h-1-b
 Hg -.032 ppb -179

*** Sample ID: Seq: 30 20:47:13 21 Sep 12 HG
 460-44875-h-4-a
 Hg .093 ppb 293

*** Check Standard: 2 Ck2ACCV Seq: 31 20:49:37 21 Sep 12 HG
 Line Flag Intensities
 Hg 19305

*** Check Standard: 1 Ck1ICB/CCB Seq: 32 20:51:30 21 Sep 12 HG
 Line Flag Intensities
 Hg -97

*** Sample ID: Seq: 33 20:53:15 21 Sep 12 HG
 460-44875-h-5-a
 Hg .094 ppb 297

*** Sample ID: Seq: 34 20:55:22 21 Sep 12 HG
 460-44875-h-6-a
 Hg -.007 ppb -83

*** Sample ID: Seq: 35 20:57:19 21 Sep 12 HG
 460-44855-g-1-b
 Hg .089 ppb 278

*** Sample ID: Seq: 36 20:59:04 21 Sep 12 HG
 460-44855-g-4-b
 Hg .056 ppb 155

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 37 21:00:59 21 Sep 12 HG
460-44901-k-2-a
Hg .062 ppb 177

*** Sample ID: Seq: 38 21:02:53 21 Sep 12 HG
SD 460-44894-h-1-b@5
Hg .044 ppb 109

*** Check Standard: 2 Ck2ACCV Seq: 39 21:05:49 21 Sep 12 HG
Line Flag Intensities
Hg 19308

*** Check Standard: 1 Ck1ICB/CCB Seq: 40 21:07:34 21 Sep 12 HG
Line Flag Intensities
Hg -102

*** Sample ID: Seq: 41 21:09:22 21 Sep 12 HG
mb 460-128864/1-b
Hg .043 ppb 104

*** Sample ID: Seq: 42 21:11:07 21 Sep 12 HG
lcs 460-128878/11-a
Hg 1.03 ppb 3851

*** Sample ID: Seq: 43 21:13:33 21 Sep 12 HG
460-44876-e-1-b
Hg .037 ppb 83

*** Sample ID: Seq: 44 21:15:28 21 Sep 12 HG
460-44876-e-1-c du
Hg .044 ppb 110

*** Sample ID: Seq: 45 21:17:24 21 Sep 12 HG
460-44876-e-1-d ms
Hg 1.02 ppb 3822

*** Sample ID: Seq: 46 21:19:12 21 Sep 12 HG
460-44815-e-1-b
Hg .037 ppb 83

*** Sample ID: Seq: 47 21:20:56 21 Sep 12 HG
460-44815-e-2-b
Hg .045 ppb 114

*** Sample ID: Seq: 48 21:22:43 21 Sep 12 HG
460-44815-d-5-b
Hg .043 ppb 104

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 49 21:24:41 21 Sep 12 HG
460-44876-e-2-b
Hg .044 ppb 109

*** Sample ID: Seq: 50 21:26:28 21 Sep 12 HG
460-44765-c-1-b
Hg .046 ppb 118

*** Check Standard: 2 Ck2ACCV Seq: 51 21:28:46 21 Sep 12 HG
Line Flag Intensities
Hg 19359

*** Check Standard: 1 Ck1ICB/CCB Seq: 52 21:30:39 21 Sep 12 HG
Line Flag Intensities
Hg 26

*** Sample ID: Seq: 53 21:32:25 21 Sep 12 HG
460-44765-c-2-b
Hg .046 ppb 117

*** Sample ID: Seq: 54 21:34:12 21 Sep 12 HG
460-44765-c-3-b
Hg .050 ppb 130

*** Sample ID: Seq: 55 21:36:01 21 Sep 12 HG
460-44765-c-4-b
Hg .042 ppb 101

*** Sample ID: Seq: 56 21:38:07 21 Sep 12 HG
460-44765-c-5-b
Hg .050 ppb 131

*** Sample ID: Seq: 57 21:40:01 21 Sep 12 HG
460-44885-e-1-a
Hg .058 ppb 161

*** Sample ID: Seq: 58 21:42:11 21 Sep 12 HG
460-44889-e-1-a
Hg .042 ppb 102

*** Sample ID: Seq: 59 21:44:06 21 Sep 12 HG
460-44889-e-2-a
Hg .036 ppb 77

*** Sample ID: Seq: 60 21:46:16 21 Sep 12 HG
460-44889-e-3-a
Hg .038 ppb 86

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 61 21:48:14 21 Sep 12 HG

460-44889-a-4-a

Hg .035 ppb 76

*** Sample ID: Seq: 62 21:50:01 21 Sep 12 HG

SD 460-44876-e-1-b@5

Hg .039 ppb 89

*** Check Standard: 2 Ck2ACCV Seq: 63 21:52:40 21 Sep 12 HG

Line Flag Intensities

Hg 19532

*** Check Standard: 1 Ck1ICB/CCB Seq: 64 21:54:26 21 Sep 12 HG

Line Flag Intensities

Hg -53

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Batch Number: 128757 Batch Start Date: 09/21/12 08:09 Batch Analyst: Chen, MandiBatch Method: 3010A Batch End Date: 09/21/12 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_LCS-int 00033			
MB 460-128757/1		3010A, 6010B		50 mL	50 mL				
LCS 460-128757/2		3010A, 6010B		50 mL	50 mL	1 mL			
460-44765-D-1	SW-17338-091712-SW5-MM-200	3010A, 6010B	T	50 mL	50 mL				
460-44765-D-1 DU	SW-17338-091712-SW5-MM-200	3010A, 6010B	T	50 mL	50 mL				
460-44765-D-1 MS	SW-17338-091712-SW5-MM-200	3010A, 6010B	T	50 mL	50 mL	1 mL			
460-44765-D-2	SW-17338-091712-SW4-MM-201	3010A, 6010B	T	50 mL	50 mL				
460-44765-D-3	SW-17338-091712-SW3-MM-202	3010A, 6010B	T	50 mL	50 mL				
460-44765-D-4	SW-17338-091712-SW2-MM-203	3010A, 6010B	T	50 mL	50 mL				
460-44765-D-5	SW-17338-091712-SW1-MM-204	3010A, 6010B	T	50 mL	50 mL				

Batch Notes	
Batch Comment	1:1 HCL LOT MPR 210, 1:1 HNO3 LOT MPR 209
Filter Paper Lot Number	09-790F
Lot # of hydrochloric acid	L02A02
Hot Block ID number	2
Oven, Bath or Block Temperature 1	94 Degrees C
Pipette ID	25
ID number of the thermometer	2
Digestion Tube/Cup Lot #	146374264
Uncorrected Temperature	95 Degrees C

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Batch Number: 128864 Batch Start Date: 09/21/12 15:45 Batch Analyst: Staib, ThomasBatch Method: FILTRATION Batch End Date: 09/21/12 16:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AnalysisComment			
MB 460-128864/1		FILTRATION, 3010A, 6010B		130 mL	130 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			
460-44765-C-1	SW-17338-091712- SW5-MM-200	FILTRATION, 3010A, 6010B	D	130 mL	130 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			
460-44765-C-2	SW-17338-091712- SW4-MM-201	FILTRATION, 3010A, 6010B	D	130 mL	130 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			
460-44765-C-3	SW-17338-091712- SW3-MM-202	FILTRATION, 3010A, 6010B	D	130 mL	130 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			
460-44765-C-4	SW-17338-091712- SW2-MM-203	FILTRATION, 3010A, 6010B	D	130 mL	130 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			
460-44765-C-5	SW-17338-091712- SW1-MM-204	FILTRATION, 3010A, 6010B	D	130 mL	130 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			

Batch Notes	
Filter Lot #	1069782
Lot # of Nitric Acid	L03021

Basis	Basis Description
D	Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Batch Number: 129011 Batch Start Date: 09/24/12 08:43 Batch Analyst: Chen, MandiBatch Method: 3010A Batch End Date: 09/24/12 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_LCS-int 00033			
MB 460-128864/1-A		3010A, 6010B		50 mL	50 mL				
LCS 460-129011/2		3010A, 6010B		50 mL	50 mL	1 mL			
460-44765-C-1-A	SW-17338-091712-SW5-MM-200	3010A, 6010B	D	50 mL	50 mL				
460-44765-C-1-A DU	SW-17338-091712-SW5-MM-200	3010A, 6010B	D	50 mL	50 mL				
460-44765-C-1-A MS	SW-17338-091712-SW5-MM-200	3010A, 6010B	D	50 mL	50 mL	1 mL			
460-44765-C-2-A	SW-17338-091712-SW4-MM-201	3010A, 6010B	D	50 mL	50 mL				
460-44765-C-3-A	SW-17338-091712-SW3-MM-202	3010A, 6010B	D	50 mL	50 mL				
460-44765-C-4-A	SW-17338-091712-SW2-MM-203	3010A, 6010B	D	50 mL	50 mL				
460-44765-C-5-A	SW-17338-091712-SW1-MM-204	3010A, 6010B	D	50 mL	50 mL				

Batch Notes	
Filter Paper Lot Number	09-790F
Lot # of hydrochloric acid	1:1HCL - MPR210
Lot # of Nitric Acid	LO3021
Hot Block ID number	4
Oven, Bath or Block Temperature 1	94 Degrees C
Pipette ID	25
ID number of the thermometer	icp-2
Digestion Tube/Cup Lot #	144647263
Uncorrected Temperature	95 Degrees C

Basis	Basis Description
D	Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Batch Number: 128489 Batch Start Date: 09/19/12 17:00 Batch Analyst: Staib, ThomasBatch Method: 7470A Batch End Date: 09/19/12 19:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 00908	ME_DQCS-INT 00625		
ICV 460-128489/7		7470A, 7470A		100 mL	100 mL		5 mL		
CCV 460-128489/8		7470A, 7470A		100 mL	100 mL		5 mL		
CCB 460-128489/9		7470A, 7470A		100 mL	100 mL				
MB 460-128489/11		7470A, 7470A		30 mL	30 mL				
LCS 460-128489/12		7470A, 7470A		30 mL	30 mL	0.6 mL			
460-44761-H-1 DU		7470A, 7470A	T	30 mL	30 mL				
460-44761-H-1 MS		7470A, 7470A	T	30 mL	30 mL	0.6 mL			
460-44765-D-1	SW-17338-091712- SW5-MM-200	7470A, 7470A	T	30 mL	30 mL				
460-44765-D-2	SW-17338-091712- SW4-MM-201	7470A, 7470A	T	30 mL	30 mL				
460-44765-D-3	SW-17338-091712- SW3-MM-202	7470A, 7470A	T	30 mL	30 mL				
460-44765-D-4	SW-17338-091712- SW2-MM-203	7470A, 7470A	T	30 mL	30 mL				
460-44765-D-5	SW-17338-091712- SW1-MM-204	7470A, 7470A	T	30 mL	30 mL				

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Batch Number: 128489 Batch Start Date: 09/19/12 17:00 Batch Analyst: Staib, ThomasBatch Method: 7470A Batch End Date: 09/19/12 19:00

Batch Notes	
Hydroxylamine Hydrochloride Lot	HgR01492
Sulfuric Acid Lot Number	K20042
Lot # of hydrochloric acid	HgR01493
Lot # of Nitric Acid	L03021
Hood ID or number	#2
Hot Block ID number	#9
Potassium Persulfate Lot Number	HgR01491
Potassium Permanganate Lot Number	HgR01490
NaCL Lot #	HgR01492
Oven, Bath or Block Temperature 1	Uncorrected Temperature 96 Degrees C
Pipette ID	#25
Stannous Chloride Lot Number	HgR01494
Temperature	95 Degrees C
ID number of the thermometer	Prep-1 (CF -1)

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Batch Number: 128864 Batch Start Date: 09/21/12 15:45 Batch Analyst: Staib, Thomas

Batch Method: FILTRATION Batch End Date: 09/21/12 16:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AnalysisComment			
MB 460-128864/1		FILTRATION, 7470A, 7470A		130 mL	130 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			
460-44765-C-1	SW-17338-091712- SW5-MM-200	FILTRATION, 7470A, 7470A	D	130 mL	130 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			
460-44765-C-2	SW-17338-091712- SW4-MM-201	FILTRATION, 7470A, 7470A	D	130 mL	130 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			
460-44765-C-3	SW-17338-091712- SW3-MM-202	FILTRATION, 7470A, 7470A	D	130 mL	130 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			
460-44765-C-4	SW-17338-091712- SW2-MM-203	FILTRATION, 7470A, 7470A	D	130 mL	130 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			
460-44765-C-5	SW-17338-091712- SW1-MM-204	FILTRATION, 7470A, 7470A	D	130 mL	130 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			

Batch Notes	
Filter Lot #	1069782
Lot # of Nitric Acid	L03021

Basis	Basis Description
D	Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Batch Number: 128876 Batch Start Date: 09/21/12 17:30 Batch Analyst: Staib, ThomasBatch Method: 245.1 Batch End Date: 09/21/12 19:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DQCS-INT 00627			
ICV 460-128876/7		245.1, 7470A		100 mL	100 mL	5 mL			
CCV 460-128876/8		245.1, 7470A		100 mL	100 mL	5 mL			
CCB 460-128876/9		245.1, 7470A		100 mL	100 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	HgR01492
Sulfuric Acid Lot Number	K20042
Lot # of hydrochloric acid	HgR01493
Lot # of Nitric Acid	L03021
Hood ID or number	#2
Hot Block ID number	#9
Potassium Persulfate Lot Number	HgR01491
Potassium Permanganate Lot Number	HgR01490
NaCL Lot #	HgR01492
Oven, Bath or Block Temperature 1	Uncorrected Temperature 96 Degrees C
Pipette ID	#25
Stannous Chloride Lot Number	HgR01494
Temperature	95 Degrees C
ID number of the thermometer	Prep-1 (CF -1)

Basis	Basis Description

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Batch Number: 128878 Batch Start Date: 09/21/12 17:30 Batch Analyst: Staib, Thomas

Batch Method: 7470A Batch End Date: 09/21/12 19:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 00910			
MB 460-128864/1-A		7470A, 7470A		30 mL	30 mL				
LCS 460-128878/11		7470A, 7470A		30 mL	30 mL	0.3 mL			
460-44876-E-1-A		7470A, 7470A	D	30 mL	30 mL				
DU 460-44876-E-1-A		7470A, 7470A	D	30 mL	30 mL	0.3 mL			
MS 460-44765-C-1-A	SW-17338-091712- SW5-MM-200	7470A, 7470A	D	30 mL	30 mL				
460-44765-C-2-A	SW-17338-091712- SW4-MM-201	7470A, 7470A	D	30 mL	30 mL				
460-44765-C-3-A	SW-17338-091712- SW3-MM-202	7470A, 7470A	D	30 mL	30 mL				
460-44765-C-4-A	SW-17338-091712- SW2-MM-203	7470A, 7470A	D	30 mL	30 mL				
460-44765-C-5-A	SW-17338-091712- SW1-MM-204	7470A, 7470A	D	30 mL	30 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	HgR01492
Sulfuric Acid Lot Number	K20042
Lot # of hydrochloric acid	HgR01493
Lot # of Nitric Acid	L03021
Hood ID or number	#2
Hot Block ID number	#9
Potassium Persulfate Lot Number	HgR01491
Potassium Permanganate Lot Number	HgR01490
NaCL Lot #	HgR01492
Oven, Bath or Block Temperature 1	Uncorrected Temperature 96 Degrees C
Pipette ID	#25
Stannous Chloride Lot Number	HgR01494
Temperature	95 Degrees C
ID number of the thermometer	Prep-1 (CF -1)

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-44765-1

SDG No.: _____

Batch Number: 128878 Batch Start Date: 09/21/12 17:30 Batch Analyst: Staib, Thomas

Batch Method: 7470A Batch End Date: 09/21/12 19:30

Basis	Basis Description
D	Dissolved

Shipping and Receiving Documents

TestAmerica

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page ____ of ____

Name (for report and invoice) CHES BOREAL		Samplers Name (Printed) M. MYLETT		Site/Project Identification FOULMER GM1	
Company CHA		P.O. #		State (Location of site): NJ: ☐ NY: ☐ Other: DE	
Address		Analysis Turnaround Time Standard ☒ Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐		Regulatory Program: DEPEC	
City Buffalo	State NY	Phone 716 856 2142		Fax	
Sample Identification	Date	Time	Matrix	No. of Cont.	LAB USE ONLY Project No: Job No: 44765 Sample Numbers
SW-17338-041712-SW5-MM-200	9/17/12	09:40	SW	4	1
SW-17338-041712-SW4-MM-201	10:50	1	1	X	2
SW-17338-041712-SW3-MM-202	11:20	1	1	X	3
SW-17338-041712-SW2-MM-203	12:45	1	1	X	4
SW-17338-041712-SW1-MM-204	13:45	1	1	X	5
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH 6 = Other _____, 7 = Other _____ Soil: _____ Water: _____					

Special Instructions

Relinquished by Monte Mott	Company CHA	Date / Time 9/18/12 1415	Received by William C. Long	Company CHA	Water Metals Filtered (Yes/No)? YES
Relinquished by Mike	Company TTA	Date / Time 9/18/12 1455	Received by John Benly	Company TEST AMERICA	
Relinquished by John	Company TA	Date / Time 9/18 1430	Received by John Benly	Company CHA	
Relinquished by John	Company	Date / Time	Received by	Company	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)

Job No. 444765

Sample No.

[illegible]

Sample No(s). adjusted:

Preservative Name/Conc.:

Lot # of Preservative:

* Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Initials:

Date:

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-44765-1

Login Number: 44765

List Source: TestAmerica Edison

List Number: 1

Creator: Elvie, Cloide

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	2.2°C IR#3
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").	True	
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.