

ANALYTICAL REPORT

Job Number: 460-111539-1

Job Description: DEC Elmont546; Site: E130150

For:

New York State D.E.C.
625 Broadway 9th Floor
Albany, NY 12233-7258

Attention: Mr. Brian Jankauskas

Melissa Haas

Approved for release.
Melissa Haas
Project Manager I
5/25/2016 3:36 PM

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05/25/2016
Revision: 1

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Job Number: 460-111539-1

Job Description: DEC Elmont546; Site: E130150

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A handwritten signature in black ink that reads "Melissa Haas". The signature is written in a cursive style with a horizontal line underneath.

Approved for release.
Melissa Haas
Project Manager I
5/25/2016 3:36 PM

Melissa Haas

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CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC Elmont546; Site: E130150

**Report Number: 460-111539-1
Revised Report #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.

REVISION #1

The following report required a revision: 460-111539-1. Details are as follows: The client requested that ICVs be reported for SVOC analysis.

RECEIPT

The samples were received on 4/4/2016 8:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler 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.

SEMIVOLATILE ORGANIC COMPOUNDS

Samples E2 (460-111539-1), E4 (460-111539-2), C5 (460-111539-3) and B4 (460-111539-4) were analyzed for Semivolatile organic compounds in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/04/2016 and analyzed on 04/05/2016.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: E2 (460-111539-1), B4 (460-111539-4) and (460-111539-A-3-A MS). These results have been reported and qualified.

The following laboratory control sample (LCS) associated with batch 460-360667 contained one acid/base surrogate outside acceptance limits:(LCS 460-360667/2-A) and (LCS 460-360667/3-A). The laboratory's SOP allows one acid and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

2-Fluorobiphenyl failed the surrogate recovery criteria high for E2 (460-111539-1). 2-Fluorobiphenyl failed the surrogate recovery criteria high for B4 (460-111539-4). 2-Fluorobiphenyl failed the surrogate recovery criteria high for LCS 460-360667/2-A. 2-Fluorobiphenyl failed the surrogate recovery criteria high for LCS 460-360667/3-A. 2-Fluorobiphenyl failed the surrogate recovery criteria high for C5MS (460-111539-3MS).

Refer to the QC report for details.

Sample B4 (460-111539-4)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

METALS

Samples E2 (460-111539-1), E4 (460-111539-2), C5 (460-111539-3) and B4 (460-111539-4) were analyzed for Metals in accordance with EPA SW-846 Methods 6010C. The samples were prepared on 04/05/2016 and 04/08/2016 and analyzed on 04/05/2016 and

04/10/2016.

Antimony failed the recovery criteria low for the MS of sample 460-110314-10 in batch 460-361731. Aluminum, Iron and Manganese failed the recovery criteria high.

Antimony, Barium, Magnesium and Zinc failed the recovery criteria low for the MS of sample 460-111461-1 in batch 460-360851. Aluminum and Iron failed the recovery criteria high.

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

Thallium exceeded the RPD limit for the duplicate of sample 460-110314-10.

Refer to the QC report for details.

Samples E2 (460-111539-1)[4X], E4 (460-111539-2)[4X], C5 (460-111539-3)[4X] and B4 (460-111539-4)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples E2 (460-111539-1), E4 (460-111539-2), C5 (460-111539-3) and B4 (460-111539-4) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 04/04/2016.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

Sample Summary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-111539-1	E2	Solid	04/04/16 12:40	04/04/16 20:10
460-111539-2	E4	Solid	04/04/16 13:00	04/04/16 20:10
460-111539-3	C5	Solid	04/04/16 13:10	04/04/16 20:10
460-111539-4	B4	Solid	04/04/16 13:15	04/04/16 20:10

Detection Summary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Client Sample ID: E2

Lab Sample ID: 460-111539-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	18	J	34	10	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	25	J	34	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	23	J	340	19	ug/Kg	1	☼	8270D	Total/NA
Butyl benzyl phthalate	22	J	340	10	ug/Kg	1	☼	8270D	Total/NA
Chrysene	18	J	340	9.2	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	16	J	340	10	ug/Kg	1	☼	8270D	Total/NA
Isophorone	100	J	140	7.2	ug/Kg	1	☼	8270D	Total/NA
Pyrene	18	J	340	15	ug/Kg	1	☼	8270D	Total/NA
Aluminum	2240		38.1	19.6	mg/Kg	4	☼	6010C	Total/NA
Arsenic	1.4	J	2.9	0.94	mg/Kg	4	☼	6010C	Total/NA
Barium	15.0	J	38.1	1.4	mg/Kg	4	☼	6010C	Total/NA
Calcium	287	J	952	56.4	mg/Kg	4	☼	6010C	Total/NA
Chromium	4.3		1.9	0.92	mg/Kg	4	☼	6010C	Total/NA
Cobalt	2.0	J	9.5	1.1	mg/Kg	4	☼	6010C	Total/NA
Copper	7.2		4.8	1.2	mg/Kg	4	☼	6010C	Total/NA
Iron	6930		28.6	21.5	mg/Kg	4	☼	6010C	Total/NA
Lead	25.7		1.9	0.75	mg/Kg	4	☼	6010C	Total/NA
Magnesium	445	J	952	47.5	mg/Kg	4	☼	6010C	Total/NA
Manganese	101		2.9	1.0	mg/Kg	4	☼	6010C	Total/NA
Nickel	8.4		7.6	1.4	mg/Kg	4	☼	6010C	Total/NA
Potassium	144	J	952	28.8	mg/Kg	4	☼	6010C	Total/NA
Vanadium	6.9	J	9.5	0.95	mg/Kg	4	☼	6010C	Total/NA
Zinc	71.5		5.7	1.4	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: E4

Lab Sample ID: 460-111539-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	10	J	350	7.8	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	17	J	350	9.1	ug/Kg	1	☼	8270D	Total/NA
Anthracene	42	J	350	34	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	300		35	30	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	320		35	11	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	440		35	14	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	340	J	350	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	170		35	15	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	190	J	350	14	ug/Kg	1	☼	8270D	Total/NA
Butyl benzyl phthalate	630		350	11	ug/Kg	1	☼	8270D	Total/NA
Carbazole	10	J	350	8.8	ug/Kg	1	☼	8270D	Total/NA
Chrysene	330	J	350	9.6	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	73		35	18	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	120	J	350	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	490		350	10	ug/Kg	1	☼	8270D	Total/NA
Fluorene	8.3	J	350	7.7	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	320		35	24	ug/Kg	1	☼	8270D	Total/NA
Isophorone	210		140	7.6	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	19	J	350	9.0	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	150	J	350	9.4	ug/Kg	1	☼	8270D	Total/NA
Pyrene	450		350	16	ug/Kg	1	☼	8270D	Total/NA
Aluminum	2660		39.6	20.4	mg/Kg	4	☼	6010C	Total/NA
Arsenic	3.1		3.0	0.97	mg/Kg	4	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Edison

Detection Summary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Client Sample ID: E4 (Continued)

Lab Sample ID: 460-111539-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Barium	77.0		39.6	1.4	mg/Kg	4	✖		6010C	Total/NA
Cadmium	2.2		0.79	0.41	mg/Kg	4	✖		6010C	Total/NA
Calcium	2320		991	58.6	mg/Kg	4	✖		6010C	Total/NA
Chromium	18.0		2.0	0.96	mg/Kg	4	✖		6010C	Total/NA
Cobalt	3.1	J	9.9	1.1	mg/Kg	4	✖		6010C	Total/NA
Copper	37.5		5.0	1.3	mg/Kg	4	✖		6010C	Total/NA
Iron	11600		29.7	22.4	mg/Kg	4	✖		6010C	Total/NA
Lead	414		2.0	0.78	mg/Kg	4	✖		6010C	Total/NA
Magnesium	1630		991	49.4	mg/Kg	4	✖		6010C	Total/NA
Manganese	138		3.0	1.0	mg/Kg	4	✖		6010C	Total/NA
Nickel	19.9		7.9	1.4	mg/Kg	4	✖		6010C	Total/NA
Potassium	169	J	991	30.0	mg/Kg	4	✖		6010C	Total/NA
Sodium	82.6	J	991	67.1	mg/Kg	4	✖		6010C	Total/NA
Vanadium	11.2		9.9	0.99	mg/Kg	4	✖		6010C	Total/NA
Zinc	211		5.9	1.4	mg/Kg	4	✖		6010C	Total/NA

Client Sample ID: C5

Lab Sample ID: 460-111539-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[a]pyrene	26	J	35	10	ug/Kg	1	✖		8270D	Total/NA
Benzo[b]fluoranthene	29	J	35	14	ug/Kg	1	✖		8270D	Total/NA
Benzo[g,h,i]perylene	21	J	350	20	ug/Kg	1	✖		8270D	Total/NA
Benzo[k]fluoranthene	16	J	35	15	ug/Kg	1	✖		8270D	Total/NA
Chrysene	22	J	350	9.4	ug/Kg	1	✖		8270D	Total/NA
Fluoranthene	38	J	350	10	ug/Kg	1	✖		8270D	Total/NA
Isophorone	42	J	140	7.5	ug/Kg	1	✖		8270D	Total/NA
Phenanthrene	18	J	350	9.2	ug/Kg	1	✖		8270D	Total/NA
Pyrene	39	J	350	16	ug/Kg	1	✖		8270D	Total/NA
Aluminum	3840		40.4	20.8	mg/Kg	4	✖		6010C	Total/NA
Arsenic	2.0	J	3.0	0.99	mg/Kg	4	✖		6010C	Total/NA
Barium	36.8	J	40.4	1.4	mg/Kg	4	✖		6010C	Total/NA
Calcium	614	J	1010	59.8	mg/Kg	4	✖		6010C	Total/NA
Chromium	7.7		2.0	0.98	mg/Kg	4	✖		6010C	Total/NA
Cobalt	3.2	J	10.1	1.2	mg/Kg	4	✖		6010C	Total/NA
Copper	11.1		5.0	1.3	mg/Kg	4	✖		6010C	Total/NA
Iron	7610		30.3	22.8	mg/Kg	4	✖		6010C	Total/NA
Lead	31.9		2.0	0.79	mg/Kg	4	✖		6010C	Total/NA
Magnesium	648	J	1010	50.4	mg/Kg	4	✖		6010C	Total/NA
Manganese	150		3.0	1.1	mg/Kg	4	✖		6010C	Total/NA
Nickel	6.2	J	8.1	1.5	mg/Kg	4	✖		6010C	Total/NA
Potassium	180	J	1010	30.6	mg/Kg	4	✖		6010C	Total/NA
Vanadium	8.5	J	10.1	1.0	mg/Kg	4	✖		6010C	Total/NA
Zinc	34.7		6.1	1.5	mg/Kg	4	✖		6010C	Total/NA

Client Sample ID: B4

Lab Sample ID: 460-111539-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Methylnaphthalene	110	J	690	15	ug/Kg	2	✖		8270D	Total/NA
Acenaphthene	650	J	690	17	ug/Kg	2	✖		8270D	Total/NA
Acenaphthylene	100	J	690	18	ug/Kg	2	✖		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Edison

Detection Summary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Client Sample ID: B4 (Continued)

Lab Sample ID: 460-111539-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Anthracene	1600		690	66	ug/Kg	2	✱	8270D	Total/NA	
Benzo[a]anthracene	3700		69	58	ug/Kg	2	✱	8270D	Total/NA	
Benzo[a]pyrene	3100		69	21	ug/Kg	2	✱	8270D	Total/NA	
Benzo[b]fluoranthene	3600		69	27	ug/Kg	2	✱	8270D	Total/NA	
Benzo[g,h,i]perylene	2500		690	40	ug/Kg	2	✱	8270D	Total/NA	
Benzo[k]fluoranthene	1500		69	30	ug/Kg	2	✱	8270D	Total/NA	
Carbazole	320	J	690	17	ug/Kg	2	✱	8270D	Total/NA	
Chrysene	3600		690	19	ug/Kg	2	✱	8270D	Total/NA	
Dibenz(a,h)anthracene	510		69	36	ug/Kg	2	✱	8270D	Total/NA	
Dibenzofuran	290	J	690	21	ug/Kg	2	✱	8270D	Total/NA	
Fluoranthene	7700		690	21	ug/Kg	2	✱	8270D	Total/NA	
Fluorene	620	J	690	15	ug/Kg	2	✱	8270D	Total/NA	
Indeno[1,2,3-cd]pyrene	2600		69	46	ug/Kg	2	✱	8270D	Total/NA	
Isophorone	110	J	280	15	ug/Kg	2	✱	8270D	Total/NA	
Naphthalene	140	J	690	18	ug/Kg	2	✱	8270D	Total/NA	
Phenanthrene	7000		690	18	ug/Kg	2	✱	8270D	Total/NA	
Pyrene	6700		690	31	ug/Kg	2	✱	8270D	Total/NA	
Aluminum	4650		38.8	20.0	mg/Kg	4	✱	6010C	Total/NA	
Arsenic	3.4		2.9	0.95	mg/Kg	4	✱	6010C	Total/NA	
Barium	109		38.8	1.4	mg/Kg	4	✱	6010C	Total/NA	
Calcium	2940		970	57.4	mg/Kg	4	✱	6010C	Total/NA	
Chromium	10.1		1.9	0.94	mg/Kg	4	✱	6010C	Total/NA	
Cobalt	2.9	J	9.7	1.1	mg/Kg	4	✱	6010C	Total/NA	
Copper	22.5		4.9	1.3	mg/Kg	4	✱	6010C	Total/NA	
Iron	9250		29.1	21.9	mg/Kg	4	✱	6010C	Total/NA	
Lead	312		1.9	0.76	mg/Kg	4	✱	6010C	Total/NA	
Magnesium	2050		970	48.4	mg/Kg	4	✱	6010C	Total/NA	
Manganese	195		2.9	1.0	mg/Kg	4	✱	6010C	Total/NA	
Nickel	10.1		7.8	1.4	mg/Kg	4	✱	6010C	Total/NA	
Potassium	234	J	970	29.4	mg/Kg	4	✱	6010C	Total/NA	
Vanadium	11.4		9.7	0.97	mg/Kg	4	✱	6010C	Total/NA	
Zinc	82.7		5.8	1.4	mg/Kg	4	✱	6010C	Total/NA	

This Detection Summary does not include radiochemical test results.

TestAmerica Edison

Method Summary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
6010C	Metals (ICP)	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Client Sample ID: E2

Date Collected: 04/04/16 12:40

Date Received: 04/04/16 20:10

Lab Sample ID: 460-111539-1

Matrix: Solid

Percent Solids: 98.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	340	U	340	29	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
1,2,4,5-Tetrachlorobenzene	340	U	340	25	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
2,2'-oxybis[1-chloropropane]	340	U	340	14	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
2,3,4,6-Tetrachlorophenol	340	U	340	32	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
2,4,5-Trichlorophenol	340	U	340	33	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
2,4,6-Trichlorophenol	140	U	140	9.6	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
2,4-Dichlorophenol	140	U	140	7.9	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
2,4-Dimethylphenol	340	U	340	74	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
2,4-Dinitrophenol	270	U	270	250	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
2,4-Dinitrotoluene	68	U	68	13	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
2,6-Dinitrotoluene	68	U	68	18	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
2-Chloronaphthalene	340	U	340	7.6	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
2-Chlorophenol	340	U	340	8.5	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
2-Methylnaphthalene	340	U	340	7.4	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
2-Methylphenol	340	U	340	15	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
2-Nitroaniline	340	U	340	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
2-Nitrophenol	340	U	340	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
3,3'-Dichlorobenzidine	140	U	140	38	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
3-Nitroaniline	340	U	340	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
4,6-Dinitro-2-methylphenol	270	U	270	90	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
4-Bromophenyl phenyl ether	340	U	340	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
4-Chloro-3-methylphenol	340	U	340	14	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
4-Chloroaniline	340	U	340	8.7	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
4-Chlorophenyl phenyl ether	340	U	340	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
4-Methylphenol	340	U	340	9.2	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
4-Nitroaniline	340	U	340	13	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
4-Nitrophenol	680	U	680	160	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Acenaphthene	340	U	340	8.1	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Acenaphthylene	340	U	340	8.7	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Acetophenone	340	U	340	7.3	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Anthracene	340	U	340	32	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Atrazine	140	U	140	15	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Benzaldehyde	340	U	340	26	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Benzo[a]anthracene	34	U	34	28	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Benzo[a]pyrene	18	J	34	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Benzo[b]fluoranthene	25	J	34	13	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Benzo[g,h,i]perylene	23	J	340	19	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Benzo[k]fluoranthene	34	U	34	15	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Bis(2-chloroethoxy)methane	340	U	340	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Bis(2-chloroethyl)ether	34	U	34	7.9	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Bis(2-ethylhexyl) phthalate	340	U	340	13	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Butyl benzyl phthalate	22	J	340	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Caprolactam	340	U	340	24	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Carbazole	340	U	340	8.3	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Chrysene	18	J	340	9.2	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Dibenz(a,h)anthracene	34	U	34	18	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Dibenzofuran	340	U	340	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Diethyl phthalate	340	U	340	9.6	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Dimethyl phthalate	340	U	340	9.8	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1

TestAmerica Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Client Sample ID: E2

Date Collected: 04/04/16 12:40

Date Received: 04/04/16 20:10

Lab Sample ID: 460-111539-1

Matrix: Solid

Percent Solids: 98.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	340	U	340	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Di-n-octyl phthalate	340	U	340	17	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Fluoranthene	16	J	340	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Fluorene	340	U	340	7.3	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Hexachlorobenzene	34	U	34	14	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Hexachlorobutadiene	68	U	68	9.5	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Hexachlorocyclopentadiene	340	U	340	21	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Hexachloroethane	34	U	34	12	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Indeno[1,2,3-cd]pyrene	34	U	34	22	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Isophorone	100	J	140	7.2	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Naphthalene	340	U	340	8.5	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Nitrobenzene	34	U	34	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
N-Nitrosodi-n-propylamine	34	U	34	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
N-Nitrosodiphenylamine	340	U	340	31	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Pentachlorophenol	270	U	270	41	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Phenanthrene	340	U	340	9.0	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Phenol	340	U	340	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1
Pyrene	18	J	340	15	ug/Kg	☼	04/04/16 21:26	04/05/16 12:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	80		10 - 95	04/04/16 21:26	04/05/16 12:28	1
2-Fluorobiphenyl	86	*	27 - 84	04/04/16 21:26	04/05/16 12:28	1
2-Fluorophenol (Surr)	64		21 - 84	04/04/16 21:26	04/05/16 12:28	1
Nitrobenzene-d5 (Surr)	79		28 - 92	04/04/16 21:26	04/05/16 12:28	1
Phenol-d5 (Surr)	69		22 - 88	04/04/16 21:26	04/05/16 12:28	1
Terphenyl-d14 (Surr)	85		16 - 114	04/04/16 21:26	04/05/16 12:28	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2240		38.1	19.6	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Antimony	3.8	U	3.8	1.5	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Arsenic	1.4	J	2.9	0.94	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Barium	15.0	J	38.1	1.4	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Beryllium	0.38	U	0.38	0.32	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Cadmium	0.76	U	0.76	0.40	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Calcium	287	J	952	56.4	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Chromium	4.3		1.9	0.92	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Cobalt	2.0	J	9.5	1.1	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Copper	7.2		4.8	1.2	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Iron	6930		28.6	21.5	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Lead	25.7		1.9	0.75	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Magnesium	445	J	952	47.5	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Manganese	101		2.9	1.0	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Nickel	8.4		7.6	1.4	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Potassium	144	J	952	28.8	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Selenium	3.8	U	3.8	1.3	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Silver	1.9	U	1.9	0.34	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Sodium	952	U	952	64.4	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Thallium	3.8	U	3.8	1.7	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4
Vanadium	6.9	J	9.5	0.95	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4

TestAmerica Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Client Sample ID: E2

Date Collected: 04/04/16 12:40

Date Received: 04/04/16 20:10

Lab Sample ID: 460-111539-1

Matrix: Solid

Percent Solids: 98.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	71.5		5.7	1.4	mg/Kg	☼	04/08/16 09:32	04/10/16 14:54	4

Client Sample ID: E4

Date Collected: 04/04/16 13:00

Date Received: 04/04/16 20:10

Lab Sample ID: 460-111539-2

Matrix: Solid

Percent Solids: 93.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	350	U	350	30	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
1,2,4,5-Tetrachlorobenzene	350	U	350	26	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
2,2'-oxybis[1-chloropropane]	350	U	350	15	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
2,3,4,6-Tetrachlorophenol	350	U	350	33	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
2,4,5-Trichlorophenol	350	U	350	35	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
2,4,6-Trichlorophenol	140	U	140	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
2,4-Dichlorophenol	140	U	140	8.3	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
2,4-Dimethylphenol	350	U	350	78	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
2,4-Dinitrophenol	280	U	280	270	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
2,4-Dinitrotoluene	72	U	72	14	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
2,6-Dinitrotoluene	72	U	72	19	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
2-Chloronaphthalene	350	U	350	8.0	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
2-Chlorophenol	350	U	350	9.0	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
2-Methylnaphthalene	10	J	350	7.8	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
2-Methylphenol	350	U	350	15	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
2-Nitroaniline	350	U	350	12	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
2-Nitrophenol	350	U	350	12	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
3,3'-Dichlorobenzidine	140	U	140	39	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
3-Nitroaniline	350	U	350	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
4,6-Dinitro-2-methylphenol	280	U	280	94	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
4-Bromophenyl phenyl ether	350	U	350	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
4-Chloro-3-methylphenol	350	U	350	15	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
4-Chloroaniline	350	U	350	9.1	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
4-Chlorophenyl phenyl ether	350	U	350	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
4-Methylphenol	350	U	350	9.6	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
4-Nitroaniline	350	U	350	13	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
4-Nitrophenol	720	U	720	170	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Acenaphthene	350	U	350	8.6	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Acenaphthylene	17	J	350	9.1	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Acetophenone	350	U	350	7.7	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Anthracene	42	J	350	34	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Atrazine	140	U	140	16	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Benzaldehyde	350	U	350	27	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Benzo[a]anthracene	300		35	30	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Benzo[a]pyrene	320		35	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Benzo[b]fluoranthene	440		35	14	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Benzo[g,h,i]perylene	340	J	350	20	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Benzo[k]fluoranthene	170		35	15	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Bis(2-chloroethoxy)methane	350	U	350	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Bis(2-chloroethyl)ether	35	U	35	8.3	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Bis(2-ethylhexyl) phthalate	190	J	350	14	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Butyl benzyl phthalate	630		350	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1

TestAmerica Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Client Sample ID: E4

Lab Sample ID: 460-111539-2

Date Collected: 04/04/16 13:00

Matrix: Solid

Date Received: 04/04/16 20:10

Percent Solids: 93.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	350	U	350	25	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Carbazole	10	J	350	8.8	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Chrysene	330	J	350	9.6	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Dibenz(a,h)anthracene	73		35	18	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Dibenzofuran	350	U	350	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Diethyl phthalate	350	U	350	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Dimethyl phthalate	350	U	350	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Di-n-butyl phthalate	120	J	350	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Di-n-octyl phthalate	350	U	350	18	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Fluoranthene	490		350	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Fluorene	8.3	J	350	7.7	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Hexachlorobenzene	35	U	35	14	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Hexachlorobutadiene	72	U	72	9.9	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Hexachlorocyclopentadiene	350	U	350	22	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Hexachloroethane	35	U	35	13	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Indeno[1,2,3-cd]pyrene	320		35	24	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Isophorone	210		140	7.6	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Naphthalene	19	J	350	9.0	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Nitrobenzene	35	U	35	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
N-Nitrosodi-n-propylamine	35	U	35	12	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
N-Nitrosodiphenylamine	350	U	350	32	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Pentachlorophenol	280	U	280	43	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Phenanthrene	150	J	350	9.4	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Phenol	350	U	350	12	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1
Pyrene	450		350	16	ug/Kg	☼	04/04/16 21:26	04/05/16 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	74		10 - 95	04/04/16 21:26	04/05/16 12:53	1
2-Fluorobiphenyl	80		27 - 84	04/04/16 21:26	04/05/16 12:53	1
2-Fluorophenol (Surr)	64		21 - 84	04/04/16 21:26	04/05/16 12:53	1
Nitrobenzene-d5 (Surr)	79		28 - 92	04/04/16 21:26	04/05/16 12:53	1
Phenol-d5 (Surr)	65		22 - 88	04/04/16 21:26	04/05/16 12:53	1
Terphenyl-d14 (Surr)	82		16 - 114	04/04/16 21:26	04/05/16 12:53	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2660		39.6	20.4	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Antimony	4.0	U	4.0	1.6	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Arsenic	3.1		3.0	0.97	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Barium	77.0		39.6	1.4	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Beryllium	0.40	U	0.40	0.34	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Cadmium	2.2		0.79	0.41	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Calcium	2320		991	58.6	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Chromium	18.0		2.0	0.96	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Cobalt	3.1	J	9.9	1.1	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Copper	37.5		5.0	1.3	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Iron	11600		29.7	22.4	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Lead	414		2.0	0.78	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Magnesium	1630		991	49.4	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Manganese	138		3.0	1.0	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4

TestAmerica Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Client Sample ID: E4

Date Collected: 04/04/16 13:00

Date Received: 04/04/16 20:10

Lab Sample ID: 460-111539-2

Matrix: Solid

Percent Solids: 93.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	19.9		7.9	1.4	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Potassium	169	J	991	30.0	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Selenium	4.0	U	4.0	1.4	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Silver	2.0	U	2.0	0.35	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Sodium	82.6	J	991	67.1	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Thallium	4.0	U	4.0	1.8	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Vanadium	11.2		9.9	0.99	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4
Zinc	211		5.9	1.4	mg/Kg	☼	04/08/16 09:32	04/10/16 14:58	4

Client Sample ID: C5

Date Collected: 04/04/16 13:10

Date Received: 04/04/16 20:10

Lab Sample ID: 460-111539-3

Matrix: Solid

Percent Solids: 95.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	350	U	350	30	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
1,2,4,5-Tetrachlorobenzene	350	U	350	26	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
2,2'-oxybis[1-chloropropane]	350	U	350	14	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
2,3,4,6-Tetrachlorophenol	350	U	350	33	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
2,4,5-Trichlorophenol	350	U	350	35	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
2,4,6-Trichlorophenol	140	U	140	9.9	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
2,4-Dichlorophenol	140	U	140	8.2	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
2,4-Dimethylphenol	350	U	350	76	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
2,4-Dinitrophenol	280	U	280	260	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
2,4-Dinitrotoluene	70	U	70	14	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
2,6-Dinitrotoluene	70	U	70	18	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
2-Chloronaphthalene	350	U	350	7.9	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
2-Chlorophenol	350	U	350	8.8	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
2-Methylnaphthalene	350	U	350	7.7	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
2-Methylphenol	350	U	350	15	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
2-Nitroaniline	350	U	350	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
2-Nitrophenol	350	U	350	12	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
3,3'-Dichlorobenzidine	140	U	140	39	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
3-Nitroaniline	350	U	350	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
4,6-Dinitro-2-methylphenol	280	U	280	93	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
4-Bromophenyl phenyl ether	350	U	350	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
4-Chloro-3-methylphenol	350	U	350	15	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
4-Chloroaniline	350	U	350	8.9	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
4-Chlorophenyl phenyl ether	350	U	350	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
4-Methylphenol	350	U	350	9.4	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
4-Nitroaniline	350	U	350	13	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
4-Nitrophenol	700	U	700	170	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Acenaphthene	350	U	350	8.4	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Acenaphthylene	350	U	350	8.9	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Acetophenone	350	U	350	7.6	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Anthracene	350	U	350	33	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Atrazine	140	U	140	15	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Benzaldehyde	350	U	350	26	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Benzo[a]anthracene	35	U	35	29	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Benzo[a]pyrene	26	J	35	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1

TestAmerica Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Client Sample ID: C5

Lab Sample ID: 460-111539-3

Date Collected: 04/04/16 13:10

Matrix: Solid

Date Received: 04/04/16 20:10

Percent Solids: 95.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	29	J	35	14	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Benzo[g,h,i]perylene	21	J	350	20	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Benzo[k]fluoranthene	16	J	35	15	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Bis(2-chloroethoxy)methane	350	U	350	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Bis(2-chloroethyl)ether	35	U	35	8.2	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Bis(2-ethylhexyl) phthalate	350	U	350	14	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Butyl benzyl phthalate	350	U	350	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Caprolactam	350	U	350	25	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Carbazole	350	U	350	8.6	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Chrysene	22	J	350	9.4	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Dibenz(a,h)anthracene	35	U	35	18	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Dibenzofuran	350	U	350	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Diethyl phthalate	350	U	350	9.9	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Dimethyl phthalate	350	U	350	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Di-n-butyl phthalate	350	U	350	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Di-n-octyl phthalate	350	U	350	18	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Fluoranthene	38	J	350	10	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Fluorene	350	U	350	7.6	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Hexachlorobenzene	35	U	35	14	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Hexachlorobutadiene	70	U	70	9.8	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Hexachlorocyclopentadiene	350	U	350	22	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Hexachloroethane	35	U	35	13	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Indeno[1,2,3-cd]pyrene	35	U	35	23	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Isophorone	42	J	140	7.5	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Naphthalene	350	U	350	8.8	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Nitrobenzene	35	U	35	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
N-Nitrosodi-n-propylamine	35	U	35	12	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
N-Nitrosodiphenylamine	350	U	350	31	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Pentachlorophenol	280	U	280	42	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Phenanthrene	18	J	350	9.2	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Phenol	350	U	350	11	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1
Pyrene	39	J	350	16	ug/Kg	☼	04/04/16 21:26	04/05/16 12:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		10 - 95	04/04/16 21:26	04/05/16 12:03	1
2-Fluorobiphenyl	82		27 - 84	04/04/16 21:26	04/05/16 12:03	1
2-Fluorophenol (Surr)	67		21 - 84	04/04/16 21:26	04/05/16 12:03	1
Nitrobenzene-d5 (Surr)	76		28 - 92	04/04/16 21:26	04/05/16 12:03	1
Phenol-d5 (Surr)	70		22 - 88	04/04/16 21:26	04/05/16 12:03	1
Terphenyl-d14 (Surr)	100		16 - 114	04/04/16 21:26	04/05/16 12:03	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3840		40.4	20.8	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Antimony	4.0	U	4.0	1.6	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Arsenic	2.0	J	3.0	0.99	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Barium	36.8	J	40.4	1.4	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Beryllium	0.40	U	0.40	0.34	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Cadmium	0.81	U	0.81	0.42	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Calcium	614	J	1010	59.8	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4

TestAmerica Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Client Sample ID: C5

Date Collected: 04/04/16 13:10

Date Received: 04/04/16 20:10

Lab Sample ID: 460-111539-3

Matrix: Solid

Percent Solids: 95.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	7.7		2.0	0.98	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Cobalt	3.2	J	10.1	1.2	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Copper	11.1		5.0	1.3	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Iron	7610		30.3	22.8	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Lead	31.9		2.0	0.79	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Magnesium	648	J	1010	50.4	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Manganese	150		3.0	1.1	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Nickel	6.2	J	8.1	1.5	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Potassium	180	J	1010	30.6	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Selenium	4.0	U	4.0	1.4	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Silver	2.0	U	2.0	0.36	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Sodium	1010	U	1010	68.4	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Thallium	4.0	U	4.0	1.8	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Vanadium	8.5	J	10.1	1.0	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4
Zinc	34.7		6.1	1.5	mg/Kg	☼	04/05/16 07:40	04/05/16 15:09	4

Client Sample ID: B4

Date Collected: 04/04/16 13:15

Date Received: 04/04/16 20:10

Lab Sample ID: 460-111539-4

Matrix: Solid

Percent Solids: 95.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	690	U	690	59	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
1,2,4,5-Tetrachlorobenzene	690	U	690	52	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
2,2'-oxybis[1-chloropropane]	690	U	690	28	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
2,3,4,6-Tetrachlorophenol	690	U	690	65	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
2,4,5-Trichlorophenol	690	U	690	69	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
2,4,6-Trichlorophenol	280	U	280	20	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
2,4-Dichlorophenol	280	U	280	16	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
2,4-Dimethylphenol	690	U	690	150	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
2,4-Dinitrophenol	560	U	560	520	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
2,4-Dinitrotoluene	140	U	140	27	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
2,6-Dinitrotoluene	140	U	140	37	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
2-Chloronaphthalene	690	U	690	16	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
2-Chlorophenol	690	U	690	18	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
2-Methylnaphthalene	110	J	690	15	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
2-Methylphenol	690	U	690	30	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
2-Nitroaniline	690	U	690	23	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
2-Nitrophenol	690	U	690	23	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
3,3'-Dichlorobenzidine	280	U	280	77	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
3-Nitroaniline	690	U	690	21	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
4,6-Dinitro-2-methylphenol	560	U	560	180	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
4-Bromophenyl phenyl ether	690	U	690	22	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
4-Chloro-3-methylphenol	690	U	690	30	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
4-Chloroaniline	690	U	690	18	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
4-Chlorophenyl phenyl ether	690	U	690	21	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
4-Methylphenol	690	U	690	19	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
4-Nitroaniline	690	U	690	26	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
4-Nitrophenol	1400	U	1400	330	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Acenaphthene	650	J	690	17	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2

TestAmerica Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Client Sample ID: B4

Lab Sample ID: 460-111539-4

Date Collected: 04/04/16 13:15

Matrix: Solid

Date Received: 04/04/16 20:10

Percent Solids: 95.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	100	J	690	18	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Acetophenone	690	U	690	15	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Anthracene	1600		690	66	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Atrazine	280	U	280	31	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Benzaldehyde	690	U	690	53	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Benzo[a]anthracene	3700		69	58	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Benzo[a]pyrene	3100		69	21	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Benzo[b]fluoranthene	3600		69	27	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Benzo[g,h,i]perylene	2500		690	40	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Benzo[k]fluoranthene	1500		69	30	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Bis(2-chloroethoxy)methane	690	U	690	22	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Bis(2-chloroethyl)ether	69	U	69	16	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Bis(2-ethylhexyl) phthalate	690	U	690	27	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Butyl benzyl phthalate	690	U	690	21	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Caprolactam	690	U	690	50	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Carbazole	320	J	690	17	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Chrysene	3600		690	19	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Dibenz(a,h)anthracene	510		69	36	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Dibenzofuran	290	J	690	21	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Diethyl phthalate	690	U	690	20	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Dimethyl phthalate	690	U	690	20	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Di-n-butyl phthalate	690	U	690	21	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Di-n-octyl phthalate	690	U	690	35	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Fluoranthene	7700		690	21	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Fluorene	620	J	690	15	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Hexachlorobenzene	69	U	69	28	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Hexachlorobutadiene	140	U	140	19	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Hexachlorocyclopentadiene	690	U	690	43	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Hexachloroethane	69	U	69	25	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Indeno[1,2,3-cd]pyrene	2600		69	46	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Isophorone	110	J	280	15	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Naphthalene	140	J	690	18	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Nitrobenzene	69	U	69	22	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
N-Nitrosodi-n-propylamine	69	U	69	23	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
N-Nitrosodiphenylamine	690	U	690	63	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Pentachlorophenol	560	U	560	84	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Phenanthrene	7000		690	18	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Phenol	690	U	690	23	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2
Pyrene	6700		690	31	ug/Kg	☼	04/04/16 21:26	04/05/16 13:47	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	62		10 - 95	04/04/16 21:26	04/05/16 13:47	2
2-Fluorobiphenyl	86	*	27 - 84	04/04/16 21:26	04/05/16 13:47	2
2-Fluorophenol (Surr)	67		21 - 84	04/04/16 21:26	04/05/16 13:47	2
Nitrobenzene-d5 (Surr)	82		28 - 92	04/04/16 21:26	04/05/16 13:47	2
Phenol-d5 (Surr)	69		22 - 88	04/04/16 21:26	04/05/16 13:47	2
Terphenyl-d14 (Surr)	82		16 - 114	04/04/16 21:26	04/05/16 13:47	2

TestAmerica Edison

Client Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Client Sample ID: B4

Date Collected: 04/04/16 13:15

Date Received: 04/04/16 20:10

Lab Sample ID: 460-111539-4

Matrix: Solid

Percent Solids: 95.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4650		38.8	20.0	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Antimony	3.9	U	3.9	1.5	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Arsenic	3.4		2.9	0.95	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Barium	109		38.8	1.4	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Beryllium	0.39	U	0.39	0.33	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Cadmium	0.78	U	0.78	0.40	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Calcium	2940		970	57.4	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Chromium	10.1		1.9	0.94	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Cobalt	2.9	J	9.7	1.1	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Copper	22.5		4.9	1.3	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Iron	9250		29.1	21.9	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Lead	312		1.9	0.76	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Magnesium	2050		970	48.4	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Manganese	195		2.9	1.0	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Nickel	10.1		7.8	1.4	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Potassium	234	J	970	29.4	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Selenium	3.9	U	3.9	1.3	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Silver	1.9	U	1.9	0.34	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Sodium	970	U	970	65.7	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Thallium	3.9	U	3.9	1.7	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Vanadium	11.4		9.7	0.97	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4
Zinc	82.7		5.8	1.4	mg/Kg	☼	04/05/16 07:40	04/05/16 15:13	4

Surrogate Summary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (10-95)	FBP (27-84)	2FP (21-84)	NBZ (28-92)	PHL (22-88)	TPH (16-114)
460-111539-1	E2	80	86 *	64	79	69	85
460-111539-2	E4	74	80	64	79	65	82
460-111539-3	C5	81	82	67	76	70	100
460-111539-3 MS	C5	90	85 *	68	80	72	91
460-111539-3 MSD	C5	82	80	65	76	69	87
460-111539-4	B4	62	86 *	67	82	69	82
LCS 460-360667/2-A	Lab Control Sample	88	88 *	73	85	75	89
LCS 460-360667/3-A	Lab Control Sample	85	86 *	78	87	83	98
MB 460-360667/1-A	Method Blank	84	83	73	83	79	95

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPH = Terphenyl-d14 (Surr)

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-360667/1-A

Matrix: Solid

Analysis Batch: 360719

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 360667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	330	U	330	28	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
1,2,4,5-Tetrachlorobenzene	330	U	330	25	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
2,2'-oxybis[1-chloropropane]	330	U	330	14	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
2,3,4,6-Tetrachlorophenol	330	U	330	31	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
2,4,5-Trichlorophenol	330	U	330	33	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
2,4,6-Trichlorophenol	130	U	130	9.4	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
2,4-Dichlorophenol	130	U	130	7.8	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
2,4-Dimethylphenol	330	U	330	73	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
2,4-Dinitrophenol	270	U	270	250	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
2,4-Dinitrotoluene	67	U	67	13	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
2,6-Dinitrotoluene	67	U	67	18	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
2-Chloronaphthalene	330	U	330	7.5	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
2-Chlorophenol	330	U	330	8.4	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
2-Methylnaphthalene	330	U	330	7.3	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
2-Methylphenol	330	U	330	14	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
2-Nitroaniline	330	U	330	11	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
2-Nitrophenol	330	U	330	11	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
3,3'-Dichlorobenzidine	130	U	130	37	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
3-Nitroaniline	330	U	330	9.8	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
4,6-Dinitro-2-methylphenol	270	U	270	88	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
4-Bromophenyl phenyl ether	330	U	330	10	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
4-Chloro-3-methylphenol	330	U	330	14	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
4-Chloroaniline	330	U	330	8.5	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
4-Chlorophenyl phenyl ether	330	U	330	9.9	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
4-Methylphenol	330	U	330	9.0	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
4-Nitroaniline	330	U	330	13	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
4-Nitrophenol	670	U	670	160	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Acenaphthene	330	U	330	8.0	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Acenaphthylene	330	U	330	8.5	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Acetophenone	330	U	330	7.2	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Anthracene	330	U	330	31	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Atrazine	130	U	130	15	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Benzaldehyde	330	U	330	25	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Benzo[a]anthracene	33	U	33	28	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Benzo[a]pyrene	33	U	33	10	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Benzo[b]fluoranthene	33	U	33	13	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Benzo[g,h,i]perylene	330	U	330	19	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Benzo[k]fluoranthene	33	U	33	14	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Bis(2-chloroethoxy)methane	330	U	330	10	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Bis(2-chloroethyl)ether	33	U	33	7.8	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Bis(2-ethylhexyl) phthalate	330	U	330	13	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Butyl benzyl phthalate	330	U	330	10	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Caprolactam	330	U	330	24	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Carbazole	330	U	330	8.2	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Chrysene	330	U	330	9.0	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Dibenz(a,h)anthracene	33	U	33	17	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Dibenzofuran	330	U	330	10	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Diethyl phthalate	330	U	330	9.4	ug/Kg		04/04/16 21:26	04/05/16 09:59	1

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-360667/1-A

Matrix: Solid

Analysis Batch: 360719

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 360667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	330	U	330	9.6	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Di-n-butyl phthalate	330	U	330	9.9	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Di-n-octyl phthalate	330	U	330	17	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Fluoranthene	330	U	330	9.8	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Fluorene	330	U	330	7.2	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Hexachlorobenzene	33	U	33	13	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Hexachlorobutadiene	67	U	67	9.3	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Hexachlorocyclopentadiene	330	U	330	21	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Hexachloroethane	33	U	33	12	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Indeno[1,2,3-cd]pyrene	33	U	33	22	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Isophorone	130	U	130	7.1	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Naphthalene	330	U	330	8.4	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Nitrobenzene	33	U	33	10	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
N-Nitrosodi-n-propylamine	33	U	33	11	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
N-Nitrosodiphenylamine	330	U	330	30	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Pentachlorophenol	270	U	270	40	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Phenanthrene	330	U	330	8.8	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Phenol	330	U	330	11	ug/Kg		04/04/16 21:26	04/05/16 09:59	1
Pyrene	330	U	330	15	ug/Kg		04/04/16 21:26	04/05/16 09:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	84		10 - 95	04/04/16 21:26	04/05/16 09:59	1
2-Fluorobiphenyl	83		27 - 84	04/04/16 21:26	04/05/16 09:59	1
2-Fluorophenol (Surr)	73		21 - 84	04/04/16 21:26	04/05/16 09:59	1
Nitrobenzene-d5 (Surr)	83		28 - 92	04/04/16 21:26	04/05/16 09:59	1
Phenol-d5 (Surr)	79		22 - 88	04/04/16 21:26	04/05/16 09:59	1
Terphenyl-d14 (Surr)	95		16 - 114	04/04/16 21:26	04/05/16 09:59	1

Lab Sample ID: LCS 460-360667/2-A

Matrix: Solid

Analysis Batch: 360719

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 360667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3330	3110		ug/Kg		93	64 - 103
1,2,4,5-Tetrachlorobenzene	3330	3060		ug/Kg		92	62 - 109
2,2'-oxybis[1-chloropropane]	3330	2910		ug/Kg		87	42 - 119
2,3,4,6-Tetrachlorophenol	3330	2790		ug/Kg		84	57 - 113
2,4,5-Trichlorophenol	3330	2600		ug/Kg		78	59 - 105
2,4,6-Trichlorophenol	3330	2730		ug/Kg		82	61 - 107
2,4-Dichlorophenol	3330	2660		ug/Kg		80	59 - 99
2,4-Dimethylphenol	3330	2680		ug/Kg		80	60 - 98
2,4-Dinitrophenol	6670	4790		ug/Kg		72	26 - 137
2,4-Dinitrotoluene	3330	3140		ug/Kg		94	61 - 118
2,6-Dinitrotoluene	3330	2980		ug/Kg		89	63 - 112
2-Chloronaphthalene	3330	2970		ug/Kg		89	63 - 102
2-Chlorophenol	3330	2720		ug/Kg		81	58 - 95
2-Methylnaphthalene	3330	2980		ug/Kg		89	64 - 102
2-Methylphenol	3330	2860		ug/Kg		86	56 - 99

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-360667/2-A

Matrix: Solid

Analysis Batch: 360719

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 360667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitroaniline	3330	2890		ug/Kg		87	46 - 113
2-Nitrophenol	3330	2860		ug/Kg		86	63 - 103
3,3'-Dichlorobenzidine	3330	1780		ug/Kg		53	18 - 92
3-Nitroaniline	3330	1790		ug/Kg		54	23 - 89
4,6-Dinitro-2-methylphenol	6670	5460		ug/Kg		82	51 - 124
4-Bromophenyl phenyl ether	3330	3190		ug/Kg		96	65 - 114
4-Chloro-3-methylphenol	3330	2790		ug/Kg		84	58 - 108
4-Chloroaniline	3330	1700		ug/Kg		51	10 - 82
4-Chlorophenyl phenyl ether	3330	3090		ug/Kg		93	63 - 107
4-Methylphenol	3330	2620		ug/Kg		79	53 - 103
4-Nitroaniline	3330	2710		ug/Kg		81	44 - 109
4-Nitrophenol	6670	5460		ug/Kg		82	45 - 125
Acenaphthene	3330	2890		ug/Kg		87	59 - 102
Acenaphthylene	3330	3080		ug/Kg		92	63 - 102
Acetophenone	3330	3160		ug/Kg		95	56 - 107
Anthracene	3330	3060		ug/Kg		92	66 - 105
Benzo[a]anthracene	3330	2900		ug/Kg		87	65 - 106
Benzo[a]pyrene	3330	3020		ug/Kg		91	68 - 111
Benzo[b]fluoranthene	3330	3050		ug/Kg		92	67 - 116
Benzo[g,h,i]perylene	3330	3070		ug/Kg		92	49 - 124
Benzo[k]fluoranthene	3330	2930		ug/Kg		88	65 - 114
Bis(2-chloroethoxy)methane	3330	2870		ug/Kg		86	61 - 102
Bis(2-chloroethyl)ether	3330	3010		ug/Kg		90	58 - 102
Bis(2-ethylhexyl) phthalate	3330	3010		ug/Kg		90	60 - 125
Butyl benzyl phthalate	3330	2980		ug/Kg		89	62 - 123
Carbazole	3330	2960		ug/Kg		89	62 - 107
Chrysene	3330	3120		ug/Kg		94	64 - 105
Dibenz(a,h)anthracene	3330	3040		ug/Kg		91	54 - 126
Dibenzofuran	3330	3080		ug/Kg		92	62 - 102
Diethyl phthalate	3330	3030		ug/Kg		91	61 - 110
Dimethyl phthalate	3330	3030		ug/Kg		91	64 - 108
Di-n-butyl phthalate	3330	3060		ug/Kg		92	62 - 114
Di-n-octyl phthalate	3330	3070		ug/Kg		92	52 - 137
Fluoranthene	3330	2990		ug/Kg		90	59 - 109
Fluorene	3330	3050		ug/Kg		92	65 - 108
Hexachlorobenzene	3330	3250		ug/Kg		98	65 - 117
Hexachlorobutadiene	3330	3070		ug/Kg		92	60 - 105
Hexachlorocyclopentadiene	3330	3170		ug/Kg		95	37 - 119
Hexachloroethane	3330	3020		ug/Kg		91	60 - 94
Indeno[1,2,3-cd]pyrene	3330	3000		ug/Kg		90	50 - 134
Isophorone	3330	3140		ug/Kg		94	60 - 102
Naphthalene	3330	3280		ug/Kg		98	64 - 99
Nitrobenzene	3330	3080		ug/Kg		92	59 - 102
N-Nitrosodi-n-propylamine	3330	3170		ug/Kg		95	56 - 112
N-Nitrosodiphenylamine	3330	2850		ug/Kg		85	71 - 119
Pentachlorophenol	6670	5280		ug/Kg		79	47 - 115
Phenanthrene	3330	2970		ug/Kg		89	66 - 105
Phenol	3330	2820		ug/Kg		85	55 - 99

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-360667/2-A

Matrix: Solid

Analysis Batch: 360719

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 360667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyrene	3330	3000		ug/Kg		90	55 - 126
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
2,4,6-Tribromophenol (Surr)	88		10 - 95				
2-Fluorobiphenyl	88	*	27 - 84				
2-Fluorophenol (Surr)	73		21 - 84				
Nitrobenzene-d5 (Surr)	85		28 - 92				
Phenol-d5 (Surr)	75		22 - 88				
Terphenyl-d14 (Surr)	89		16 - 114				

Lab Sample ID: LCS 460-360667/3-A

Matrix: Solid

Analysis Batch: 360719

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 360667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	6670	6160		ug/Kg		92	41 - 116
Benzaldehyde	6670	5980		ug/Kg		90	55 - 116
Caprolactam	6670	6610		ug/Kg		99	44 - 129
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
2,4,6-Tribromophenol (Surr)	85		10 - 95				
2-Fluorobiphenyl	86	*	27 - 84				
2-Fluorophenol (Surr)	78		21 - 84				
Nitrobenzene-d5 (Surr)	87		28 - 92				
Phenol-d5 (Surr)	83		22 - 88				
Terphenyl-d14 (Surr)	98		16 - 114				

Lab Sample ID: 460-111539-3 MS

Matrix: Solid

Analysis Batch: 360719

Client Sample ID: C5

Prep Type: Total/NA

Prep Batch: 360667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	350	U	3500	3040		ug/Kg	☼	87	64 - 103
1,2,4,5-Tetrachlorobenzene	350	U	3500	2880		ug/Kg	☼	82	62 - 109
2,2'-oxybis[1-chloropropane]	350	U	3500	2790		ug/Kg	☼	80	42 - 119
2,3,4,6-Tetrachlorophenol	350	U	3500	2800		ug/Kg	☼	80	57 - 113
2,4,5-Trichlorophenol	350	U	3500	2390		ug/Kg	☼	68	59 - 105
2,4,6-Trichlorophenol	140	U	3500	2680		ug/Kg	☼	77	61 - 107
2,4-Dichlorophenol	140	U	3500	2590		ug/Kg	☼	74	59 - 99
2,4-Dimethylphenol	350	U	3500	2630		ug/Kg	☼	75	60 - 98
2,4-Dinitrophenol	280	U	7000	5150		ug/Kg	☼	74	26 - 137
2,4-Dinitrotoluene	70	U	3500	3300		ug/Kg	☼	94	61 - 118
2,6-Dinitrotoluene	70	U	3500	3060		ug/Kg	☼	88	63 - 112
2-Chloronaphthalene	350	U	3500	2880		ug/Kg	☼	82	63 - 102
2-Chlorophenol	350	U	3500	2530		ug/Kg	☼	72	58 - 95
2-Methylnaphthalene	350	U	3500	2950		ug/Kg	☼	84	64 - 102
2-Methylphenol	350	U	3500	2770		ug/Kg	☼	79	56 - 99
2-Nitroaniline	350	U	3500	2890		ug/Kg	☼	82	46 - 113

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-111539-3 MS

Matrix: Solid

Analysis Batch: 360719

Client Sample ID: C5

Prep Type: Total/NA

Prep Batch: 360667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
2-Nitrophenol	350	U	3500	2770		ug/Kg	☀	79	63 - 103
3,3'-Dichlorobenzidine	140	U	3500	1960		ug/Kg	☀	56	18 - 92
3-Nitroaniline	350	U	3500	2040		ug/Kg	☀	58	23 - 89
4,6-Dinitro-2-methylphenol	280	U	7000	5630		ug/Kg	☀	80	51 - 124
4-Bromophenyl phenyl ether	350	U	3500	3090		ug/Kg	☀	88	65 - 114
4-Chloro-3-methylphenol	350	U	3500	2740		ug/Kg	☀	78	58 - 108
4-Chloroaniline	350	U	3500	1440		ug/Kg	☀	41	10 - 82
4-Chlorophenyl phenyl ether	350	U	3500	3140		ug/Kg	☀	90	63 - 107
4-Methylphenol	350	U	3500	2720		ug/Kg	☀	78	53 - 103
4-Nitroaniline	350	U	3500	2930		ug/Kg	☀	84	44 - 109
4-Nitrophenol	700	U	7000	5730		ug/Kg	☀	82	45 - 125
Acenaphthene	350	U	3500	2890		ug/Kg	☀	83	59 - 102
Acenaphthylene	350	U	3500	3060		ug/Kg	☀	88	63 - 102
Acetophenone	350	U	3500	2930		ug/Kg	☀	84	56 - 107
Anthracene	350	U	3500	3050		ug/Kg	☀	87	66 - 105
Atrazine	140	U	7000	6350		ug/Kg	☀	91	41 - 116
Benzaldehyde	350	U	7000	4870		ug/Kg	☀	70	55 - 116
Benzo[a]anthracene	35	U	3500	2930		ug/Kg	☀	84	65 - 106
Benzo[a]pyrene	26	J	3500	3030		ug/Kg	☀	86	68 - 111
Benzo[b]fluoranthene	29	J	3500	3130		ug/Kg	☀	89	67 - 116
Benzo[g,h,i]perylene	21	J	3500	3140		ug/Kg	☀	89	49 - 124
Benzo[k]fluoranthene	16	J	3500	2890		ug/Kg	☀	82	65 - 114
Bis(2-chloroethoxy)methane	350	U	3500	2860		ug/Kg	☀	82	61 - 102
Bis(2-chloroethyl)ether	35	U	3500	2810		ug/Kg	☀	80	58 - 102
Bis(2-ethylhexyl) phthalate	350	U	3500	3080		ug/Kg	☀	88	60 - 125
Butyl benzyl phthalate	350	U	3500	3050		ug/Kg	☀	87	62 - 123
Caprolactam	350	U	7000	5880		ug/Kg	☀	84	44 - 129
Carbazole	350	U	3500	2960		ug/Kg	☀	85	62 - 107
Chrysene	22	J	3500	3120		ug/Kg	☀	89	64 - 105
Dibenz(a,h)anthracene	35	U	3500	2960		ug/Kg	☀	85	54 - 126
Dibenzofuran	350	U	3500	3030		ug/Kg	☀	87	62 - 102
Diethyl phthalate	350	U	3500	3180		ug/Kg	☀	91	61 - 110
Dimethyl phthalate	350	U	3500	3140		ug/Kg	☀	90	64 - 108
Di-n-butyl phthalate	350	U	3500	3170		ug/Kg	☀	91	62 - 114
Di-n-octyl phthalate	350	U	3500	3070		ug/Kg	☀	88	52 - 137
Fluoranthene	38	J	3500	3140		ug/Kg	☀	89	59 - 109
Fluorene	350	U	3500	3140		ug/Kg	☀	90	65 - 108
Hexachlorobenzene	35	U	3500	3170		ug/Kg	☀	91	65 - 117
Hexachlorobutadiene	70	U	3500	2880		ug/Kg	☀	82	60 - 105
Hexachlorocyclopentadiene	350	U	3500	2930		ug/Kg	☀	84	37 - 119
Hexachloroethane	35	U	3500	2740		ug/Kg	☀	78	60 - 94
Indeno[1,2,3-cd]pyrene	35	U	3500	3030		ug/Kg	☀	87	50 - 134
Isophorone	42	J	3500	3220		ug/Kg	☀	91	60 - 102
Naphthalene	350	U	3500	3150		ug/Kg	☀	90	64 - 99
Nitrobenzene	35	U	3500	2910		ug/Kg	☀	83	59 - 102
N-Nitrosodi-n-propylamine	35	U	3500	3120		ug/Kg	☀	89	56 - 112
N-Nitrosodiphenylamine	350	U	3500	2800		ug/Kg	☀	80	71 - 119
Pentachlorophenol	280	U	7000	5140		ug/Kg	☀	74	47 - 115

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-111539-3 MS

Matrix: Solid

Analysis Batch: 360719

Client Sample ID: C5

Prep Type: Total/NA

Prep Batch: 360667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenanthrene	18	J	3500	2970		ug/Kg	☼	85	66 - 105
Phenol	350	U	3500	2590		ug/Kg	☼	74	55 - 99
Pyrene	39	J	3500	3010		ug/Kg	☼	85	55 - 126
Surrogate	MS %Recovery	MS Qualifier	Limits						
2,4,6-Tribromophenol (Surr)	90		10 - 95						
2-Fluorobiphenyl	85	*	27 - 84						
2-Fluorophenol (Surr)	68		21 - 84						
Nitrobenzene-d5 (Surr)	80		28 - 92						
Phenol-d5 (Surr)	72		22 - 88						
Terphenyl-d14 (Surr)	91		16 - 114						

Lab Sample ID: 460-111539-3 MSD

Matrix: Solid

Analysis Batch: 360719

Client Sample ID: C5

Prep Type: Total/NA

Prep Batch: 360667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	350	U	3500	2970		ug/Kg	☼	85	64 - 103	2	30
1,2,4,5-Tetrachlorobenzene	350	U	3500	2870		ug/Kg	☼	82	62 - 109	0	30
2,2'-oxybis[1-chloropropane]	350	U	3500	2820		ug/Kg	☼	81	42 - 119	1	30
2,3,4,6-Tetrachlorophenol	350	U	3500	2780		ug/Kg	☼	79	57 - 113	1	30
2,4,5-Trichlorophenol	350	U	3500	2420		ug/Kg	☼	69	59 - 105	2	30
2,4,6-Trichlorophenol	140	U	3500	2650		ug/Kg	☼	76	61 - 107	1	30
2,4-Dichlorophenol	140	U	3500	2590		ug/Kg	☼	74	59 - 99	0	30
2,4-Dimethylphenol	350	U	3500	2620		ug/Kg	☼	75	60 - 98	1	30
2,4-Dinitrophenol	280	U	7000	5150		ug/Kg	☼	74	26 - 137	0	30
2,4-Dinitrotoluene	70	U	3500	3320		ug/Kg	☼	95	61 - 118	1	30
2,6-Dinitrotoluene	70	U	3500	3110		ug/Kg	☼	89	63 - 112	2	30
2-Chloronaphthalene	350	U	3500	2840		ug/Kg	☼	81	63 - 102	1	30
2-Chlorophenol	350	U	3500	2580		ug/Kg	☼	74	58 - 95	2	30
2-Methylnaphthalene	350	U	3500	2890		ug/Kg	☼	83	64 - 102	2	30
2-Methylphenol	350	U	3500	2800		ug/Kg	☼	80	56 - 99	1	30
2-Nitroaniline	350	U	3500	2980		ug/Kg	☼	85	46 - 113	3	30
2-Nitrophenol	350	U	3500	2740		ug/Kg	☼	78	63 - 103	1	30
3,3'-Dichlorobenzidine	140	U	3500	2120		ug/Kg	☼	61	18 - 92	8	30
3-Nitroaniline	350	U	3500	2110		ug/Kg	☼	60	23 - 89	3	30
4,6-Dinitro-2-methylphenol	280	U	7000	5670		ug/Kg	☼	81	51 - 124	1	30
4-Bromophenyl phenyl ether	350	U	3500	3150		ug/Kg	☼	90	65 - 114	2	30
4-Chloro-3-methylphenol	350	U	3500	2760		ug/Kg	☼	79	58 - 108	1	30
4-Chloroaniline	350	U	3500	1550		ug/Kg	☼	44	10 - 82	7	30
4-Chlorophenyl phenyl ether	350	U	3500	3130		ug/Kg	☼	89	63 - 107	0	30
4-Methylphenol	350	U	3500	2760		ug/Kg	☼	79	53 - 103	1	30
4-Nitroaniline	350	U	3500	2900		ug/Kg	☼	83	44 - 109	1	30
4-Nitrophenol	700	U	7000	5740		ug/Kg	☼	82	45 - 125	0	30
Acenaphthene	350	U	3500	2890		ug/Kg	☼	83	59 - 102	0	30
Acenaphthylene	350	U	3500	3050		ug/Kg	☼	87	63 - 102	0	30
Acetophenone	350	U	3500	2960		ug/Kg	☼	85	56 - 107	1	30
Anthracene	350	U	3500	3080		ug/Kg	☼	88	66 - 105	1	30

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-111539-3 MSD

Matrix: Solid

Analysis Batch: 360719

Client Sample ID: C5

Prep Type: Total/NA

Prep Batch: 360667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine	140	U	7000	6280		ug/Kg	☀	90	41 - 116	1	30
Benzaldehyde	350	U	7000	4720		ug/Kg	☀	67	55 - 116	3	30
Benzo[a]anthracene	35	U	3500	2960		ug/Kg	☀	85	65 - 106	1	30
Benzo[a]pyrene	26	J	3500	3030		ug/Kg	☀	86	68 - 111	0	30
Benzo[b]fluoranthene	29	J	3500	3180		ug/Kg	☀	90	67 - 116	2	30
Benzo[g,h,i]perylene	21	J	3500	3190		ug/Kg	☀	90	49 - 124	2	30
Benzo[k]fluoranthene	16	J	3500	2850		ug/Kg	☀	81	65 - 114	1	30
Bis(2-chloroethoxy)methane	350	U	3500	2830		ug/Kg	☀	81	61 - 102	1	30
Bis(2-chloroethyl)ether	35	U	3500	2820		ug/Kg	☀	81	58 - 102	0	30
Bis(2-ethylhexyl) phthalate	350	U	3500	3130		ug/Kg	☀	90	60 - 125	2	30
Butyl benzyl phthalate	350	U	3500	3170		ug/Kg	☀	91	62 - 123	4	30
Caprolactam	350	U	7000	5670		ug/Kg	☀	81	44 - 129	4	30
Carbazole	350	U	3500	3000		ug/Kg	☀	86	62 - 107	1	30
Chrysene	22	J	3500	3090		ug/Kg	☀	88	64 - 105	1	30
Dibenz(a,h)anthracene	35	U	3500	3070		ug/Kg	☀	88	54 - 126	4	30
Dibenzofuran	350	U	3500	3080		ug/Kg	☀	88	62 - 102	2	30
Diethyl phthalate	350	U	3500	3190		ug/Kg	☀	91	61 - 110	0	30
Dimethyl phthalate	350	U	3500	3150		ug/Kg	☀	90	64 - 108	0	30
Di-n-butyl phthalate	350	U	3500	3200		ug/Kg	☀	91	62 - 114	1	30
Di-n-octyl phthalate	350	U	3500	3160		ug/Kg	☀	90	52 - 137	3	30
Fluoranthene	38	J	3500	3060		ug/Kg	☀	87	59 - 109	2	30
Fluorene	350	U	3500	3080		ug/Kg	☀	88	65 - 108	2	30
Hexachlorobenzene	35	U	3500	3220		ug/Kg	☀	92	65 - 117	2	30
Hexachlorobutadiene	70	U	3500	2820		ug/Kg	☀	81	60 - 105	2	30
Hexachlorocyclopentadiene	350	U	3500	2850		ug/Kg	☀	82	37 - 119	3	30
Hexachloroethane	35	U	3500	2750		ug/Kg	☀	79	60 - 94	0	30
Indeno[1,2,3-cd]pyrene	35	U	3500	3070		ug/Kg	☀	88	50 - 134	1	30
Isophorone	42	J	3500	3180		ug/Kg	☀	90	60 - 102	1	30
Naphthalene	350	U	3500	3100		ug/Kg	☀	89	64 - 99	2	30
Nitrobenzene	35	U	3500	2900		ug/Kg	☀	83	59 - 102	0	30
N-Nitrosodi-n-propylamine	35	U	3500	3120		ug/Kg	☀	89	56 - 112	0	30
N-Nitrosodiphenylamine	350	U	3500	2860		ug/Kg	☀	82	71 - 119	2	30
Pentachlorophenol	280	U	7000	5220		ug/Kg	☀	75	47 - 115	1	30
Phenanthrene	18	J	3500	3010		ug/Kg	☀	86	66 - 105	1	30
Phenol	350	U	3500	2620		ug/Kg	☀	75	55 - 99	1	30
Pyrene	39	J	3500	3100		ug/Kg	☀	88	55 - 126	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	82		10 - 95
2-Fluorobiphenyl	80		27 - 84
2-Fluorophenol (Surr)	65		21 - 84
Nitrobenzene-d5 (Surr)	76		28 - 92
Phenol-d5 (Surr)	69		22 - 88
Terphenyl-d14 (Surr)	87		16 - 114

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 460-360758/1-A ^2

Matrix: Solid

Analysis Batch: 360851

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 360758

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	10.3	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Antimony	2.0	U	2.0	0.79	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Arsenic	1.5	U	1.5	0.49	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Barium	20.0	U	20.0	0.72	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Beryllium	0.20	U	0.20	0.17	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Cadmium	0.40	U	0.40	0.21	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Calcium	500	U	500	29.6	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Chromium	1.0	U	1.0	0.48	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Cobalt	5.0	U	5.0	0.58	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Copper	2.5	U	2.5	0.65	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Iron	15.0	U	15.0	11.3	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Lead	1.0	U	1.0	0.39	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Magnesium	500	U	500	25.0	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Manganese	1.5	U	1.5	0.53	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Nickel	4.0	U	4.0	0.73	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Potassium	500	U	500	15.2	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Selenium	2.0	U	2.0	0.69	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Silver	1.0	U	1.0	0.18	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Sodium	500	U	500	33.9	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Thallium	2.0	U	2.0	0.89	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Vanadium	5.0	U	5.0	0.50	mg/Kg		04/05/16 07:40	04/05/16 14:18	2
Zinc	3.0	U	3.0	0.73	mg/Kg		04/05/16 07:40	04/05/16 14:18	2

Lab Sample ID: LCSSRM 460-360758/2-A ^4

Matrix: Solid

Analysis Batch: 360851

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 360758

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8080	6935		mg/Kg		85.8	51.1 - 148.5
Antimony	123	73.71		mg/Kg		59.9	1.0 - 200.0
Arsenic	145	135.1		mg/Kg		93.2	79.3 - 121.4
Barium	209	207.3		mg/Kg		99.2	83.3 - 117.2
Beryllium	97.3	92.76		mg/Kg		95.3	82.6 - 117.2
Cadmium	87.6	85.02		mg/Kg		97.1	82.6 - 117.6
Calcium	5690	5337		mg/Kg		93.8	81.0 - 118.8
Chromium	143	141.4		mg/Kg		98.8	79.7 - 119.6
Cobalt	154	152.5		mg/Kg		99.0	83.8 - 115.6
Copper	173	159.3		mg/Kg		92.1	81.5 - 117.9
Iron	15000	13160		mg/Kg		87.8	46.8 - 154.0

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 460-360758/2-A ^4

Matrix: Solid

Analysis Batch: 360851

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 360758

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	146	151.8		mg/Kg		103.9	81.5 - 118.5
Magnesium	2640	2408		mg/Kg		91.2	76.5 - 123.5
Manganese	309	300.4		mg/Kg		97.2	81.6 - 118.8
Nickel	129	133.1		mg/Kg		103.2	82.9 - 117.1
Potassium	2400	2090		mg/Kg		87.1	71.7 - 128.3
Selenium	178	170.0		mg/Kg		95.5	78.7 - 121.3
Silver	31.3	27.80		mg/Kg		88.8	75.1 - 124.9
Sodium	869	742.9	J	mg/Kg		85.5	72.7 - 126.6
Thallium	141	144.7		mg/Kg		102.6	79.4 - 121.3
Vanadium	115	106.7		mg/Kg		92.8	77.6 - 122.6
Zinc	194	190.4		mg/Kg		98.1	82.0 - 118.0

Lab Sample ID: 460-111461-K-1-C MS

Matrix: Solid

Analysis Batch: 360851

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 360758

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	5290		226	7336	4	mg/Kg	☼	903	75 - 125
Antimony	44.0	U	56.6	34.37	N	mg/Kg	☼	61	75 - 125
Arsenic	33.0	U	226	210.8		mg/Kg	☼	93	75 - 125
Barium	1030		226	879.2	4	mg/Kg	☼	-67	75 - 125
Beryllium	4.4	U	5.66	5.64		mg/Kg	☼	100	75 - 125
Cadmium	8.8	U	5.66	7.04		mg/Kg	☼	124	75 - 125
Chromium	14.7	J	22.6	40.01		mg/Kg	☼	112	75 - 125
Cobalt	110	U	56.6	57.31		mg/Kg	☼	101	75 - 125
Copper	19.7	J	28.3	45.58		mg/Kg	☼	91	75 - 125
Iron	11100		113	11430	4	mg/Kg	☼	279	75 - 125
Magnesium	23100		2260	20080	4	mg/Kg	☼	-134	75 - 125
Manganese	165		56.6	210.5		mg/Kg	☼	80	75 - 125
Nickel	88.0	U	56.6	62.79		mg/Kg	☼	111	75 - 125
Potassium	635	J	2260	2688		mg/Kg	☼	91	75 - 125
Selenium	44.0	U	226	212.6		mg/Kg	☼	94	75 - 125
Silver	22.0	U	5.66	5.15		mg/Kg	☼	91	75 - 125
Sodium	11000	U	2260	2178		mg/Kg	☼	96	75 - 125
Thallium	44.0	U	226	213.3		mg/Kg	☼	94	75 - 125
Vanadium	16.6	J	56.6	72.64		mg/Kg	☼	99	75 - 125
Zinc	576		56.6	472.3	4	mg/Kg	☼	-182	75 - 125

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 460-111461-K-1-B DU
Matrix: Solid
Analysis Batch: 360851

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 360758

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Aluminum	5070		5298		mg/Kg	☼	4	20
Antimony	4.4	U	4.6	U	mg/Kg	☼	NC	20
Arsenic	4.6		4.43		mg/Kg	☼	4	20
Barium	970		1026		mg/Kg	☼	6	20
Beryllium	0.44	U	0.46	U	mg/Kg	☼	NC	20
Cadmium	1.9		2.06		mg/Kg	☼	6	20
Chromium	13.5		14.41		mg/Kg	☼	6	20
Cobalt	4.3	J	4.55	J	mg/Kg	☼	5	20
Copper	18.2		19.06		mg/Kg	☼	5	20
Iron	10300		10770		mg/Kg	☼	4	20
Magnesium	22600		23710		mg/Kg	☼	5	20
Manganese	154		160.6		mg/Kg	☼	4	20
Nickel	6.4	J	6.69	J	mg/Kg	☼	5	20
Potassium	592	J	629.8	J	mg/Kg	☼	6	20
Selenium	4.4	U	4.6	U	mg/Kg	☼	NC	20
Silver	2.2	U	2.3	U	mg/Kg	☼	NC	20
Sodium	196	J	203.9	J	mg/Kg	☼	4	20
Thallium	4.4	U	4.6	U	mg/Kg	☼	NC	20
Vanadium	15.7		16.66		mg/Kg	☼	6	20
Zinc	526		548.8		mg/Kg	☼	4	20

Lab Sample ID: MB 460-361487/1-A ^2
Matrix: Solid
Analysis Batch: 361731

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 361487

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	10.3	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Antimony	2.0	U	2.0	0.79	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Arsenic	1.5	U	1.5	0.49	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Barium	20.0	U	20.0	0.72	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Beryllium	0.20	U	0.20	0.17	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Cadmium	0.40	U	0.40	0.21	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Calcium	500	U	500	29.6	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Chromium	1.0	U	1.0	0.48	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Cobalt	5.0	U	5.0	0.58	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Copper	2.5	U	2.5	0.65	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Iron	15.0	U	15.0	11.3	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Lead	1.0	U	1.0	0.39	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Magnesium	500	U	500	25.0	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Manganese	1.5	U	1.5	0.53	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Nickel	4.0	U	4.0	0.73	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Potassium	500	U	500	15.2	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Selenium	2.0	U	2.0	0.69	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Silver	1.0	U	1.0	0.18	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Sodium	500	U	500	33.9	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Thallium	2.0	U	2.0	0.89	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Vanadium	5.0	U	5.0	0.50	mg/Kg		04/08/16 08:41	04/09/16 22:42	2
Zinc	3.0	U	3.0	0.73	mg/Kg		04/08/16 08:41	04/09/16 22:42	2

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 460-361487/2-A ^4
Matrix: Solid
Analysis Batch: 361731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 361487

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8080	6618		mg/Kg		81.9	51.1 - 148.5
Antimony	123	108.9		mg/Kg		88.6	1.0 - 200.0
Arsenic	145	131.9		mg/Kg		90.9	79.3 - 121.4
Barium	209	208.0		mg/Kg		99.5	83.3 - 117.2
Beryllium	97.3	97.43		mg/Kg		100.1	82.6 - 117.2
Cadmium	87.6	86.75		mg/Kg		99.0	82.6 - 117.6
Calcium	5690	5208		mg/Kg		91.5	81.0 - 118.8
Chromium	143	132.6		mg/Kg		92.7	79.7 - 119.6
Cobalt	154	156.3		mg/Kg		101.5	83.8 - 115.6
Copper	173	157.3		mg/Kg		90.9	81.5 - 117.9
Iron	15000	13490		mg/Kg		89.9	46.8 - 154.0
Lead	146	145.2		mg/Kg		99.5	81.5 - 118.5
Magnesium	2640	2184		mg/Kg		82.7	76.5 - 123.5
Manganese	309	301.4		mg/Kg		97.5	81.6 - 118.8
Nickel	129	135.8		mg/Kg		105.3	82.9 - 117.1
Potassium	2400	2214		mg/Kg		92.2	71.7 - 128.3
Selenium	178	165.4		mg/Kg		92.9	78.7 - 121.3
Silver	31.3	27.33		mg/Kg		87.3	75.1 - 124.9
Sodium	869	851.8	J	mg/Kg		98.0	72.7 - 126.6
Thallium	141	149.7		mg/Kg		106.2	79.4 - 121.3
Vanadium	115	105.8		mg/Kg		92.0	77.6 - 122.6
Zinc	194	194.5		mg/Kg		100.2	82.0 - 118.0

Lab Sample ID: 460-110314-A-10-E MS ^4
Matrix: Solid
Analysis Batch: 361731

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 361487

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	15400		216	17760	4	mg/Kg	☼	1090	75 - 125
Antimony	4.1	U	54.0	34.90	N	mg/Kg	☼	65	75 - 125
Arsenic	2.6	J	216	187.8		mg/Kg	☼	86	75 - 125
Barium	187		216	407.5		mg/Kg	☼	102	75 - 125

TestAmerica Edison

QC Sample Results

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 460-110314-A-10-E MS ^4

Matrix: Solid

Analysis Batch: 361731

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 361487

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Beryllium	1.5		5.40	6.77		mg/Kg	☼	98	75 - 125
Cadmium	0.82	U	5.40	5.30		mg/Kg	☼	98	75 - 125
Calcium	2490		2160	4274		mg/Kg	☼	83	75 - 125
Chromium	31.0		21.6	55.13		mg/Kg	☼	112	75 - 125
Cobalt	18.7		54.0	69.69		mg/Kg	☼	94	75 - 125
Copper	6.2		27.0	30.23		mg/Kg	☼	89	75 - 125
Iron	32700		108	39280	4	mg/Kg	☼	6080	75 - 125
Lead	20.1		54.0	72.84		mg/Kg	☼	98	75 - 125
Magnesium	11300		2160	13700	4	mg/Kg	☼	112	75 - 125
Manganese	815		54.0	912.2	4	mg/Kg	☼	179	75 - 125
Nickel	48.4		54.0	100.7		mg/Kg	☼	97	75 - 125
Potassium	4180		2160	6887		mg/Kg	☼	125	75 - 125
Selenium	4.1	U	216	181.1		mg/Kg	☼	84	75 - 125
Silver	2.1	U	5.40	4.53		mg/Kg	☼	84	75 - 125
Sodium	292	J	2160	2367		mg/Kg	☼	96	75 - 125
Thallium	2.0	J	216	208.0		mg/Kg	☼	95	75 - 125
Vanadium	34.1		54.0	86.51		mg/Kg	☼	97	75 - 125
Zinc	105		54.0	158.7		mg/Kg	☼	100	75 - 125

Lab Sample ID: 460-110314-A-10-D DU ^4

Matrix: Solid

Analysis Batch: 361731

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 361487

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Aluminum	15400		15990		mg/Kg	☼	4	20
Antimony	4.1	U	4.2	U	mg/Kg	☼	NC	20
Arsenic	2.6	J	3.09	J	mg/Kg	☼	16	20
Barium	187		196.9		mg/Kg	☼	5	20
Beryllium	1.5		1.53		mg/Kg	☼	3	20
Cadmium	0.82	U	0.83	U	mg/Kg	☼	NC	20
Calcium	2490		2406		mg/Kg	☼	3	20
Chromium	31.0		34.42		mg/Kg	☼	11	20
Cobalt	18.7		19.78		mg/Kg	☼	5	20
Copper	6.2		6.65		mg/Kg	☼	7	20
Iron	32700		39200		mg/Kg	☼	18	20
Lead	20.1		22.95		mg/Kg	☼	13	20
Magnesium	11300		11620		mg/Kg	☼	3	20
Manganese	815		840.5		mg/Kg	☼	3	20
Nickel	48.4		49.77		mg/Kg	☼	3	20
Potassium	4180		4271		mg/Kg	☼	2	20
Selenium	4.1	U	4.2	U	mg/Kg	☼	NC	20
Silver	2.1	U	2.1	U	mg/Kg	☼	NC	20
Sodium	292	J	289.6	J	mg/Kg	☼	1	20
Thallium	2.0	J	2.54	J	mg/Kg	☼	22	20
Vanadium	34.1		39.07		mg/Kg	☼	14	20
Zinc	105		108.6		mg/Kg	☼	4	20

TestAmerica Edison

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.
*	Surrogate is outside acceptance limits.
J	Indicates an estimated value.

Metals

Qualifier	Qualifier Description
U	Indicates analyzed for but not detected.
J	Sample result is greater than the MDL but below the CRDL
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
N	Spiked sample recovery is not within control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

GC/MS Semi VOA

Prep Batch: 360667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111539-1	E2	Total/NA	Solid	3546	
460-111539-2	E4	Total/NA	Solid	3546	
460-111539-3	C5	Total/NA	Solid	3546	
460-111539-3 MS	C5	Total/NA	Solid	3546	
460-111539-3 MSD	C5	Total/NA	Solid	3546	
460-111539-4	B4	Total/NA	Solid	3546	
LCS 460-360667/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 460-360667/3-A	Lab Control Sample	Total/NA	Solid	3546	
MB 460-360667/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 360719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111539-1	E2	Total/NA	Solid	8270D	360667
460-111539-2	E4	Total/NA	Solid	8270D	360667
460-111539-3	C5	Total/NA	Solid	8270D	360667
460-111539-3 MS	C5	Total/NA	Solid	8270D	360667
460-111539-3 MSD	C5	Total/NA	Solid	8270D	360667
460-111539-4	B4	Total/NA	Solid	8270D	360667
LCS 460-360667/2-A	Lab Control Sample	Total/NA	Solid	8270D	360667
LCS 460-360667/3-A	Lab Control Sample	Total/NA	Solid	8270D	360667
MB 460-360667/1-A	Method Blank	Total/NA	Solid	8270D	360667

Metals

Prep Batch: 360758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111461-K-1-A PDS	Post Spike	Total/NA	Solid	3050B	
460-111461-K-1-A SD	SD	Total/NA	Solid	3050B	
460-111461-K-1-B DU	Duplicate	Total/NA	Solid	3050B	
460-111461-K-1-C MS	Matrix Spike	Total/NA	Solid	3050B	
460-111539-3	C5	Total/NA	Solid	3050B	
460-111539-4	B4	Total/NA	Solid	3050B	
LCSSRM 460-360758/2-A ^4	Lab Control Sample	Total/NA	Solid	3050B	
MB 460-360758/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 360851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111461-K-1-A PDS	Post Spike	Total/NA	Solid	6010C	360758
460-111461-K-1-A SD	SD	Total/NA	Solid	6010C	360758
460-111461-K-1-B DU	Duplicate	Total/NA	Solid	6010C	360758
460-111461-K-1-C MS	Matrix Spike	Total/NA	Solid	6010C	360758
460-111539-3	C5	Total/NA	Solid	6010C	360758
460-111539-4	B4	Total/NA	Solid	6010C	360758
ICSA 460-360851/10	ICS		Solid	6010C	
ICSAB 460-360851/11	ICS		Solid	6010C	
LCSSRM 460-360758/2-A ^4	Lab Control Sample	Total/NA	Solid	6010C	360758
MB 460-360758/1-A ^2	Method Blank	Total/NA	Solid	6010C	360758

QC Association Summary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Metals (Continued)

Prep Batch: 361487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-110314-A-10-C PDS ^4	Post Spike	Total/NA	Solid	3050B	
460-110314-A-10-C SD ^20	SD	Total/NA	Solid	3050B	
460-110314-A-10-D DU ^4	Duplicate	Total/NA	Solid	3050B	
460-110314-A-10-E MS ^4	Matrix Spike	Total/NA	Solid	3050B	
460-111539-1	E2	Total/NA	Solid	3050B	
460-111539-2	E4	Total/NA	Solid	3050B	
LCSSRM 460-361487/2-A ^4	Lab Control Sample	Total/NA	Solid	3050B	
MB 460-361487/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 361731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-110314-A-10-C PDS ^4	Post Spike	Total/NA	Solid	6010C	361487
460-110314-A-10-C SD ^20	SD	Total/NA	Solid	6010C	361487
460-110314-A-10-D DU ^4	Duplicate	Total/NA	Solid	6010C	361487
460-110314-A-10-E MS ^4	Matrix Spike	Total/NA	Solid	6010C	361487
ICSA 460-361731/10	ICS		Solid	6010C	
ICSAB 460-361731/11	ICS		Solid	6010C	
LCSSRM 460-361487/2-A ^4	Lab Control Sample	Total/NA	Solid	6010C	361487
MB 460-361487/1-A ^2	Method Blank	Total/NA	Solid	6010C	361487

Analysis Batch: 361771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111539-1	E2	Total/NA	Solid	6010C	361487
460-111539-2	E4	Total/NA	Solid	6010C	361487
ICSA 460-361771/10	ICS		Solid	6010C	
ICSAB 460-361771/11	ICS		Solid	6010C	

General Chemistry

Analysis Batch: 360658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111501-A-2 DU	Duplicate	Total/NA	Solid	Moisture	
460-111539-1	E2	Total/NA	Solid	Moisture	
460-111539-2	E4	Total/NA	Solid	Moisture	
460-111539-3	C5	Total/NA	Solid	Moisture	
460-111539-4	B4	Total/NA	Solid	Moisture	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Client Sample ID: E2

Date Collected: 04/04/16 12:40

Date Received: 04/04/16 20:10

Lab Sample ID: 460-111539-1

Matrix: Solid

Percent Solids: 98.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			360667	04/04/16 21:26	JMS	TAL EDI
Total/NA	Analysis	8270D		1	360719	04/05/16 12:28	CAZ	TAL EDI
Total/NA	Prep	3050B			361487	04/08/16 09:32	MDC	TAL EDI
Total/NA	Analysis	6010C		4	361771	04/10/16 14:54	PHP	TAL EDI
Total/NA	Analysis	Moisture		1	360658	04/04/16 20:15	BMB	TAL EDI

Client Sample ID: E4

Date Collected: 04/04/16 13:00

Date Received: 04/04/16 20:10

Lab Sample ID: 460-111539-2

Matrix: Solid

Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			360667	04/04/16 21:26	JMS	TAL EDI
Total/NA	Analysis	8270D		1	360719	04/05/16 12:53	CAZ	TAL EDI
Total/NA	Prep	3050B			361487	04/08/16 09:32	MDC	TAL EDI
Total/NA	Analysis	6010C		4	361771	04/10/16 14:58	PHP	TAL EDI
Total/NA	Analysis	Moisture		1	360658	04/04/16 20:15	BMB	TAL EDI

Client Sample ID: C5

Date Collected: 04/04/16 13:10

Date Received: 04/04/16 20:10

Lab Sample ID: 460-111539-3

Matrix: Solid

Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			360667	04/04/16 21:26	JMS	TAL EDI
Total/NA	Analysis	8270D		1	360719	04/05/16 12:03	CAZ	TAL EDI
Total/NA	Prep	3050B			360758	04/05/16 07:40	MDC	TAL EDI
Total/NA	Analysis	6010C		4	360851	04/05/16 15:09	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	360658	04/04/16 20:15	BMB	TAL EDI

Client Sample ID: B4

Date Collected: 04/04/16 13:15

Date Received: 04/04/16 20:10

Lab Sample ID: 460-111539-4

Matrix: Solid

Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			360667	04/04/16 21:26	JMS	TAL EDI
Total/NA	Analysis	8270D		2	360719	04/05/16 13:47	CAZ	TAL EDI
Total/NA	Prep	3050B			360758	04/05/16 07:40	MDC	TAL EDI
Total/NA	Analysis	6010C		4	360851	04/05/16 15:13	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	360658	04/04/16 20:15	BMB	TAL EDI

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Certification Summary

Client: New York State D.E.C.
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-111539-1

Laboratory: TestAmerica Edison

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11452	03-31-17
The following analytes are included in this report, but certification is not offered by the governing authority:				
Analysis Method	Prep Method	Matrix	Analyte	
Moisture		Solid	Percent Moisture	
Moisture		Solid	Percent Solids	

8270D

**Semivolatile Organic Compounds
(GC/MS)**

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111539-1
 SDG No.: _____
 Matrix: Solid Level: Low
 GC Column (1): Rtxi-5Sil M ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
E2	460-111539-1	64	69	79	86 *	80	85
E4	460-111539-2	64	65	79	80	74	82
C5	460-111539-3	67	70	76	82	81	100
B4	460-111539-4	67	69	82	86 *	62	82
	MB 460-360667/1-A	73	79	83	83	84	95
	LCS 460-360667/2-A	73	75	85	88 *	88	89
	LCS 460-360667/3-A	78	83	87	86 *	85	98
C5 MS	460-111539-3 MS	68	72	80	85 *	90	91
C5 MSD	460-111539-3 MSD	65	69	76	80	82	87

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	21-84
PHL = Phenol-d5 (Surr)	22-88
NBZ = Nitrobenzene-d5 (Surr)	28-92
FBP = 2-Fluorobiphenyl	27-84
TBP = 2,4,6-Tribromophenol (Surr)	10-95
TPH = Terphenyl-d14 (Surr)	16-114

Column to be used to flag recovery values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111539-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: x12554.D
 Lab ID: LCS 460-360667/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	3330	3110	93	64-103	
1,2,4,5-Tetrachlorobenzene	3330	3060	92	62-109	
2,2'-oxybis[1-chloropropane]	3330	2910	87	42-119	
2,3,4,6-Tetrachlorophenol	3330	2790	84	57-113	
2,4,5-Trichlorophenol	3330	2600	78	59-105	
2,4,6-Trichlorophenol	3330	2730	82	61-107	
2,4-Dichlorophenol	3330	2660	80	59-99	
2,4-Dimethylphenol	3330	2680	80	60-98	
2,4-Dinitrophenol	6670	4790	72	26-137	
2,4-Dinitrotoluene	3330	3140	94	61-118	
2,6-Dinitrotoluene	3330	2980	89	63-112	
2-Chloronaphthalene	3330	2970	89	63-102	
2-Chlorophenol	3330	2720	81	58-95	
2-Methylnaphthalene	3330	2980	89	64-102	
2-Methylphenol	3330	2860	86	56-99	
2-Nitroaniline	3330	2890	87	46-113	
2-Nitrophenol	3330	2860	86	63-103	
3,3'-Dichlorobenzidine	3330	1780	53	18-92	
3-Nitroaniline	3330	1790	54	23-89	
4,6-Dinitro-2-methylphenol	6670	5460	82	51-124	
4-Bromophenyl phenyl ether	3330	3190	96	65-114	
4-Chloro-3-methylphenol	3330	2790	84	58-108	
4-Chloroaniline	3330	1700	51	10-82	
4-Chlorophenyl phenyl ether	3330	3090	93	63-107	
4-Methylphenol	3330	2620	79	53-103	
4-Nitroaniline	3330	2710	81	44-109	
4-Nitrophenol	6670	5460	82	45-125	
Acenaphthene	3330	2890	87	59-102	
Acenaphthylene	3330	3080	92	63-102	
Acetophenone	3330	3160	95	56-107	
Anthracene	3330	3060	92	66-105	
Benzo[a]anthracene	3330	2900	87	65-106	
Benzo[a]pyrene	3330	3020	91	68-111	
Benzo[b]fluoranthene	3330	3050	92	67-116	
Benzo[g,h,i]perylene	3330	3070	92	49-124	
Benzo[k]fluoranthene	3330	2930	88	65-114	
Bis(2-chloroethoxy)methane	3330	2870	86	61-102	
Bis(2-chloroethyl)ether	3330	3010	90	58-102	
Bis(2-ethylhexyl) phthalate	3330	3010	90	60-125	
Butyl benzyl phthalate	3330	2980	89	62-123	
Carbazole	3330	2960	89	62-107	
Chrysene	3330	3120	94	64-105	

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.: 460-111539-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: x12554.D
 Lab ID: LCS 460-360667/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dibenz (a,h) anthracene	3330	3040	91	54-126	
Dibenzofuran	3330	3080	92	62-102	
Diethyl phthalate	3330	3030	91	61-110	
Dimethyl phthalate	3330	3030	91	64-108	
Di-n-butyl phthalate	3330	3060	92	62-114	
Di-n-octyl phthalate	3330	3070	92	52-137	
Fluoranthene	3330	2990	90	59-109	
Fluorene	3330	3050	92	65-108	
Hexachlorobenzene	3330	3250	98	65-117	
Hexachlorobutadiene	3330	3070	92	60-105	
Hexachlorocyclopentadiene	3330	3170	95	37-119	
Hexachloroethane	3330	3020	91	60-94	
Indeno[1,2,3-cd]pyrene	3330	3000	90	50-134	
Isophorone	3330	3140	94	60-102	
Naphthalene	3330	3280	98	64-99	
Nitrobenzene	3330	3080	92	59-102	
N-Nitrosodi-n-propylamine	3330	3170	95	56-112	
N-Nitrosodiphenylamine	3330	2850	85	71-119	
Pentachlorophenol	6670	5280	79	47-115	
Phenanthrene	3330	2970	89	66-105	
Phenol	3330	2820	85	55-99	
Pyrene	3330	3000	90	55-126	

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.: 460-111539-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: x12555.D
Lab ID: LCS 460-360667/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Atrazine	6670	6160	92	41-116	
Benzaldehyde	6670	5980	90	55-116	
Caprolactam	6670	6610	99	44-129	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-111539-1

SDG No.: _____

Matrix: Solid

Level: Low

Lab File ID: x12556.D

Lab ID: 460-111539-3 MS

Client ID: C5 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	3500	350 U	3040	87	64-103	
1,2,4,5-Tetrachlorobenzene	3500	350 U	2880	82	62-109	
2,2'-oxybis[1-chloropropane]	3500	350 U	2790	80	42-119	
2,3,4,6-Tetrachlorophenol	3500	350 U	2800	80	57-113	
2,4,5-Trichlorophenol	3500	350 U	2390	68	59-105	
2,4,6-Trichlorophenol	3500	140 U	2680	77	61-107	
2,4-Dichlorophenol	3500	140 U	2590	74	59-99	
2,4-Dimethylphenol	3500	350 U	2630	75	60-98	
2,4-Dinitrophenol	7000	280 U	5150	74	26-137	
2,4-Dinitrotoluene	3500	70 U	3300	94	61-118	
2,6-Dinitrotoluene	3500	70 U	3060	88	63-112	
2-Chloronaphthalene	3500	350 U	2880	82	63-102	
2-Chlorophenol	3500	350 U	2530	72	58-95	
2-Methylnaphthalene	3500	350 U	2950	84	64-102	
2-Methylphenol	3500	350 U	2770	79	56-99	
2-Nitroaniline	3500	350 U	2890	82	46-113	
2-Nitrophenol	3500	350 U	2770	79	63-103	
3,3'-Dichlorobenzidine	3500	140 U	1960	56	18-92	
3-Nitroaniline	3500	350 U	2040	58	23-89	
4,6-Dinitro-2-methylphenol	7000	280 U	5630	80	51-124	
4-Bromophenyl phenyl ether	3500	350 U	3090	88	65-114	
4-Chloro-3-methylphenol	3500	350 U	2740	78	58-108	
4-Chloroaniline	3500	350 U	1440	41	10-82	
4-Chlorophenyl phenyl ether	3500	350 U	3140	90	63-107	
4-Methylphenol	3500	350 U	2720	78	53-103	
4-Nitroaniline	3500	350 U	2930	84	44-109	
4-Nitrophenol	7000	700 U	5730	82	45-125	
Acenaphthene	3500	350 U	2890	83	59-102	
Acenaphthylene	3500	350 U	3060	88	63-102	
Acetophenone	3500	350 U	2930	84	56-107	
Anthracene	3500	350 U	3050	87	66-105	
Atrazine	7000	140 U	6350	91	41-116	
Benzaldehyde	7000	350 U	4870	70	55-116	
Benzo[a]anthracene	3500	35 U	2930	84	65-106	
Benzo[a]pyrene	3500	26 J	3030	86	68-111	
Benzo[b]fluoranthene	3500	29 J	3130	89	67-116	
Benzo[g,h,i]perylene	3500	21 J	3140	89	49-124	
Benzo[k]fluoranthene	3500	16 J	2890	82	65-114	
Bis(2-chloroethoxy)methane	3500	350 U	2860	82	61-102	
Bis(2-chloroethyl)ether	3500	35 U	2810	80	58-102	
Bis(2-ethylhexyl) phthalate	3500	350 U	3080	88	60-125	
Butyl benzyl phthalate	3500	350 U	3050	87	62-123	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111539-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: x12556.D
 Lab ID: 460-111539-3 MS Client ID: C5 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Caprolactam	7000	350 U	5880	84	44-129	
Carbazole	3500	350 U	2960	85	62-107	
Chrysene	3500	22 J	3120	89	64-105	
Dibenz (a,h) anthracene	3500	35 U	2960	85	54-126	
Dibenzofuran	3500	350 U	3030	87	62-102	
Diethyl phthalate	3500	350 U	3180	91	61-110	
Dimethyl phthalate	3500	350 U	3140	90	64-108	
Di-n-butyl phthalate	3500	350 U	3170	91	62-114	
Di-n-octyl phthalate	3500	350 U	3070	88	52-137	
Fluoranthene	3500	38 J	3140	89	59-109	
Fluorene	3500	350 U	3140	90	65-108	
Hexachlorobenzene	3500	35 U	3170	91	65-117	
Hexachlorobutadiene	3500	70 U	2880	82	60-105	
Hexachlorocyclopentadiene	3500	350 U	2930	84	37-119	
Hexachloroethane	3500	35 U	2740	78	60-94	
Indeno[1,2,3-cd]pyrene	3500	35 U	3030	87	50-134	
Isophorone	3500	42 J	3220	91	60-102	
Naphthalene	3500	350 U	3150	90	64-99	
Nitrobenzene	3500	35 U	2910	83	59-102	
N-Nitrosodi-n-propylamine	3500	35 U	3120	89	56-112	
N-Nitrosodiphenylamine	3500	350 U	2800	80	71-119	
Pentachlorophenol	7000	280 U	5140	74	47-115	
Phenanthrene	3500	18 J	2970	85	66-105	
Phenol	3500	350 U	2590	74	55-99	
Pyrene	3500	39 J	3010	85	55-126	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-111539-1

SDG No.: _____

Matrix: Solid

Level: Low

Lab File ID: x12557.D

Lab ID: 460-111539-3 MSD

Client ID: C5 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1'-Biphenyl	3500	2970	85	2	30	64-103	
1,2,4,5-Tetrachlorobenzene	3500	2870	82	0	30	62-109	
2,2'-oxybis[1-chloropropane]	3500	2820	81	1	30	42-119	
2,3,4,6-Tetrachlorophenol	3500	2780	79	1	30	57-113	
2,4,5-Trichlorophenol	3500	2420	69	2	30	59-105	
2,4,6-Trichlorophenol	3500	2650	76	1	30	61-107	
2,4-Dichlorophenol	3500	2590	74	0	30	59-99	
2,4-Dimethylphenol	3500	2620	75	1	30	60-98	
2,4-Dinitrophenol	7000	5150	74	0	30	26-137	
2,4-Dinitrotoluene	3500	3320	95	1	30	61-118	
2,6-Dinitrotoluene	3500	3110	89	2	30	63-112	
2-Chloronaphthalene	3500	2840	81	1	30	63-102	
2-Chlorophenol	3500	2580	74	2	30	58-95	
2-Methylnaphthalene	3500	2890	83	2	30	64-102	
2-Methylphenol	3500	2800	80	1	30	56-99	
2-Nitroaniline	3500	2980	85	3	30	46-113	
2-Nitrophenol	3500	2740	78	1	30	63-103	
3,3'-Dichlorobenzidine	3500	2120	61	8	30	18-92	
3-Nitroaniline	3500	2110	60	3	30	23-89	
4,6-Dinitro-2-methylphenol	7000	5670	81	1	30	51-124	
4-Bromophenyl phenyl ether	3500	3150	90	2	30	65-114	
4-Chloro-3-methylphenol	3500	2760	79	1	30	58-108	
4-Chloroaniline	3500	1550	44	7	30	10-82	
4-Chlorophenyl phenyl ether	3500	3130	89	0	30	63-107	
4-Methylphenol	3500	2760	79	1	30	53-103	
4-Nitroaniline	3500	2900	83	1	30	44-109	
4-Nitrophenol	7000	5740	82	0	30	45-125	
Acenaphthene	3500	2890	83	0	30	59-102	
Acenaphthylene	3500	3050	87	0	30	63-102	
Acetophenone	3500	2960	85	1	30	56-107	
Anthracene	3500	3080	88	1	30	66-105	
Atrazine	7000	6280	90	1	30	41-116	
Benzaldehyde	7000	4720	67	3	30	55-116	
Benzo[a]anthracene	3500	2960	85	1	30	65-106	
Benzo[a]pyrene	3500	3030	86	0	30	68-111	
Benzo[b]fluoranthene	3500	3180	90	2	30	67-116	
Benzo[g,h,i]perylene	3500	3190	90	2	30	49-124	
Benzo[k]fluoranthene	3500	2850	81	1	30	65-114	
Bis(2-chloroethoxy)methane	3500	2830	81	1	30	61-102	
Bis(2-chloroethyl)ether	3500	2820	81	0	30	58-102	
Bis(2-ethylhexyl) phthalate	3500	3130	90	2	30	60-125	
Butyl benzyl phthalate	3500	3170	91	4	30	62-123	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111539-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: x12557.D
 Lab ID: 460-111539-3 MSD Client ID: C5 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Caprolactam	7000	5670	81	4	30	44-129	
Carbazole	3500	3000	86	1	30	62-107	
Chrysene	3500	3090	88	1	30	64-105	
Dibenz (a,h) anthracene	3500	3070	88	4	30	54-126	
Dibenzofuran	3500	3080	88	2	30	62-102	
Diethyl phthalate	3500	3190	91	0	30	61-110	
Dimethyl phthalate	3500	3150	90	0	30	64-108	
Di-n-butyl phthalate	3500	3200	91	1	30	62-114	
Di-n-octyl phthalate	3500	3160	90	3	30	52-137	
Fluoranthene	3500	3060	87	2	30	59-109	
Fluorene	3500	3080	88	2	30	65-108	
Hexachlorobenzene	3500	3220	92	2	30	65-117	
Hexachlorobutadiene	3500	2820	81	2	30	60-105	
Hexachlorocyclopentadiene	3500	2850	82	3	30	37-119	
Hexachloroethane	3500	2750	79	0	30	60-94	
Indeno[1,2,3-cd]pyrene	3500	3070	88	1	30	50-134	
Isophorone	3500	3180	90	1	30	60-102	
Naphthalene	3500	3100	89	2	30	64-99	
Nitrobenzene	3500	2900	83	0	30	59-102	
N-Nitrosodi-n-propylamine	3500	3120	89	0	30	56-112	
N-Nitrosodiphenylamine	3500	2860	82	2	30	71-119	
Pentachlorophenol	7000	5220	75	1	30	47-115	
Phenanthrene	3500	3010	86	1	30	66-105	
Phenol	3500	2620	75	1	30	55-99	
Pyrene	3500	3100	88	3	30	55-126	

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.: 460-111539-1
SDG No.: _____
Lab File ID: x12553.D Lab Sample ID: MB 460-360667/1-A
Matrix: Solid Date Extracted: 04/04/2016 21:26
Instrument ID: CBNAMS5 Date Analyzed: 04/05/2016 09:59
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-360667/2-A	x12554.D	04/05/2016 10:23
	LCS 460-360667/3-A	x12555.D	04/05/2016 10:48
C5 MS	460-111539-3 MS	x12556.D	04/05/2016 11:13
C5 MSD	460-111539-3 MSD	x12557.D	04/05/2016 11:38
C5	460-111539-3	x12558.D	04/05/2016 12:03
E2	460-111539-1	x12559.D	04/05/2016 12:28
E4	460-111539-2	x12560.D	04/05/2016 12:53
B4	460-111539-4	x12562.D	04/05/2016 13:47

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

Lab Name: TestAmerica Edison Job No.: 460-111539-1
SDG No.: _____
Lab File ID: x12330.D DFTPP Injection Date: 03/31/2016
Instrument ID: CBNAMS5 DFTPP Injection Time: 04:03
Analysis Batch No.: 359755

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	39.3
68	Less than 2.0 % of mass 69	0.2 (0.4) 1
69	Mass 69 relative abundance	46.8
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	52.4
197	Less than 1.0 % of mass 198	0.4
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.7
275	10.0 - 30.0 % of mass 198	25.9
365	Greater than 1.0 % of mass 198	3.2
441	Present but less than mass 443	9.9 (81.9) 3
442	Greater than 40.0 % of mass 198	63.6
443	17.0 - 23.0 % of mass 442	12.1 (19.1) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-359755/2	x12331.D	03/31/2016	04:19
	STD120 460-359755/3	x12332.D	03/31/2016	04:44
	STD80 460-359755/4	x12333.D	03/31/2016	05:09
	STD20 460-359755/5	x12334.D	03/31/2016	05:34
	STD10 460-359755/6	x12335.D	03/31/2016	05:58
	STD5 460-359755/7	x12336.D	03/31/2016	06:23
	STD2 460-359755/8	x12337.D	03/31/2016	06:47
	STD1 460-359755/9	x12338.D	03/31/2016	07:11
	STD05 460-359755/10	x12339.D	03/31/2016	07:35
	STD50 460-359755/11	x12340.D	03/31/2016	08:00
	STD120 460-359755/12	x12341.D	03/31/2016	08:24
	STD80 460-359755/13	x12342.D	03/31/2016	08:48
	STD20 460-359755/14	x12343.D	03/31/2016	09:13
	STD10 460-359755/15	x12344.D	03/31/2016	09:37
	STD5 460-359755/16	x12345.D	03/31/2016	10:02
	STD2 460-359755/17	x12346.D	03/31/2016	10:26
	ICV 460-359755/18	x12347.D	03/31/2016	10:50
	ICV 460-359755/19	x12348.D	03/31/2016	11:15

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

Lab Name: TestAmerica Edison Job No.: 460-111539-1
SDG No.: _____
Lab File ID: x12549f.D DFTPP Injection Date: 04/05/2016
Instrument ID: CBNAMS5 DFTPP Injection Time: 07:31
Analysis Batch No.: 360719

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	46.4
68	Less than 2.0 % of mass 69	0.6 (1.1) 1
69	Mass 69 relative abundance	54.6
70	Less than 2.0 % of mass 69	0.3 (0.5) 1
127	40.0 - 60.0 % of mass 198	58.6
197	Less than 1.0 % of mass 198	0.1
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.3
275	10.0 - 30.0 % of mass 198	26.5
365	Greater than 1.0 % of mass 198	4.0
441	Present but less than mass 443	9.1 (89.3) 3
442	Greater than 40.0 % of mass 198	58.1
443	17.0 - 23.0 % of mass 442	10.2 (17.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-360719/2	x12550a.D	04/05/2016	08:15
	CCV 460-360719/3	x12551.D	04/05/2016	08:45
	MB 460-360667/1-A	x12553.D	04/05/2016	09:59
	LCS 460-360667/2-A	x12554.D	04/05/2016	10:23
	LCS 460-360667/3-A	x12555.D	04/05/2016	10:48
C5 MS	460-111539-3 MS	x12556.D	04/05/2016	11:13
C5 MSD	460-111539-3 MSD	x12557.D	04/05/2016	11:38
C5	460-111539-3	x12558.D	04/05/2016	12:03
E2	460-111539-1	x12559.D	04/05/2016	12:28
E4	460-111539-2	x12560.D	04/05/2016	12:53
B4	460-111539-4	x12562.D	04/05/2016	13:47

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

Lab Name: TestAmerica Edison Job No.: 460-111539-1
 SDG No.: _____
 Sample No.: ICIS 460-359755/2 Date Analyzed: 03/31/2016 04:19
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x12331.D Heated Purge: (Y/N) N
 Calibration ID: 55117

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	1924346	4.55	6450559	5.83	2468764	7.58	
UPPER LIMIT	3848692	5.05	12901118	6.33	4937528	8.08	
LOWER LIMIT	962173	4.05	3225280	5.33	1234382	7.08	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-359755/18		2023995	4.55	6916357	5.83	2765491	7.59
ICV 460-359755/19		2056674	4.55	7397912	5.83	3093834	7.58

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.: 460-111539-1
 SDG No.: _____
 Sample No.: ICIS 460-359755/2 Date Analyzed: 03/31/2016 04:19
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x12331.D Heated Purge: (Y/N) N
 Calibration ID: 55117

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	2752461	9.04	1529350	11.87	1268837	13.85
UPPER LIMIT	5504922	9.54	3058700	12.37	2537674	14.35
LOWER LIMIT	1376231	8.54	764675	11.37	634419	13.35
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 460-359755/18		3040604	9.05	1550746	11.87	1138538
ICV 460-359755/19		3738108	9.05	1599560	11.87	1121706

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

Lab Name: TestAmerica Edison Job No.: 460-111539-1
 SDG No.: _____
 Sample No.: CCVIS 460-360719/2 Date Analyzed: 04/05/2016 08:15
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x12550a.D Heated Purge: (Y/N) N
 Calibration ID: 55122

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1632978	4.37	5528483	5.65	2190243	7.40
UPPER LIMIT		3265956	4.87	11056966	6.15	4380486	7.90
LOWER LIMIT		816489	3.87	2764242	5.15	1095122	6.90
LAB SAMPLE ID		CLIENT SAMPLE ID					
MB 460-360667/1-A		1662129	4.36	6274275	5.65	2933899	7.40
LCS 460-360667/2-A		1662632	4.37	5904529	5.65	2493799	7.40
LCS 460-360667/3-A		1617778	4.37	6287678	5.65	3035348	7.40
460-111539-3 MS	C5 MS	1634305	4.39	5843955	5.66	2563316	7.40
460-111539-3 MSD	C5 MSD	1511819	4.39	5474152	5.66	2381468	7.40
460-111539-3	C5	1653581	4.38	6220372	5.65	2865217	7.40
460-111539-1	E2	1469320	4.38	5206876	5.65	2236490	7.40
460-111539-2	E4	1469600	4.38	5100516	5.65	2248053	7.40
460-111539-4	B4	1475754	4.37	5082700	5.65	2187254	7.40

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.: 460-111539-1
 SDG No.: _____
 Sample No.: CCVIS 460-360719/2 Date Analyzed: 04/05/2016 08:15
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x12550a.D Heated Purge: (Y/N) N
 Calibration ID: 55122

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		2674893	8.87	1420001	11.63	1041016	13.54
UPPER LIMIT		5349786	9.37	2840002	12.13	2082032	14.04
LOWER LIMIT		1337447	8.37	710001	11.13	520508	13.04
LAB SAMPLE ID		CLIENT SAMPLE ID					
MB 460-360667/1-A		3771793	8.86	1822431	11.62	1231349	13.54
LCS 460-360667/2-A		3000771	8.87	1607312	11.63	1182279	13.54
LCS 460-360667/3-A		4066715	8.87	2126079	11.62	1394420	13.53
460-111539-3 MS	C5 MS	3257838	8.87	1800887	11.62	1342737	13.53
460-111539-3 MSD	C5 MSD	2923609	8.87	1524188	11.63	1142506	13.53
460-111539-3	C5	3808572	8.86	1749504	11.62	1262959	13.53
460-111539-1	E2	2692938	8.86	1362445	11.62	1180846	13.53
460-111539-2	E4	2704987	8.86	1440171	11.62	1247739	13.54
460-111539-4	B4	2387000	8.86	1258215	11.63	1223161	13.54

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: <u>TestAmerica Edison</u>	Job No.: <u>460-111539-1</u>
SDG No.: _____	
Client Sample ID: <u>E2</u>	Lab Sample ID: <u>460-111539-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12559.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/04/2016 12:40</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0113(g)</u>	Date Analyzed: <u>04/05/2016 12:28</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>1.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	340	U	340	29
95-94-3	1,2,4,5-Tetrachlorobenzene	340	U	340	25
108-60-1	2,2'-oxybis[1-chloropropane]	340	U	340	14
58-90-2	2,3,4,6-Tetrachlorophenol	340	U	340	32
95-95-4	2,4,5-Trichlorophenol	340	U	340	33
88-06-2	2,4,6-Trichlorophenol	140	U	140	9.6
120-83-2	2,4-Dichlorophenol	140	U	140	7.9
105-67-9	2,4-Dimethylphenol	340	U	340	74
51-28-5	2,4-Dinitrophenol	270	U	270	250
121-14-2	2,4-Dinitrotoluene	68	U	68	13
606-20-2	2,6-Dinitrotoluene	68	U	68	18
91-58-7	2-Chloronaphthalene	340	U	340	7.6
95-57-8	2-Chlorophenol	340	U	340	8.5
91-57-6	2-Methylnaphthalene	340	U	340	7.4
95-48-7	2-Methylphenol	340	U	340	15
88-74-4	2-Nitroaniline	340	U	340	11
88-75-5	2-Nitrophenol	340	U	340	11
91-94-1	3,3'-Dichlorobenzidine	140	U	140	38
99-09-2	3-Nitroaniline	340	U	340	10
534-52-1	4,6-Dinitro-2-methylphenol	270	U	270	90
101-55-3	4-Bromophenyl phenyl ether	340	U	340	11
59-50-7	4-Chloro-3-methylphenol	340	U	340	14
106-47-8	4-Chloroaniline	340	U	340	8.7
7005-72-3	4-Chlorophenyl phenyl ether	340	U	340	10
106-44-5	4-Methylphenol	340	U	340	9.2
100-01-6	4-Nitroaniline	340	U	340	13
100-02-7	4-Nitrophenol	680	U	680	160
83-32-9	Acenaphthene	340	U	340	8.1
208-96-8	Acenaphthylene	340	U	340	8.7
98-86-2	Acetophenone	340	U	340	7.3
120-12-7	Anthracene	340	U	340	32
1912-24-9	Atrazine	140	U	140	15
100-52-7	Benzaldehyde	340	U	340	26
56-55-3	Benzo[a]anthracene	34	U	34	28

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111539-1</u>
SDG No.: _____	
Client Sample ID: <u>E2</u>	Lab Sample ID: <u>460-111539-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12559.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/04/2016 12:40</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0113(g)</u>	Date Analyzed: <u>04/05/2016 12:28</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>1.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	18	J	34	10
205-99-2	Benzo[b]fluoranthene	25	J	34	13
191-24-2	Benzo[g,h,i]perylene	23	J	340	19
207-08-9	Benzo[k]fluoranthene	34	U	34	15
111-91-1	Bis(2-chloroethoxy)methane	340	U	340	10
111-44-4	Bis(2-chloroethyl)ether	34	U	34	7.9
117-81-7	Bis(2-ethylhexyl) phthalate	340	U	340	13
85-68-7	Butyl benzyl phthalate	22	J	340	10
105-60-2	Caprolactam	340	U	340	24
86-74-8	Carbazole	340	U	340	8.3
218-01-9	Chrysene	18	J	340	9.2
53-70-3	Dibenz(a,h)anthracene	34	U	34	18
132-64-9	Dibenzofuran	340	U	340	10
84-66-2	Diethyl phthalate	340	U	340	9.6
131-11-3	Dimethyl phthalate	340	U	340	9.8
84-74-2	Di-n-butyl phthalate	340	U	340	10
117-84-0	Di-n-octyl phthalate	340	U	340	17
206-44-0	Fluoranthene	16	J	340	10
86-73-7	Fluorene	340	U	340	7.3
118-74-1	Hexachlorobenzene	34	U	34	14
87-68-3	Hexachlorobutadiene	68	U	68	9.5
77-47-4	Hexachlorocyclopentadiene	340	U	340	21
67-72-1	Hexachloroethane	34	U	34	12
193-39-5	Indeno[1,2,3-cd]pyrene	34	U	34	22
78-59-1	Isophorone	100	J	140	7.2
91-20-3	Naphthalene	340	U	340	8.5
98-95-3	Nitrobenzene	34	U	34	11
621-64-7	N-Nitrosodi-n-propylamine	34	U	34	11
86-30-6	N-Nitrosodiphenylamine	340	U	340	31
87-86-5	Pentachlorophenol	270	U	270	41
85-01-8	Phenanthrene	340	U	340	9.0
108-95-2	Phenol	340	U	340	11
129-00-0	Pyrene	18	J	340	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111539-1
SDG No.: _____
Client Sample ID: E2 Lab Sample ID: 460-111539-1
Matrix: Solid Lab File ID: x12559.D
Analysis Method: 8270D Date Collected: 04/04/2016 12:40
Extract. Method: 3546 Date Extracted: 04/04/2016 21:26
Sample wt/vol: 15.0113(g) Date Analyzed: 04/05/2016 12:28
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 1.8 GPC Cleanup: (Y/N) N
Analysis Batch No.: 360719 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	80		10-95
321-60-8	2-Fluorobiphenyl	86	*	27-84
367-12-4	2-Fluorophenol (Surr)	64		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	79		28-92
4165-62-2	Phenol-d5 (Surr)	69		22-88
1718-51-0	Terphenyl-d14 (Surr)	85		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12559.D
 Lims ID: 460-111539-A-1-A Lab Sample ID: 460-111539-1
 Client ID: E2
 Sample Type: Client
 Inject. Date: 05-Apr-2016 12:28:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039444-011
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 05-Apr-2016 14:52:02 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: croccom

Date: 05-Apr-2016 13:22:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.163	3.087	0.076	95	1742069	32.2	
\$ 6 Phenol-d5	99	4.016	4.022	-0.006	88	2094077	34.4	
* 14 1,4-Dichlorobenzene-d4	152	4.375	4.369	0.006	98	1469320	40.0	
\$ 26 Nitrobenzene-d5	82	4.922	4.934	-0.012	88	2176445	39.6	
31 Isophorone	82	5.181	5.198	-0.017	99	118138	1.48	
* 38 Naphthalene-d8	136	5.646	5.651	-0.005	99	5206876	40.0	
\$ 51 2-Fluorobiphenyl	172	6.734	6.739	-0.005	98	3607608	42.9	
* 65 Acenaphthene-d10	164	7.398	7.404	-0.006	93	2236490	40.0	
\$ 80 2,4,6-Tribromophenol	330	8.181	8.186	-0.005	94	314311	40.0	
* 88 Phenanthrene-d10	188	8.863	8.869	-0.006	99	2692938	40.0	
92 Di-n-butyl phthalate	149	9.445	9.451	-0.006	97	9965	0.1353	
93 Fluoranthene	202	10.057	10.063	-0.006	97	15112	0.2421	
95 Pyrene	202	10.280	10.286	-0.006	97	15415	0.2649	
\$ 96 Terphenyl-d14	244	10.445	10.445	0.000	99	1718587	42.7	
97 Butyl benzyl phthalate	149	10.963	10.969	-0.005	90	7196	0.3251	
* 102 Chrysene-d12	240	11.622	11.622	0.000	100	1362445	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.657	11.663	-0.006	50	4022	0.1392	
103 Chrysene	228	11.651	11.663	-0.012	89	9864	0.2609	
106 Benzo[b]fluoranthene	252	13.010	13.021	-0.011	95	13538	0.3673	
107 Benzo[k]fluoranthene	252	13.039	13.057	-0.018	1	5551	0.1424	
108 Benzo[a]pyrene	252	13.451	13.462	-0.011	91	8989	0.2658	
* 109 Perylene-d12	264	13.533	13.533	0.000	99	1180846	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.033	15.045	-0.012	67	8635	0.3024	
112 Benzo[g,h,i]perylene	276	15.451	15.462	-0.011	92	9872	0.3395	

Reagents:

SM_ISTD_00105 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160405-39444.b\\x12559.D

Injection Date: 05-Apr-2016 12:28:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: 460-111539-A-1-A

Lab Sample ID: 460-111539-1

Worklist Smp#: 11

Client ID: E2

Injection Vol: 1.0 ul

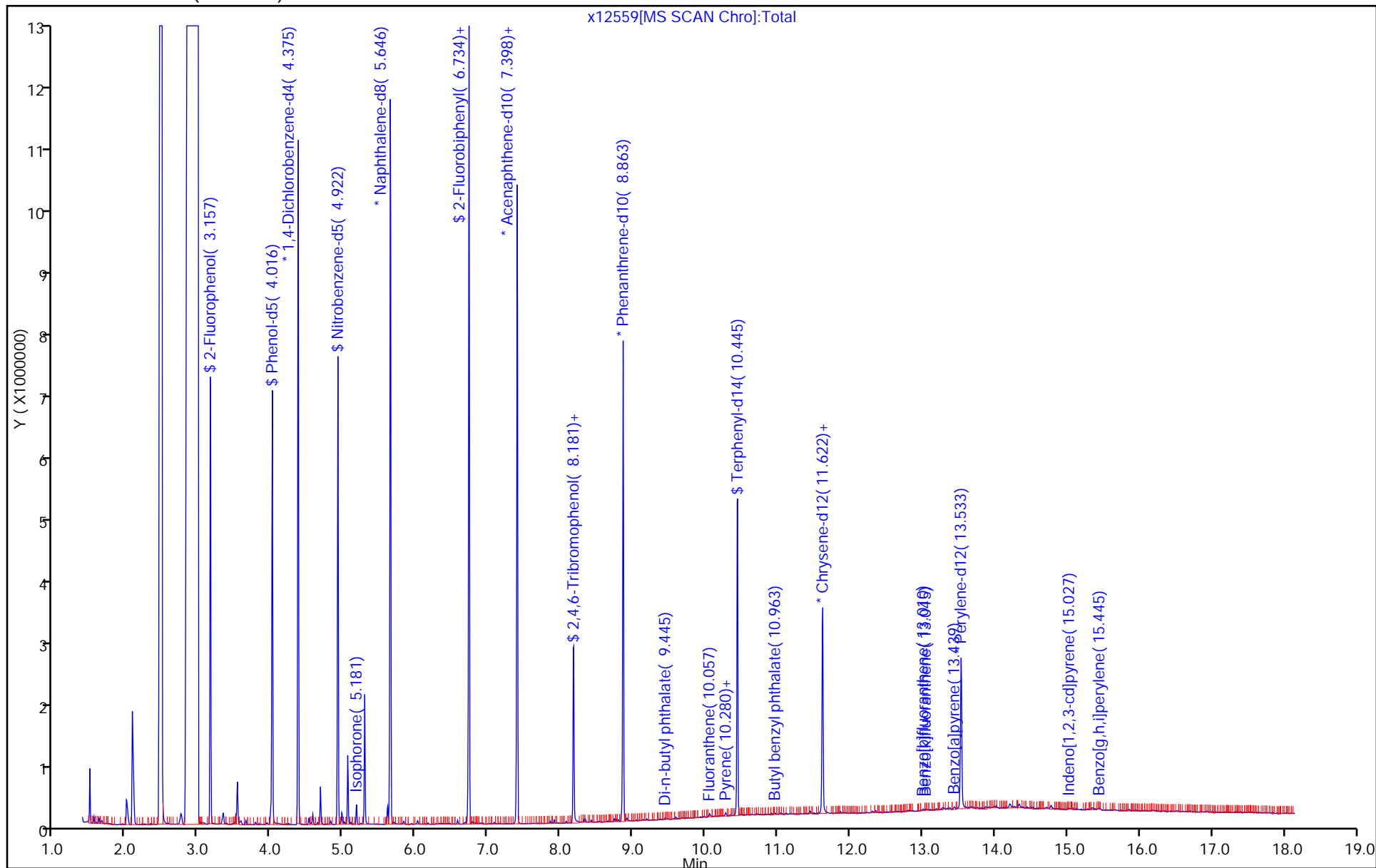
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12559.D

Injection Date: 05-Apr-2016 12:28:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-1-A

Lab Sample ID: 460-111539-1

Client ID: E2

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

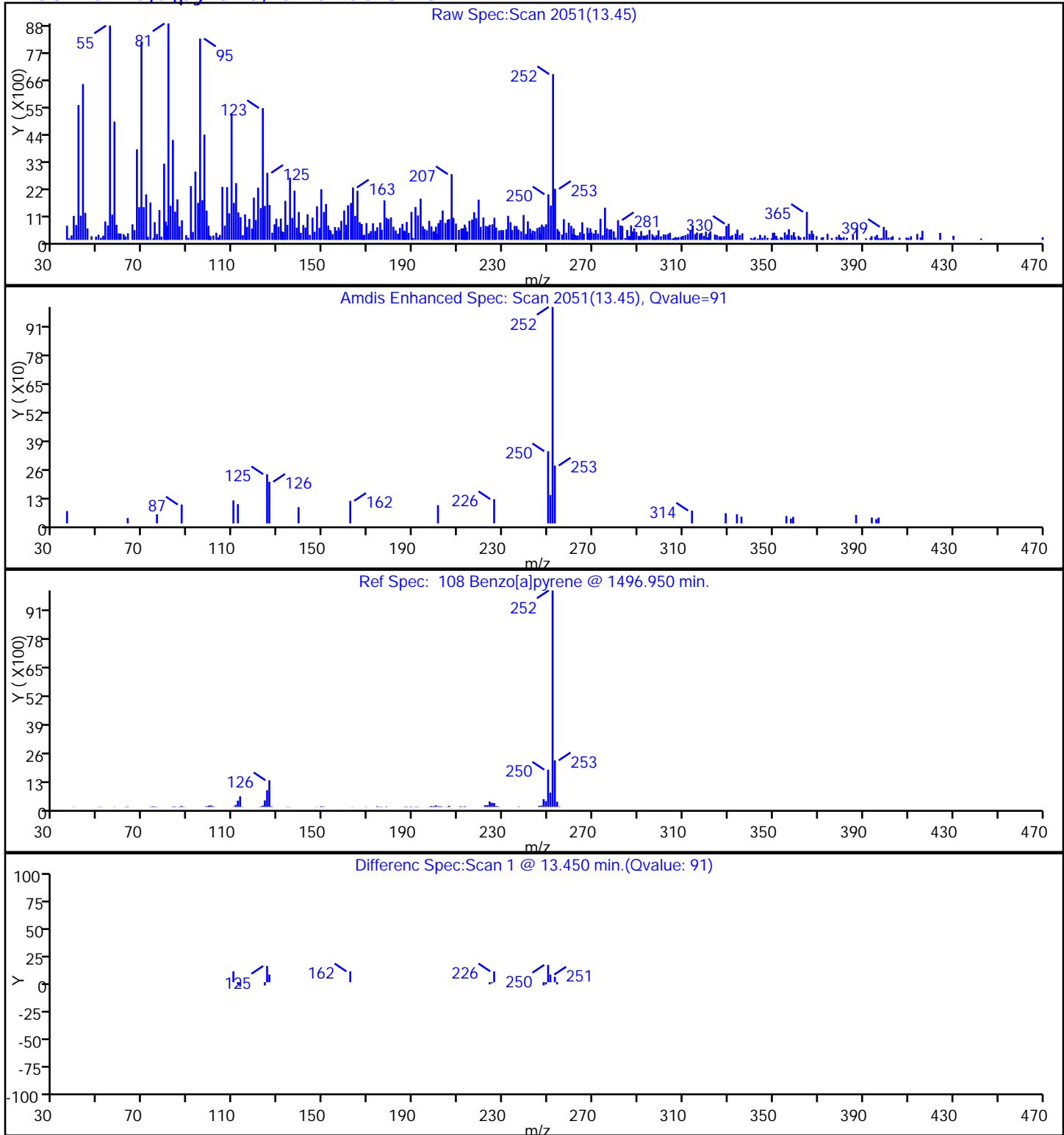
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12559.D

Injection Date: 05-Apr-2016 12:28:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-1-A

Lab Sample ID: 460-111539-1

Client ID: E2

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

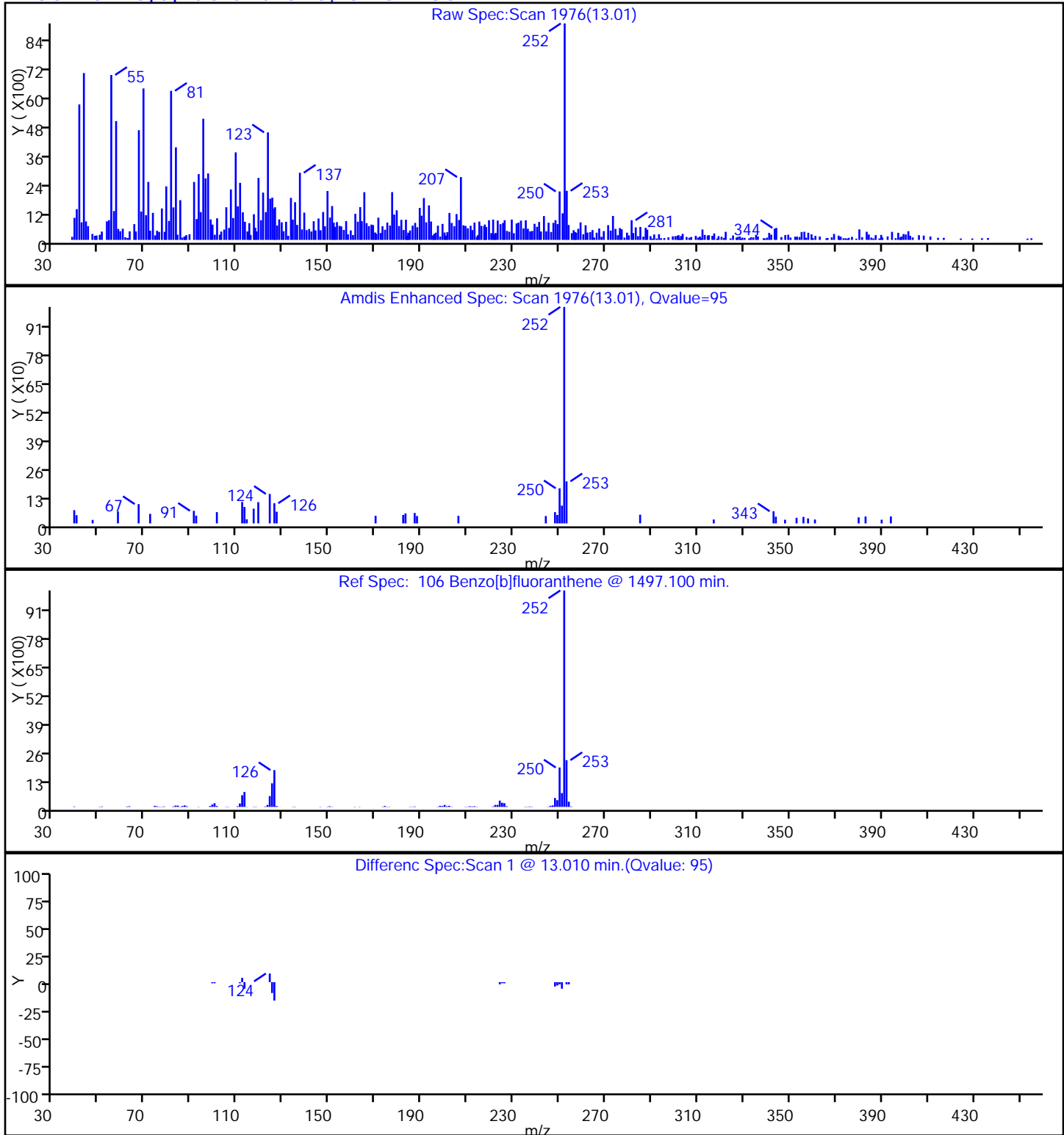
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12559.D

Injection Date: 05-Apr-2016 12:28:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-1-A

Lab Sample ID: 460-111539-1

Client ID: E2

Operator ID:

ALS Bottle#:

11

Worklist Smp#: 11

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

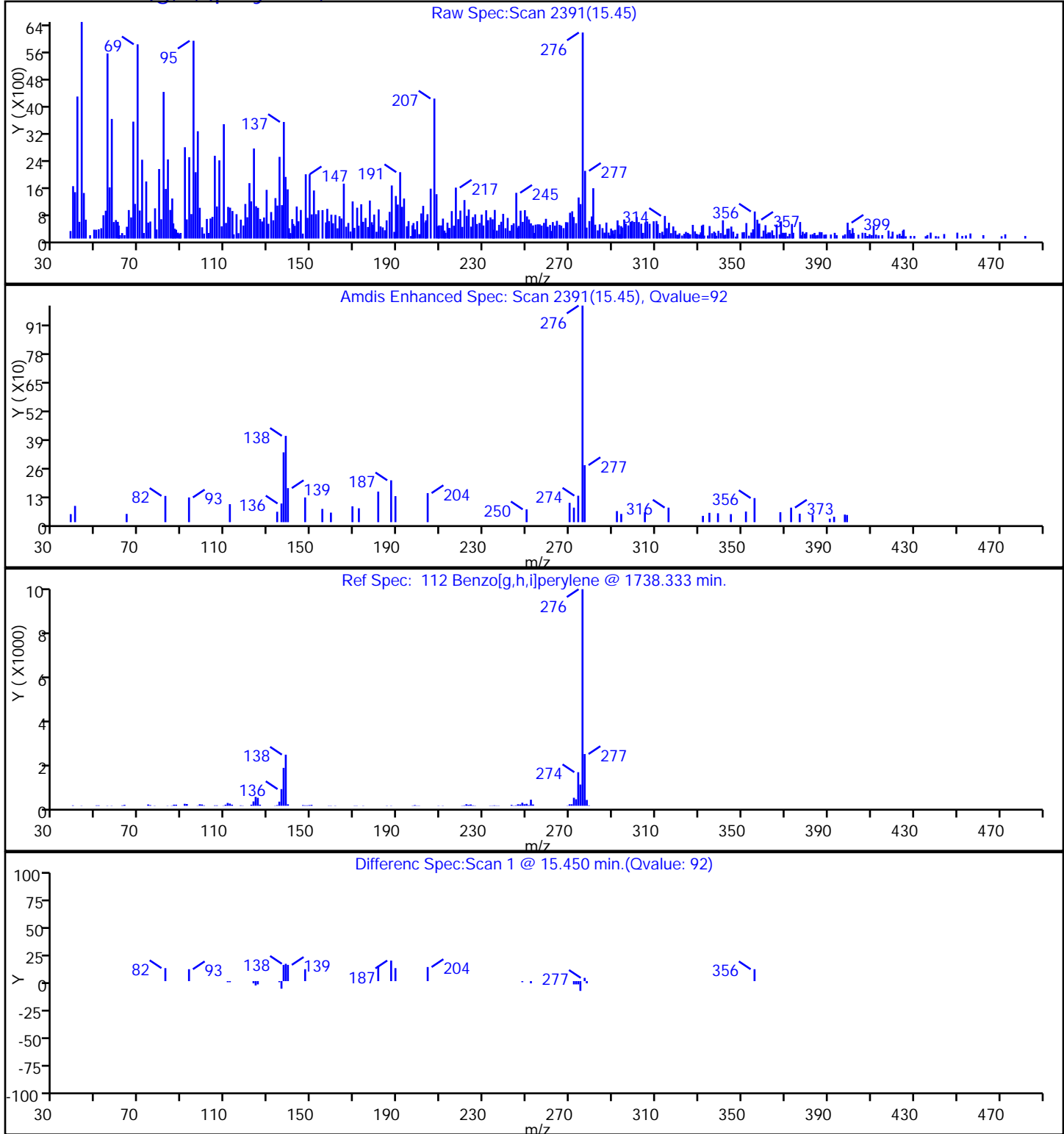
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12559.D

Injection Date: 05-Apr-2016 12:28:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-1-A

Lab Sample ID: 460-111539-1

Client ID: E2

Operator ID:

ALS Bottle#:

11

Worklist Smp#:

11

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

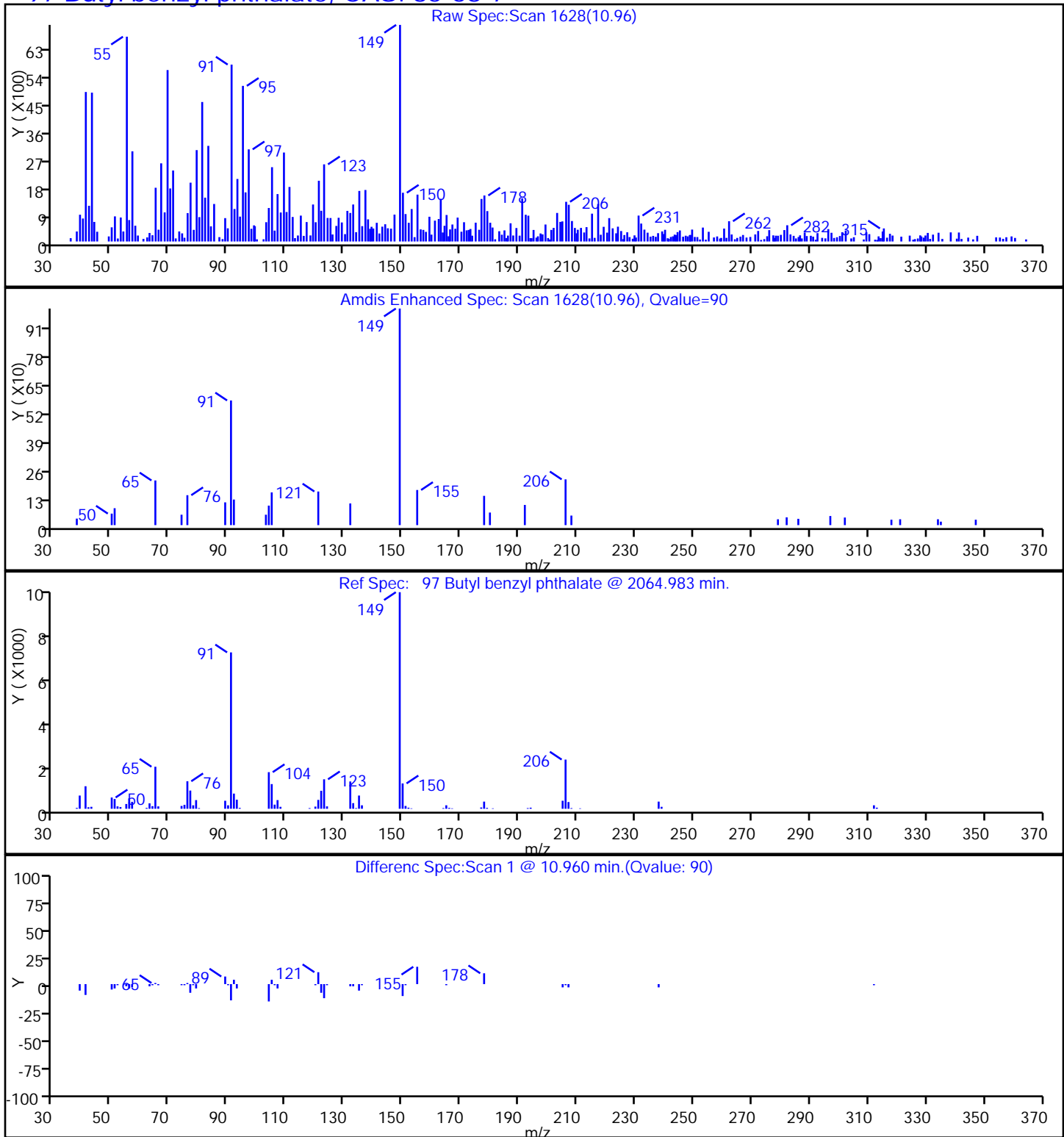
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

97 Butyl benzyl phthalate, CAS: 85-68-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12559.D

Injection Date: 05-Apr-2016 12:28:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-1-A

Lab Sample ID: 460-111539-1

Client ID: E2

Operator ID:

ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

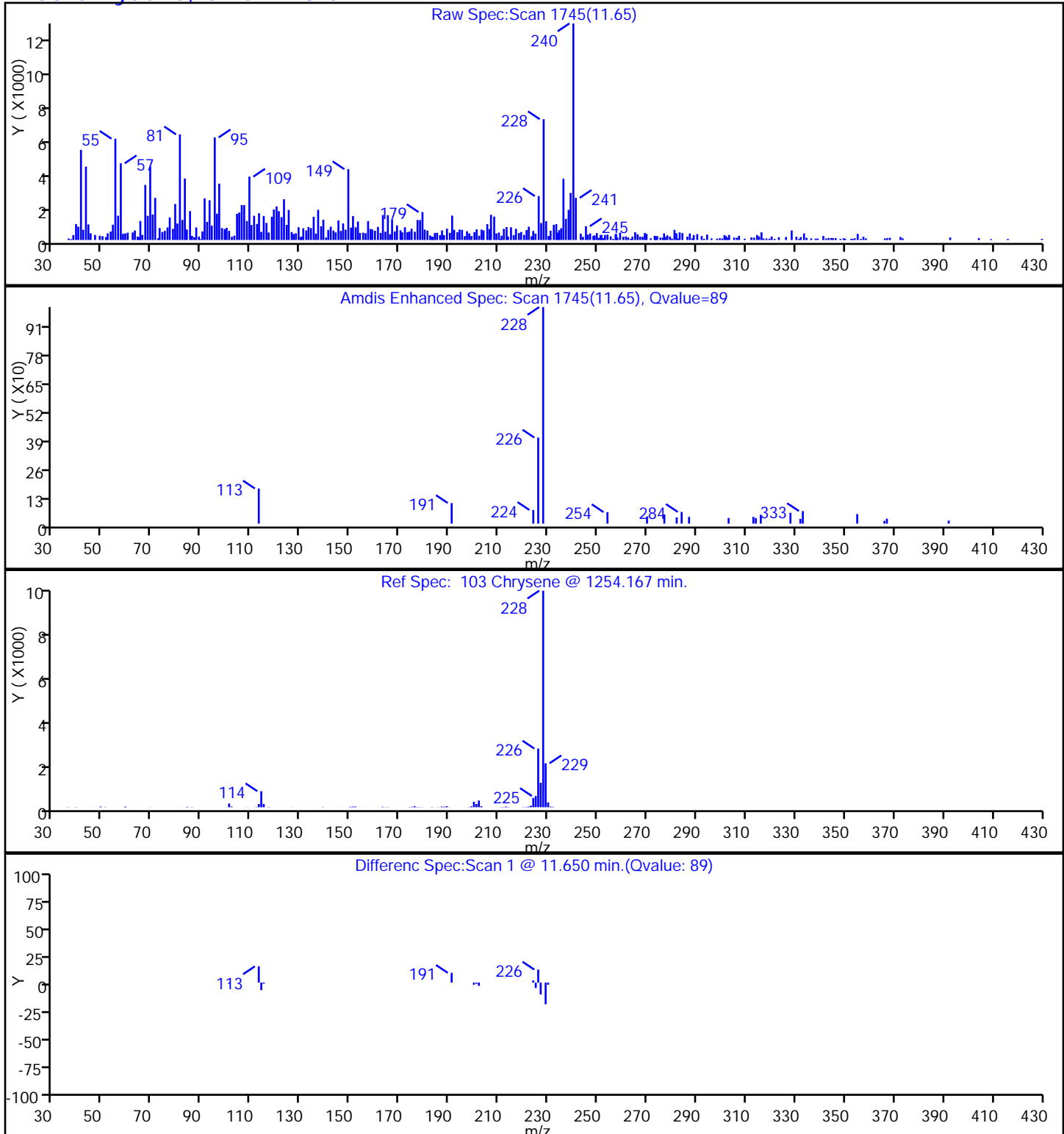
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12559.D

Injection Date: 05-Apr-2016 12:28:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-1-A

Lab Sample ID: 460-111539-1

Client ID: E2

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

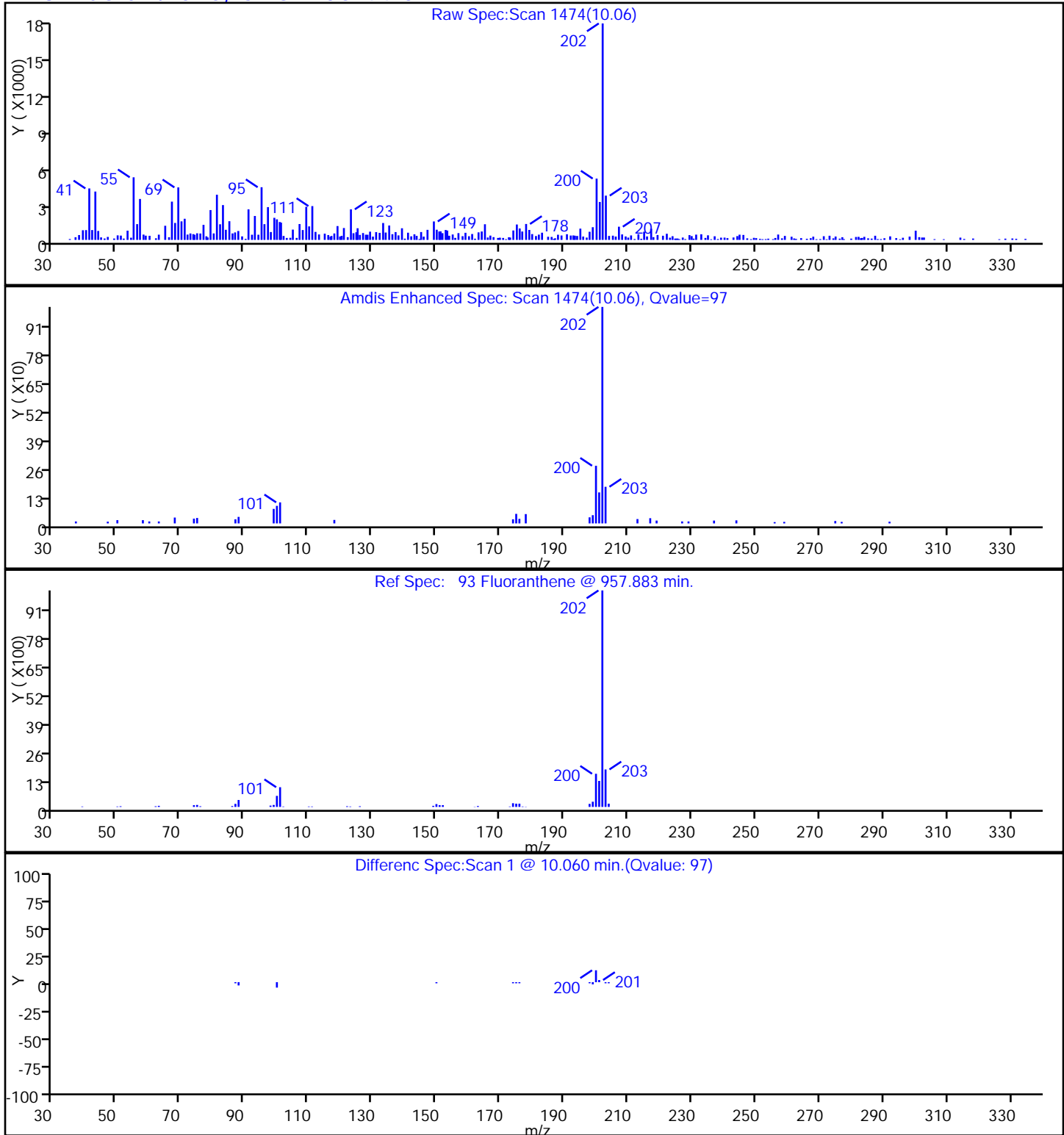
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

93 Fluoranthene, CAS: 206-44-0

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12559.D

Injection Date: 05-Apr-2016 12:28:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-1-A

Lab Sample ID: 460-111539-1

Client ID: E2

Operator ID:

ALS Bottle#:

Worklist Smp#: 11

Injection Vol: 1.0 ul

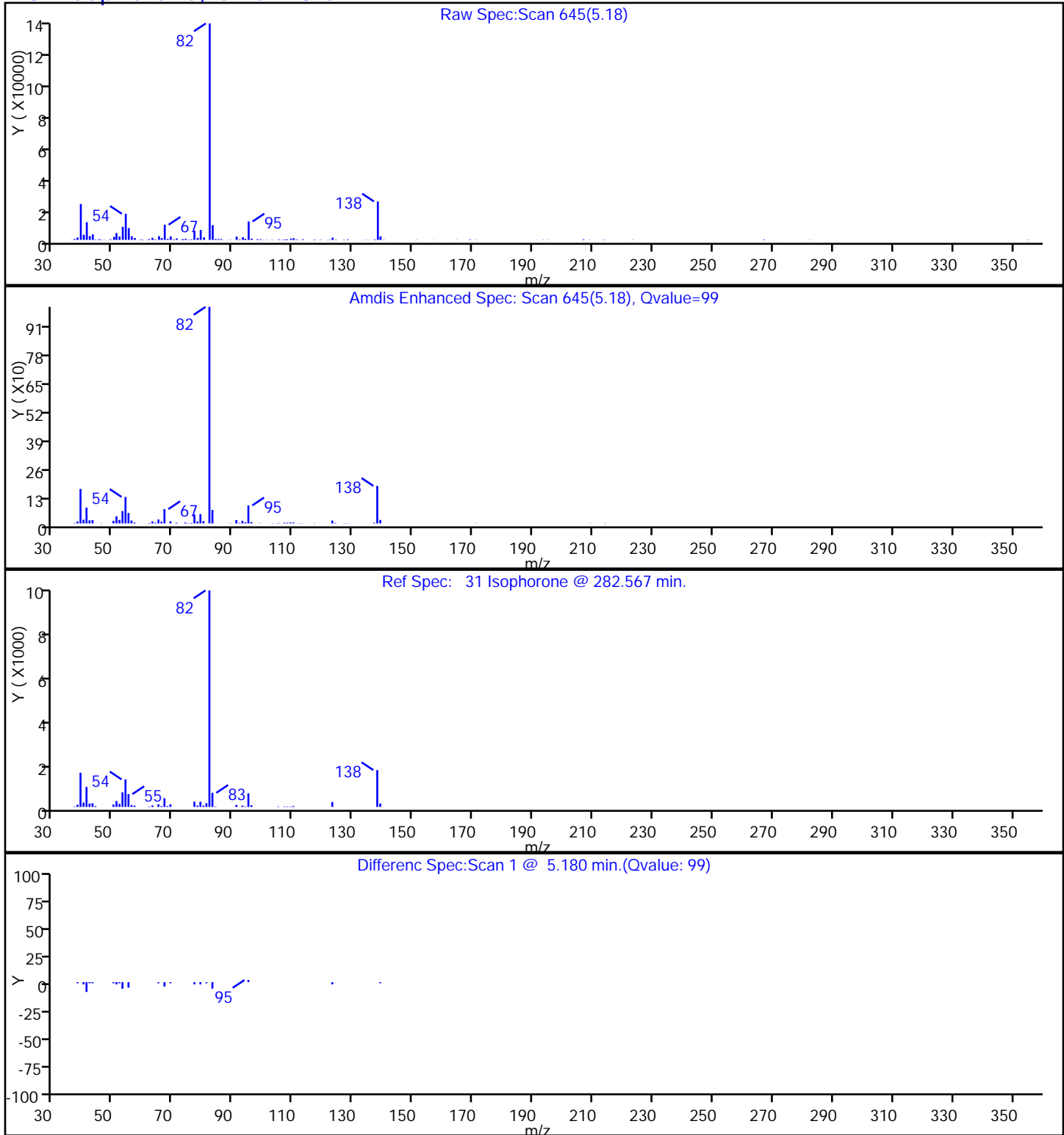
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

31 Isophorone, CAS: 78-59-1

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12559.D

Injection Date: 05-Apr-2016 12:28:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-1-A

Lab Sample ID: 460-111539-1

Client ID: E2

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

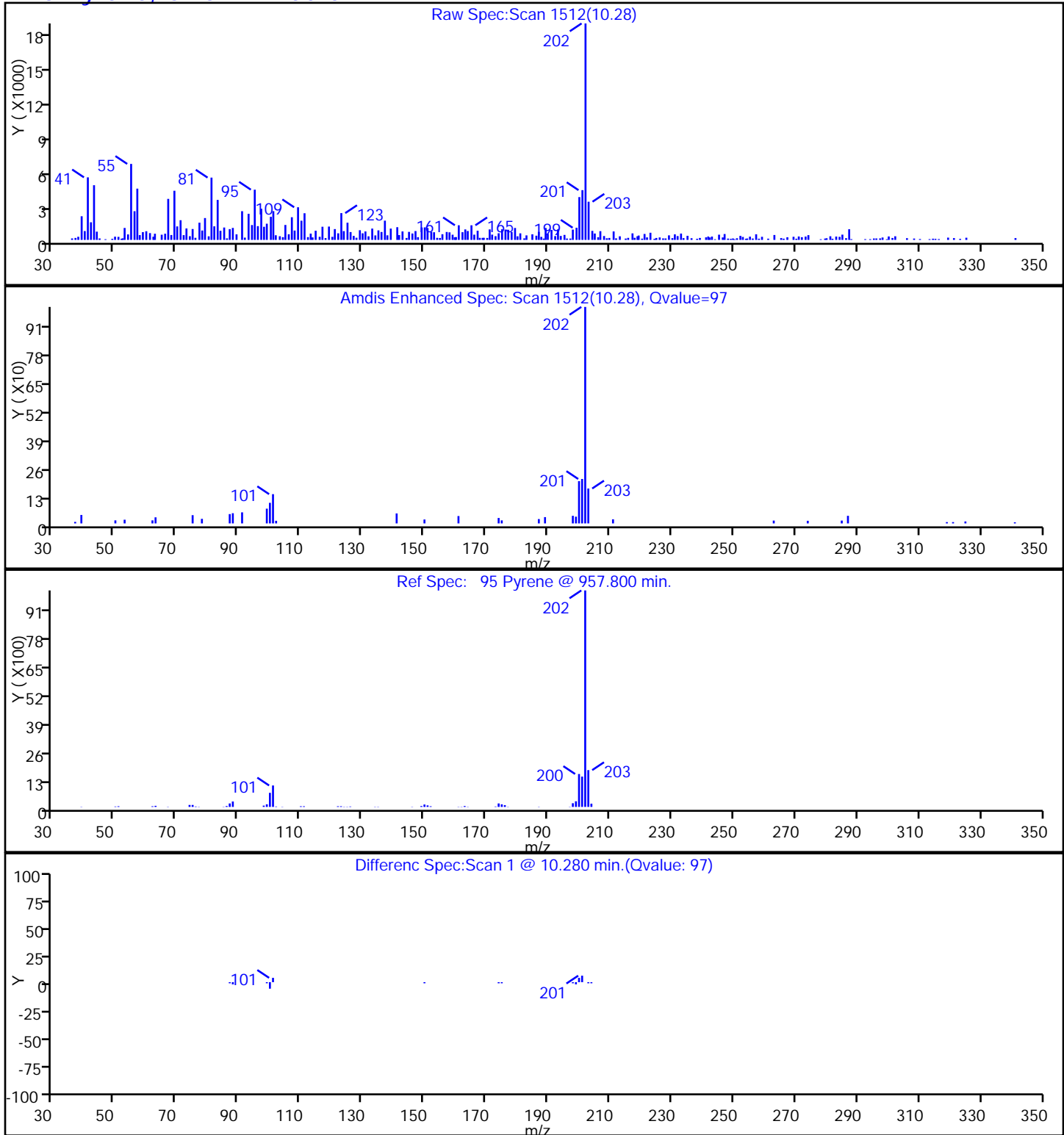
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

95 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111539-1</u>
SDG No.: _____	
Client Sample ID: <u>E4</u>	Lab Sample ID: <u>460-111539-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12560.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/04/2016 13:00</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0107(g)</u>	Date Analyzed: <u>04/05/2016 12:53</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>6.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	350	U	350	30
95-94-3	1,2,4,5-Tetrachlorobenzene	350	U	350	26
108-60-1	2,2'-oxybis[1-chloropropane]	350	U	350	15
58-90-2	2,3,4,6-Tetrachlorophenol	350	U	350	33
95-95-4	2,4,5-Trichlorophenol	350	U	350	35
88-06-2	2,4,6-Trichlorophenol	140	U	140	10
120-83-2	2,4-Dichlorophenol	140	U	140	8.3
105-67-9	2,4-Dimethylphenol	350	U	350	78
51-28-5	2,4-Dinitrophenol	280	U	280	270
121-14-2	2,4-Dinitrotoluene	72	U	72	14
606-20-2	2,6-Dinitrotoluene	72	U	72	19
91-58-7	2-Chloronaphthalene	350	U	350	8.0
95-57-8	2-Chlorophenol	350	U	350	9.0
91-57-6	2-Methylnaphthalene	10	J	350	7.8
95-48-7	2-Methylphenol	350	U	350	15
88-74-4	2-Nitroaniline	350	U	350	12
88-75-5	2-Nitrophenol	350	U	350	12
91-94-1	3,3'-Dichlorobenzidine	140	U	140	39
99-09-2	3-Nitroaniline	350	U	350	10
534-52-1	4,6-Dinitro-2-methylphenol	280	U	280	94
101-55-3	4-Bromophenyl phenyl ether	350	U	350	11
59-50-7	4-Chloro-3-methylphenol	350	U	350	15
106-47-8	4-Chloroaniline	350	U	350	9.1
7005-72-3	4-Chlorophenyl phenyl ether	350	U	350	11
106-44-5	4-Methylphenol	350	U	350	9.6
100-01-6	4-Nitroaniline	350	U	350	13
100-02-7	4-Nitrophenol	720	U	720	170
83-32-9	Acenaphthene	350	U	350	8.6
208-96-8	Acenaphthylene	17	J	350	9.1
98-86-2	Acetophenone	350	U	350	7.7
120-12-7	Anthracene	42	J	350	34
1912-24-9	Atrazine	140	U	140	16
100-52-7	Benzaldehyde	350	U	350	27
56-55-3	Benzo[a]anthracene	300		35	30

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111539-1</u>
SDG No.: _____	
Client Sample ID: <u>E4</u>	Lab Sample ID: <u>460-111539-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12560.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/04/2016 13:00</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0107(g)</u>	Date Analyzed: <u>04/05/2016 12:53</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>6.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	320		35	11
205-99-2	Benzo[b]fluoranthene	440		35	14
191-24-2	Benzo[g,h,i]perylene	340	J	350	20
207-08-9	Benzo[k]fluoranthene	170		35	15
111-91-1	Bis(2-chloroethoxy)methane	350	U	350	11
111-44-4	Bis(2-chloroethyl)ether	35	U	35	8.3
117-81-7	Bis(2-ethylhexyl) phthalate	190	J	350	14
85-68-7	Butyl benzyl phthalate	630		350	11
105-60-2	Caprolactam	350	U	350	25
86-74-8	Carbazole	10	J	350	8.8
218-01-9	Chrysene	330	J	350	9.6
53-70-3	Dibenz(a,h)anthracene	73		35	18
132-64-9	Dibenzofuran	350	U	350	11
84-66-2	Diethyl phthalate	350	U	350	10
131-11-3	Dimethyl phthalate	350	U	350	10
84-74-2	Di-n-butyl phthalate	120	J	350	11
117-84-0	Di-n-octyl phthalate	350	U	350	18
206-44-0	Fluoranthene	490		350	10
86-73-7	Fluorene	8.3	J	350	7.7
118-74-1	Hexachlorobenzene	35	U	35	14
87-68-3	Hexachlorobutadiene	72	U	72	9.9
77-47-4	Hexachlorocyclopentadiene	350	U	350	22
67-72-1	Hexachloroethane	35	U	35	13
193-39-5	Indeno[1,2,3-cd]pyrene	320		35	24
78-59-1	Isophorone	210		140	7.6
91-20-3	Naphthalene	19	J	350	9.0
98-95-3	Nitrobenzene	35	U	35	11
621-64-7	N-Nitrosodi-n-propylamine	35	U	35	12
86-30-6	N-Nitrosodiphenylamine	350	U	350	32
87-86-5	Pentachlorophenol	280	U	280	43
85-01-8	Phenanthrene	150	J	350	9.4
108-95-2	Phenol	350	U	350	12
129-00-0	Pyrene	450		350	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111539-1
SDG No.: _____
Client Sample ID: E4 Lab Sample ID: 460-111539-2
Matrix: Solid Lab File ID: x12560.D
Analysis Method: 8270D Date Collected: 04/04/2016 13:00
Extract. Method: 3546 Date Extracted: 04/04/2016 21:26
Sample wt/vol: 15.0107(g) Date Analyzed: 04/05/2016 12:53
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 6.5 GPC Cleanup: (Y/N) N
Analysis Batch No.: 360719 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	74		10-95
321-60-8	2-Fluorobiphenyl	80		27-84
367-12-4	2-Fluorophenol (Surr)	64		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	79		28-92
4165-62-2	Phenol-d5 (Surr)	65		22-88
1718-51-0	Terphenyl-d14 (Surr)	82		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D
 Lims ID: 460-111539-A-2-A Lab Sample ID: 460-111539-2
 Client ID: E4
 Sample Type: Client
 Inject. Date: 05-Apr-2016 12:53:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039444-012
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 05-Apr-2016 14:52:02 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: croccom

Date: 05-Apr-2016 13:24:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.163	3.087	0.076	95	1721114	31.8	
\$ 6 Phenol-d5	99	4.016	4.022	-0.006	88	1978990	32.5	
* 14 1,4-Dichlorobenzene-d4	152	4.375	4.369	0.006	98	1469600	40.0	
\$ 26 Nitrobenzene-d5	82	4.922	4.934	-0.012	88	2120611	39.4	
31 Isophorone	82	5.181	5.198	-0.017	99	231167	2.96	
* 38 Naphthalene-d8	136	5.645	5.651	-0.006	99	5100516	40.0	
39 Naphthalene	128	5.669	5.675	-0.006	97	31653	0.2620	
44 2-Methylnaphthalene	142	6.363	6.369	-0.006	85	11266	0.1422	
\$ 51 2-Fluorobiphenyl	172	6.734	6.739	-0.005	98	3385779	40.1	
61 Acenaphthylene	152	7.257	7.263	-0.006	98	22864	0.2398	
* 65 Acenaphthene-d10	164	7.404	7.404	0.000	93	2248053	40.0	
67 Acenaphthene	154	7.434	7.439	-0.005	13	6286	0.0925	7
75 Fluorene	166	7.939	7.945	-0.006	94	7782	0.1166	
\$ 80 2,4,6-Tribromophenol	330	8.181	8.186	-0.005	93	291033	36.8	
* 88 Phenanthrene-d10	188	8.863	8.869	-0.006	99	2704987	40.0	
89 Phenanthrene	178	8.886	8.892	-0.006	97	166444	2.16	
90 Anthracene	178	8.933	8.945	-0.012	98	46383	0.5952	
91 Carbazole	167	9.098	9.104	-0.006	74	8732	0.1433	
92 Di-n-butyl phthalate	149	9.445	9.451	-0.006	99	120121	1.62	
93 Fluoranthene	202	10.057	10.063	-0.006	98	432316	6.89	
95 Pyrene	202	10.280	10.286	-0.006	97	387370	6.30	
\$ 96 Terphenyl-d14	244	10.445	10.445	0.000	99	1750431	41.2	
97 Butyl benzyl phthalate	149	10.963	10.969	-0.005	97	206988	8.85	
101 Benzo[a]anthracene	228	11.610	11.616	-0.006	98	192853	4.27	
* 102 Chrysene-d12	240	11.622	11.622	0.000	99	1440171	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.657	11.663	-0.006	90	79483	2.60	
103 Chrysene	228	11.651	11.663	-0.012	98	185945	4.65	
106 Benzo[b]fluoranthene	252	13.010	13.021	-0.011	98	237947	6.11	
107 Benzo[k]fluoranthene	252	13.045	13.057	-0.012	97	100521	2.44	
108 Benzo[a]pyrene	252	13.451	13.462	-0.011	98	162009	4.53	
* 109 Perylene-d12	264	13.539	13.533	0.006	99	1247739	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.039	15.045	-0.006	98	136267	4.52	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
111 Dibenz(a,h)anthracene	278	15.062	15.086	-0.024	30	31185	1.02	
112 Benzo[g,h,i]perylene	276	15.451	15.462	-0.011	98	146633	4.77	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160405-39444.b\\x12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Worklist Smp#: 12

Client ID: E4

Injection Vol: 1.0 ul

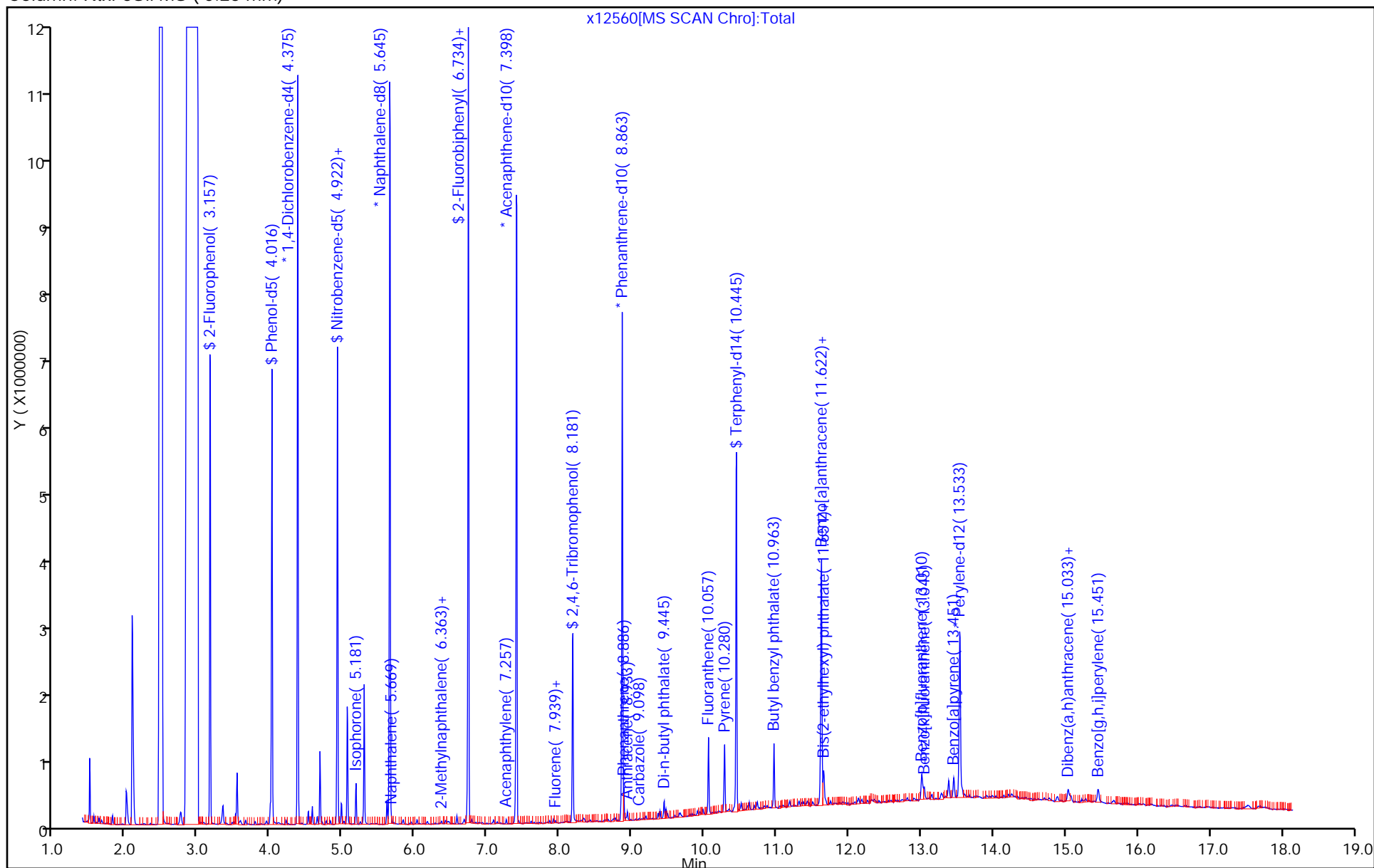
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

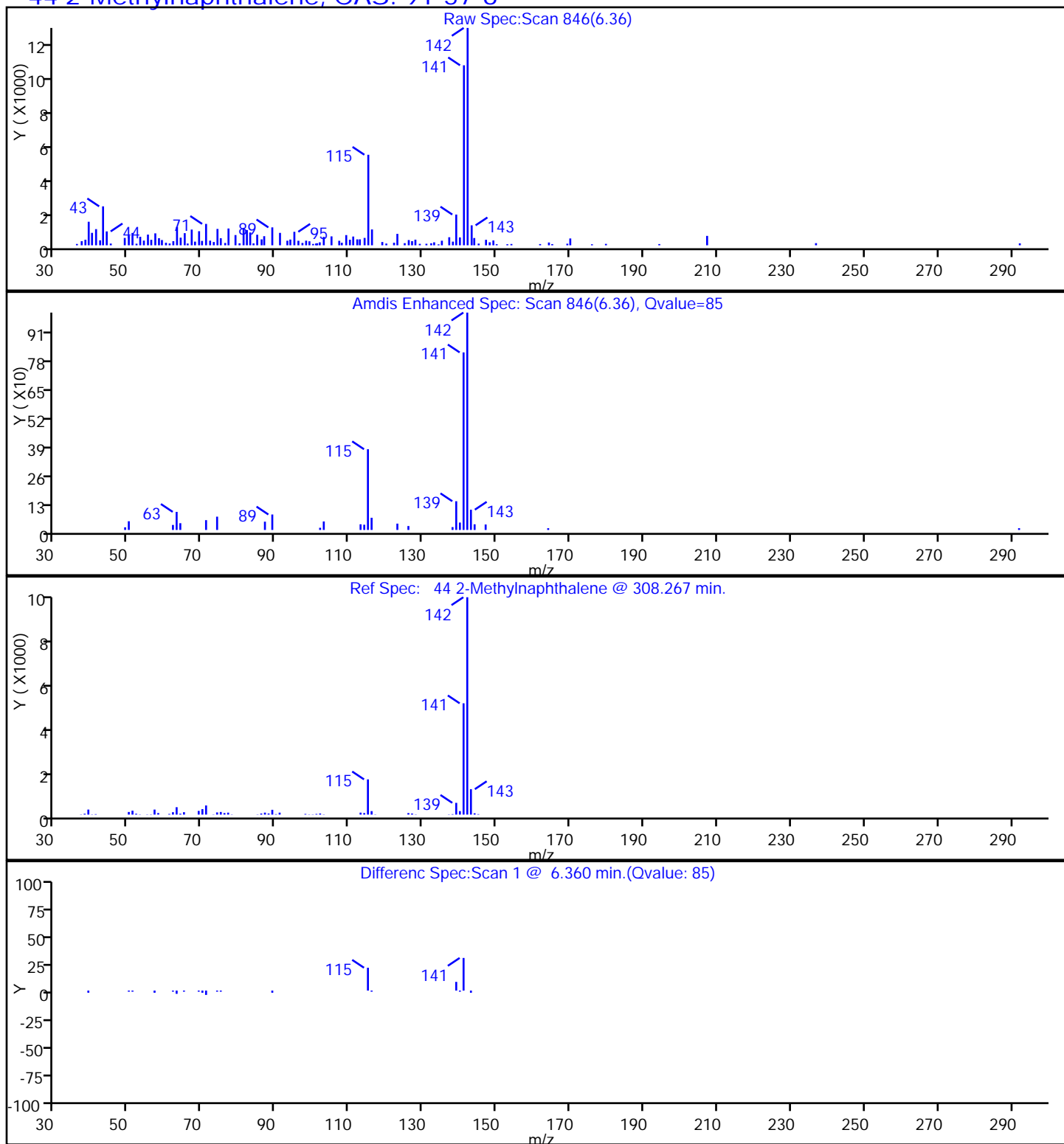
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

44 2-Methylnaphthalene, CAS: 91-57-6



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#: 12 Worklist Smp#: 12

Injection Vol: 1.0 ul

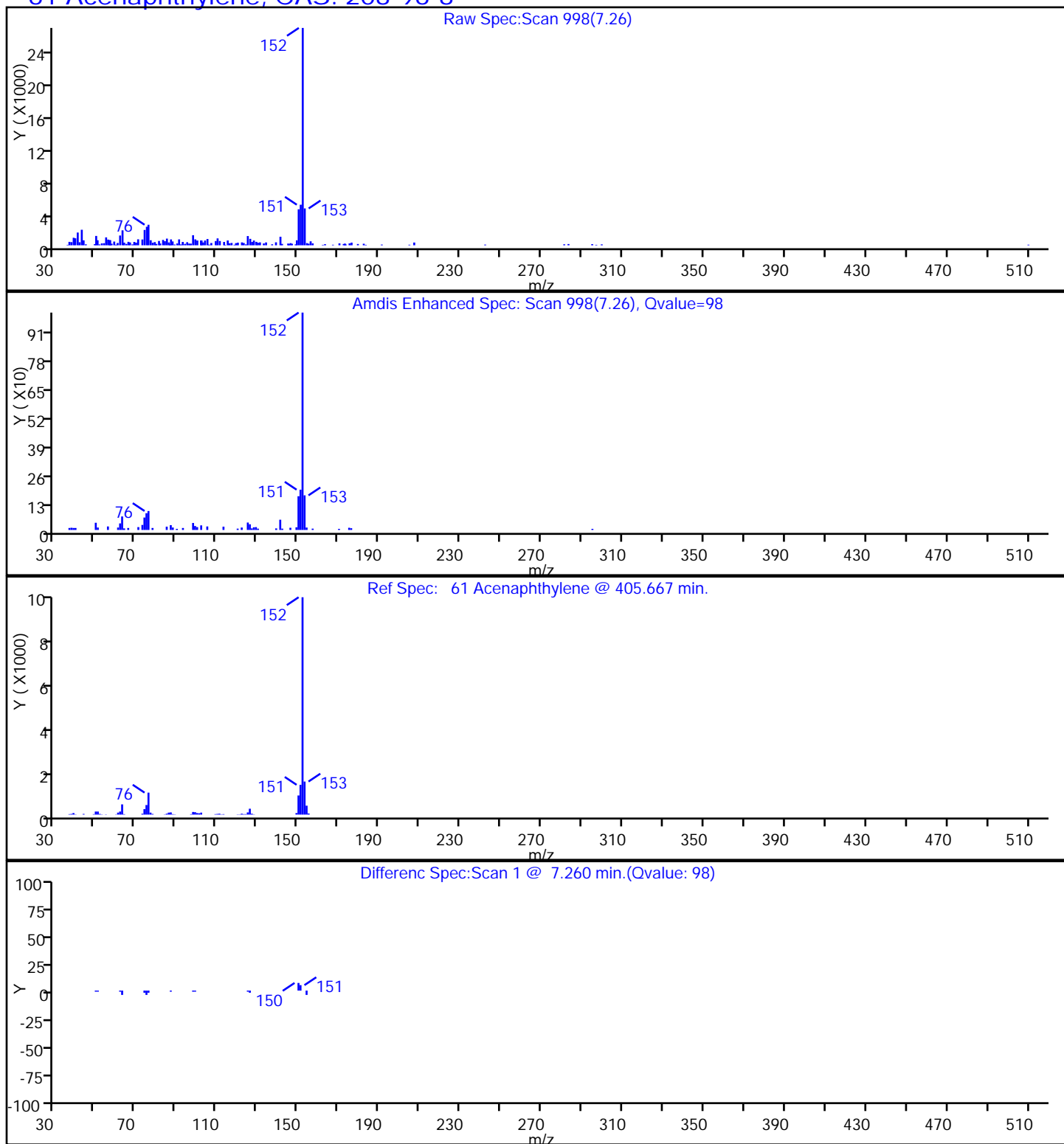
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

61 Acenaphthylene, CAS: 208-96-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

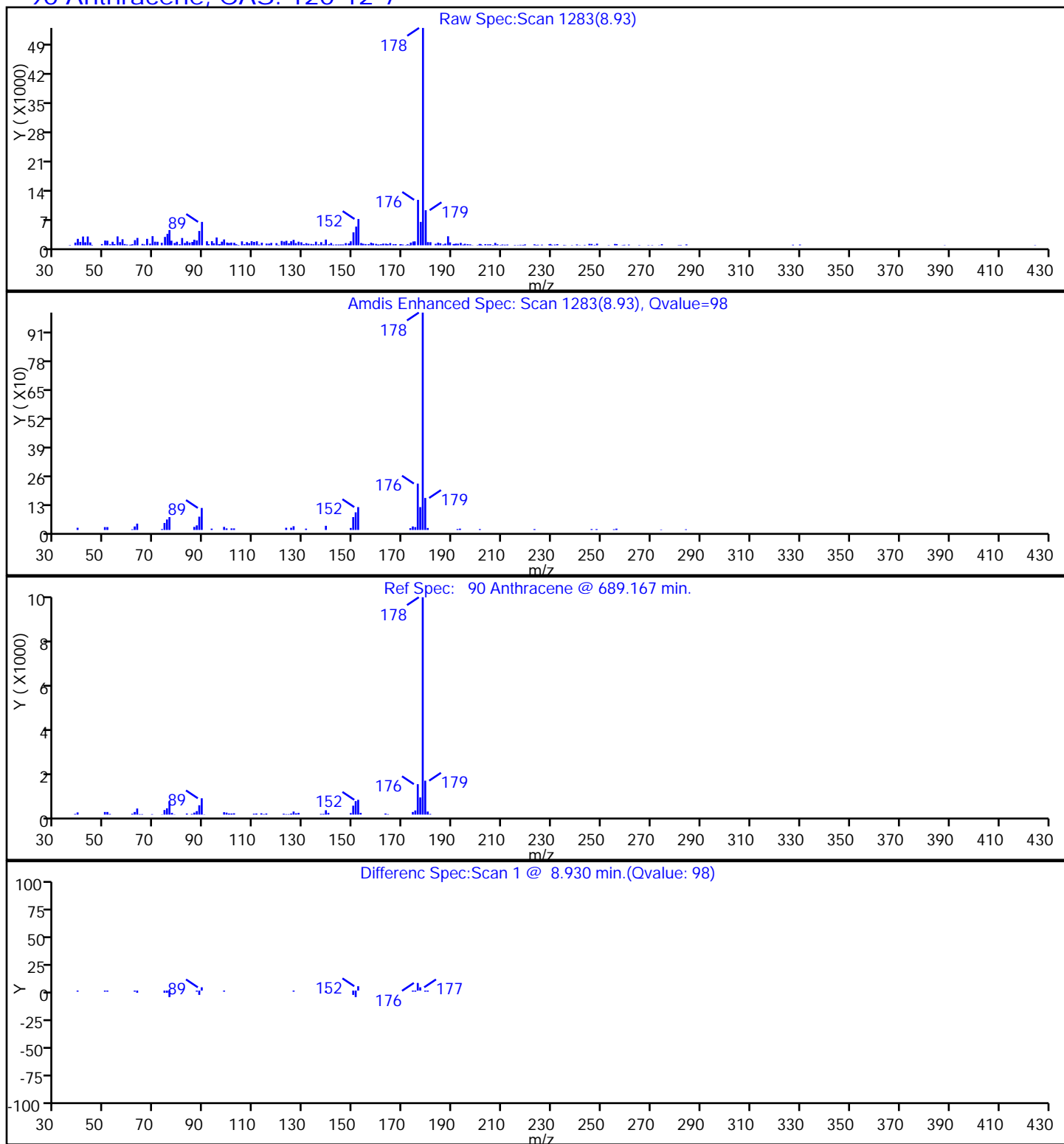
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

90 Anthracene, CAS: 120-12-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#:

12

Worklist Smp#:

12

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

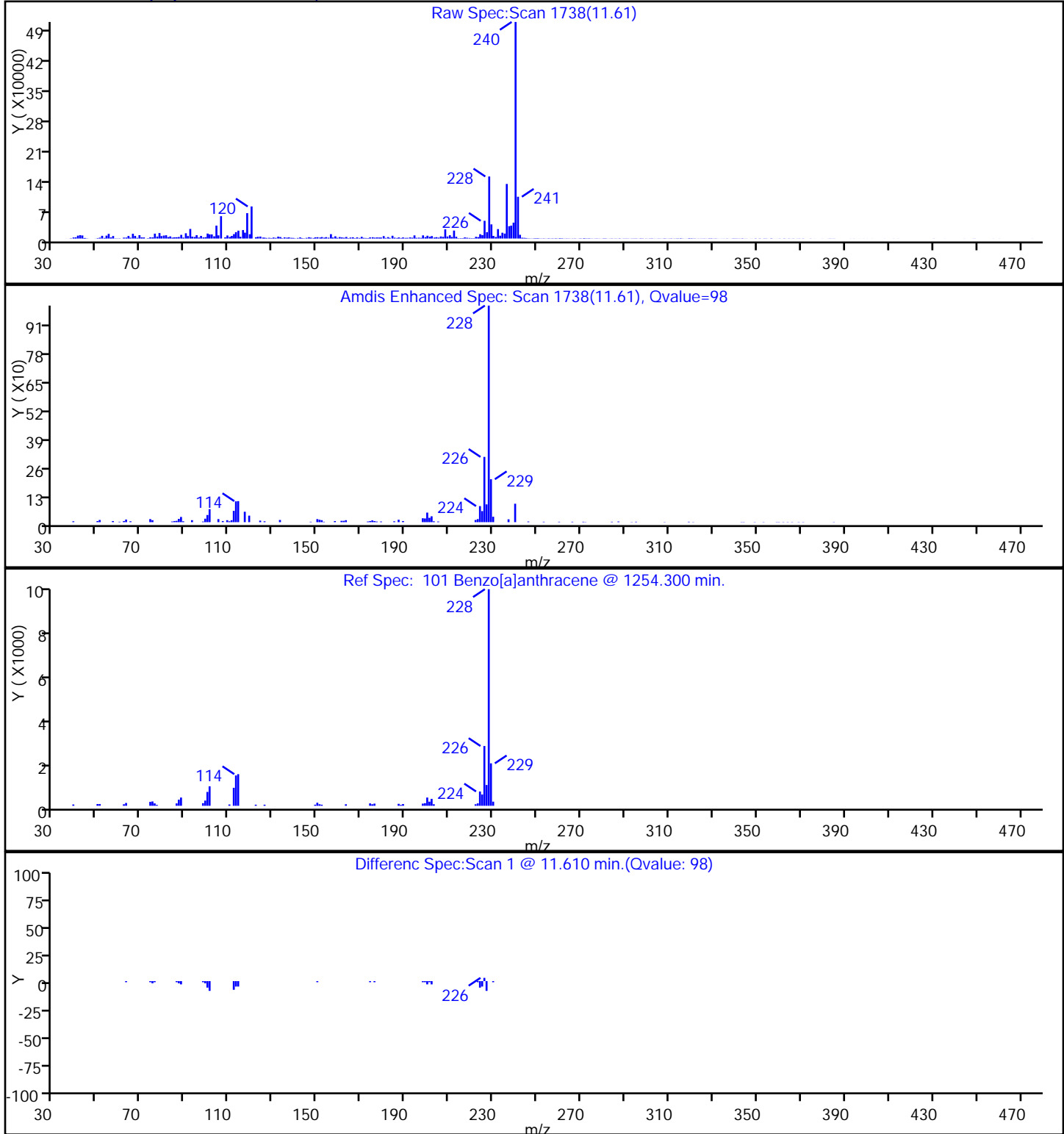
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#:

12

Worklist Smp#:

12

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

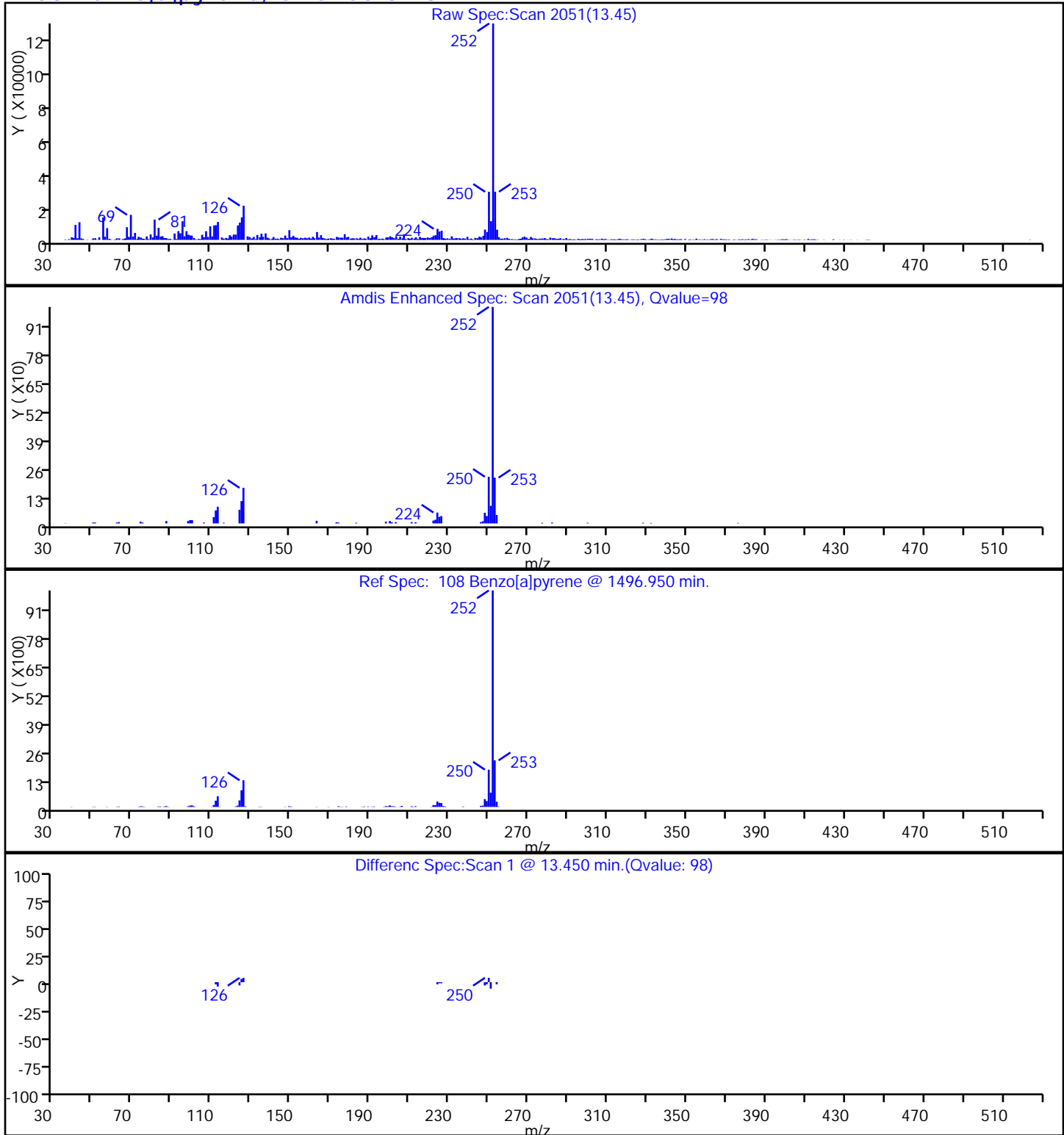
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#:

12

Worklist Smp#:

12

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

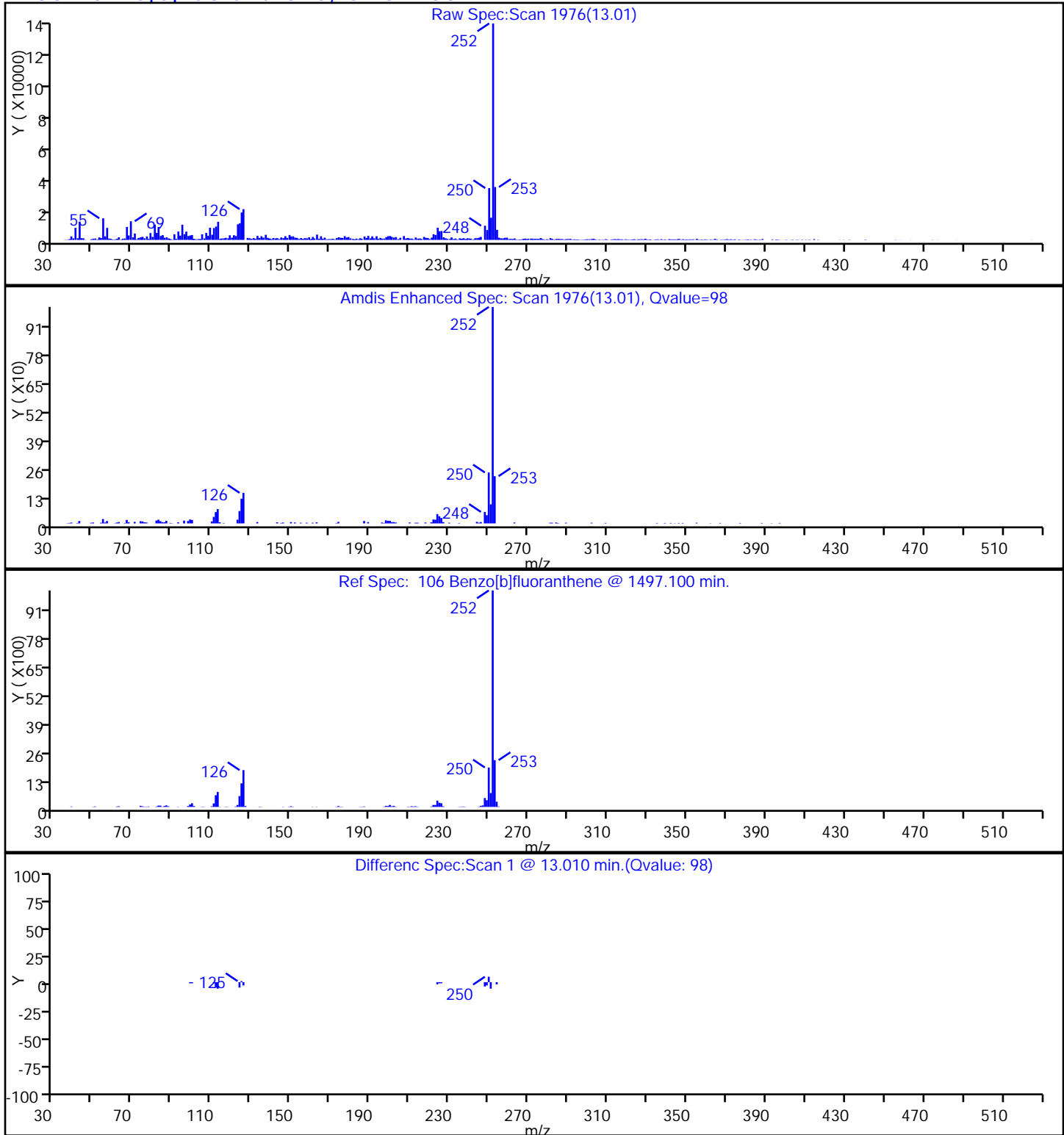
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

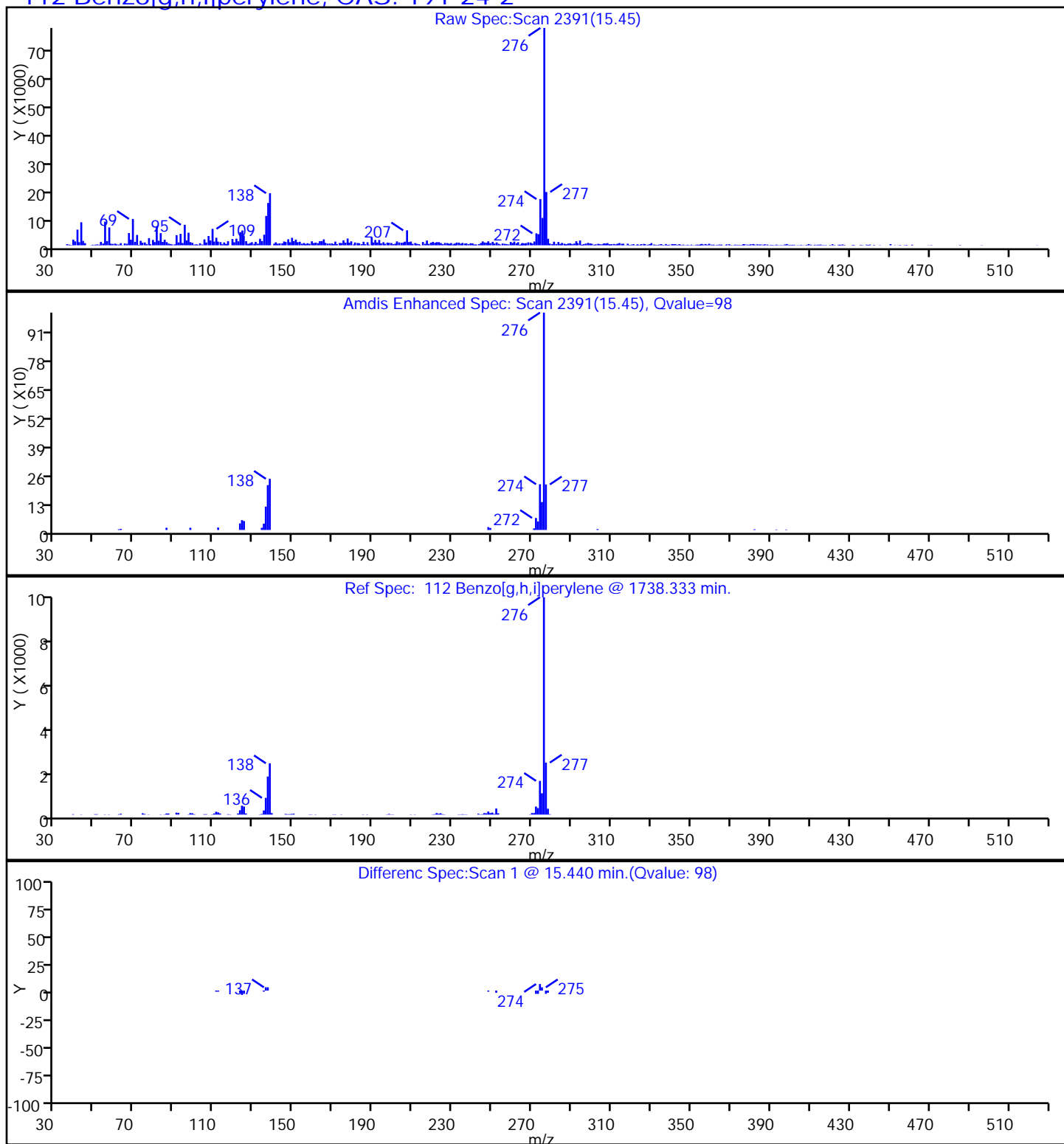
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#:

12

Worklist Smp#:

12

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

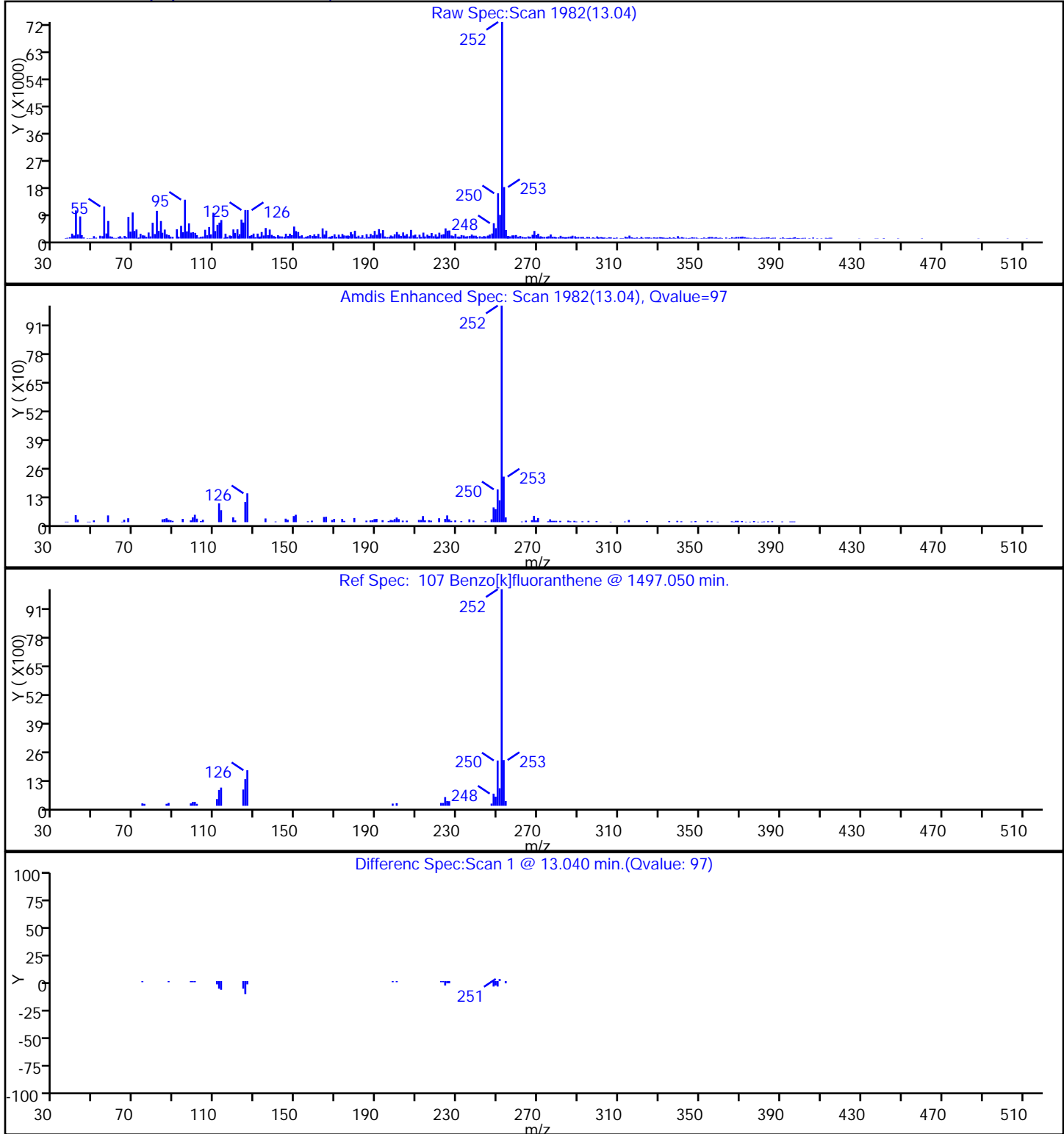
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

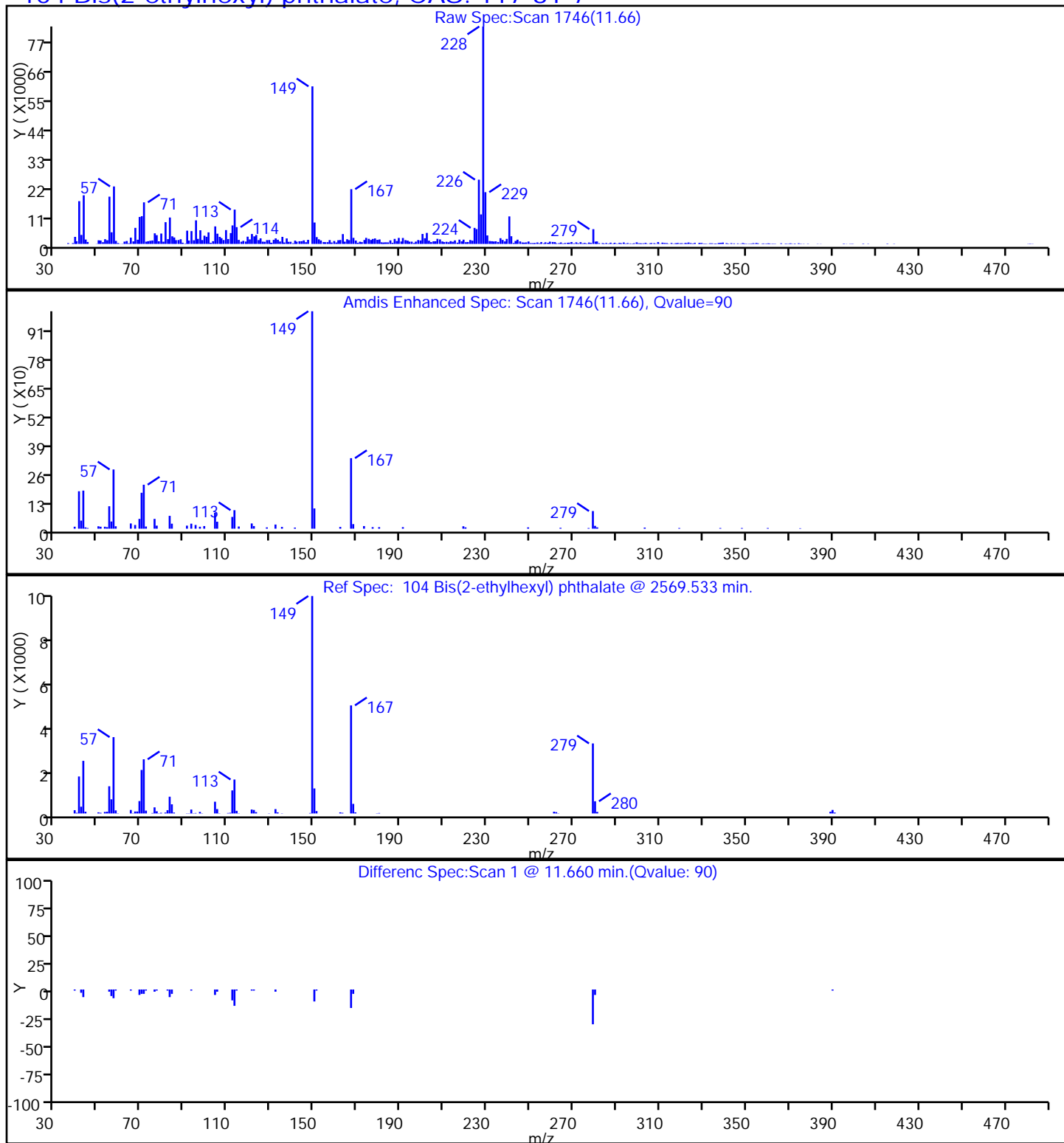
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

104 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

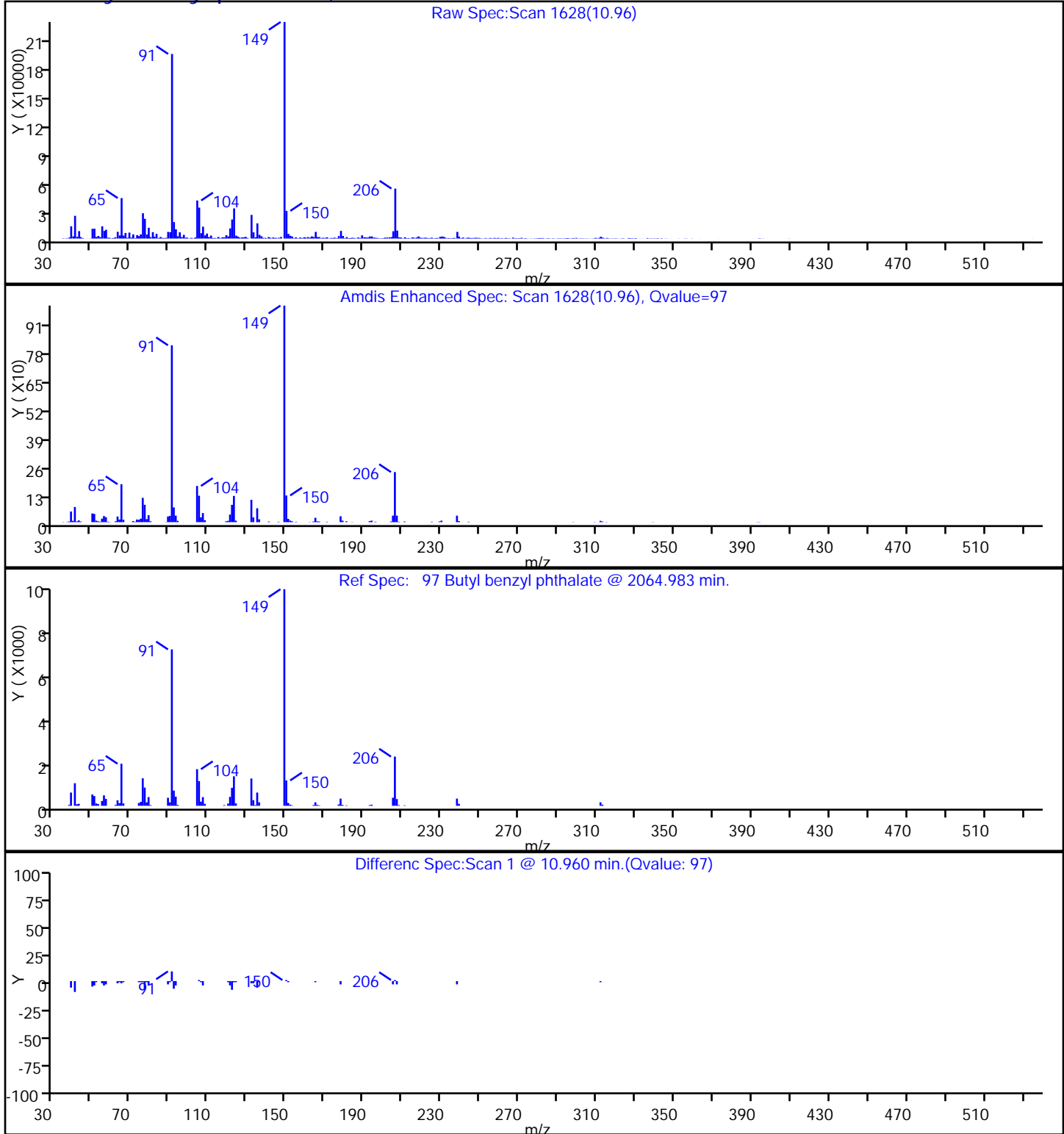
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

97 Butyl benzyl phthalate, CAS: 85-68-7

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#:

Worklist Smp#: 12

Injection Vol: 1.0 ul

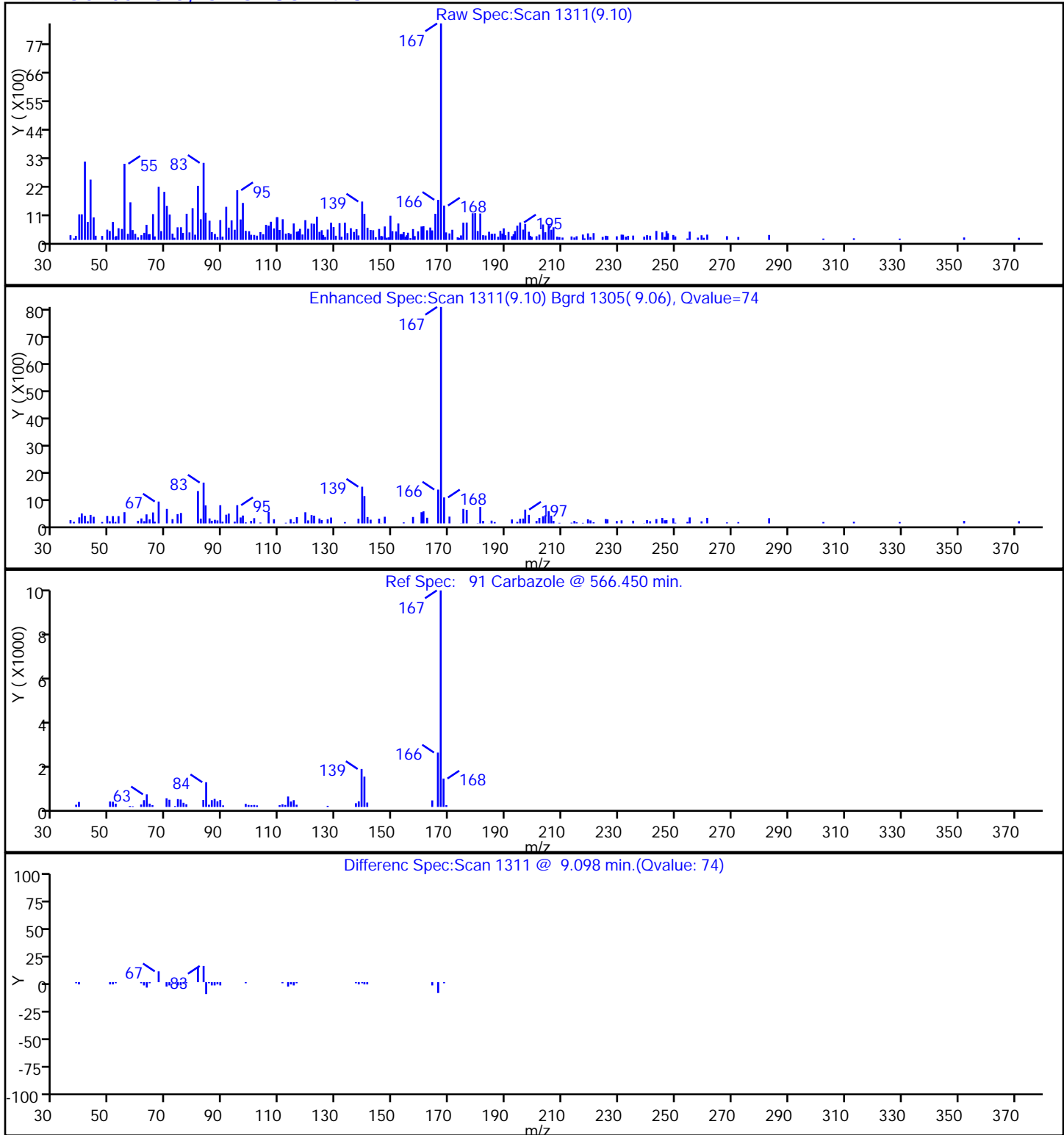
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

91 Carbazole, CAS: 86-74-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#:

12

Worklist Smp#:

12

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

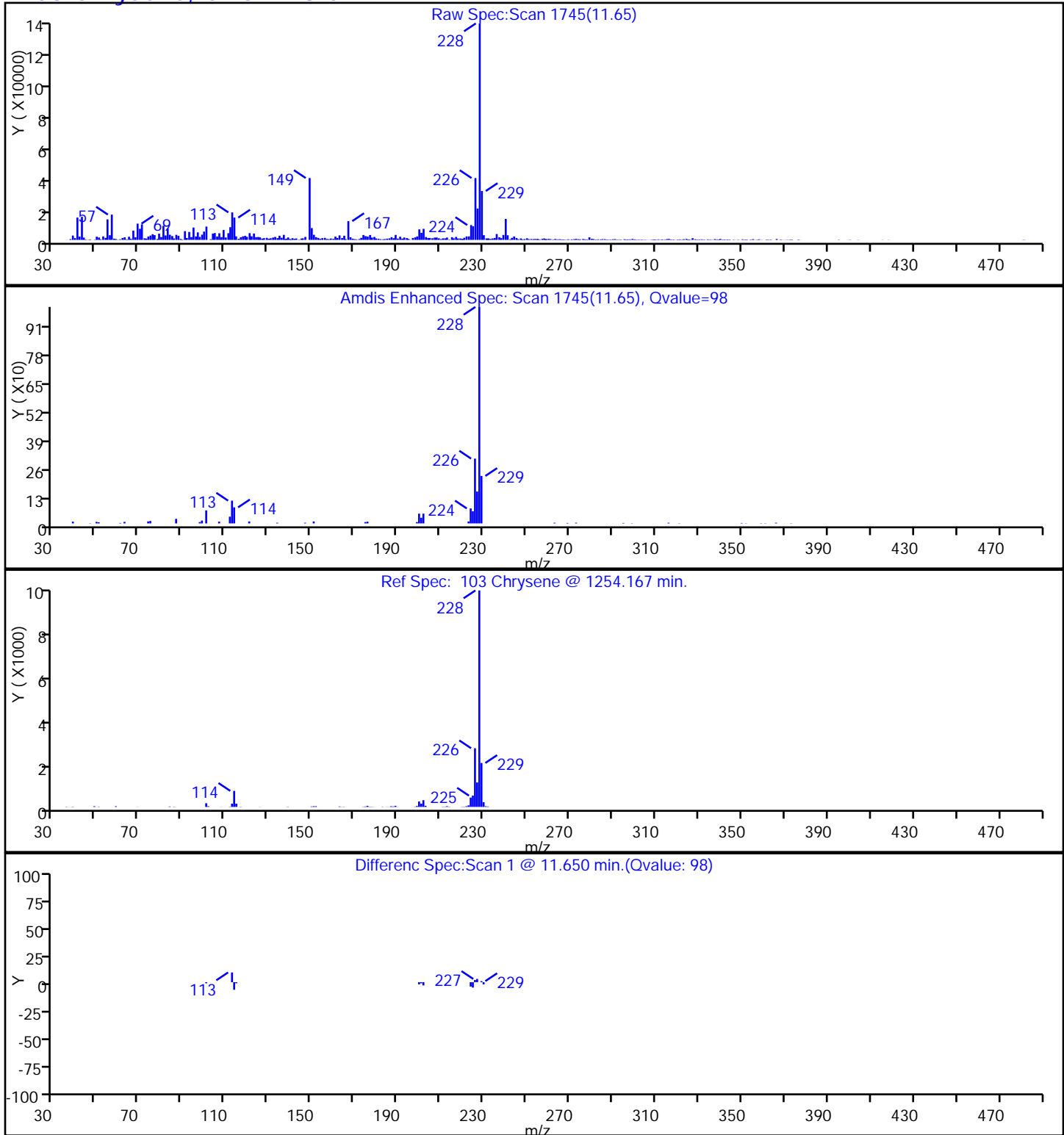
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#:

Worklist Smp#: 12

Injection Vol: 1.0 ul

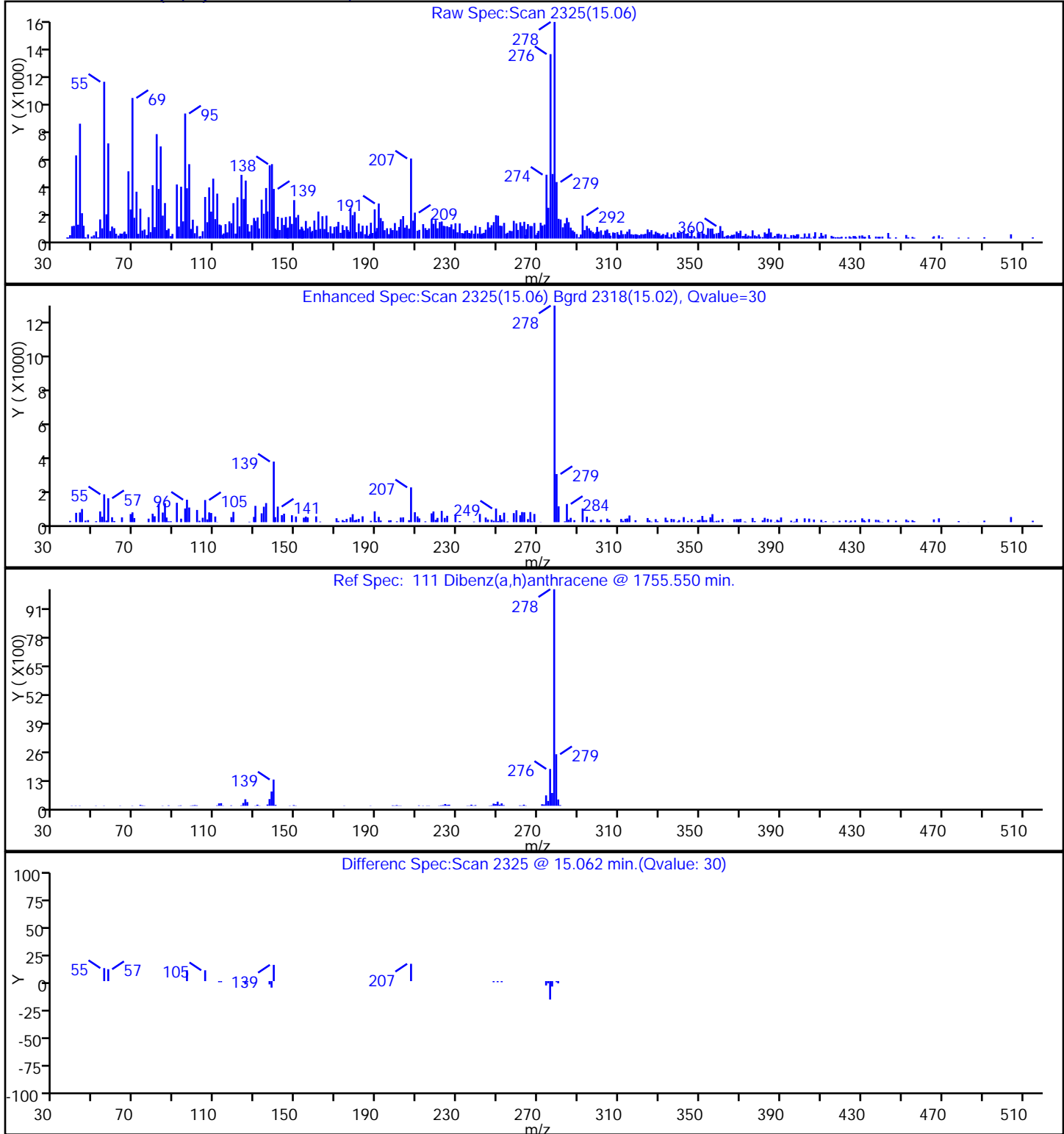
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

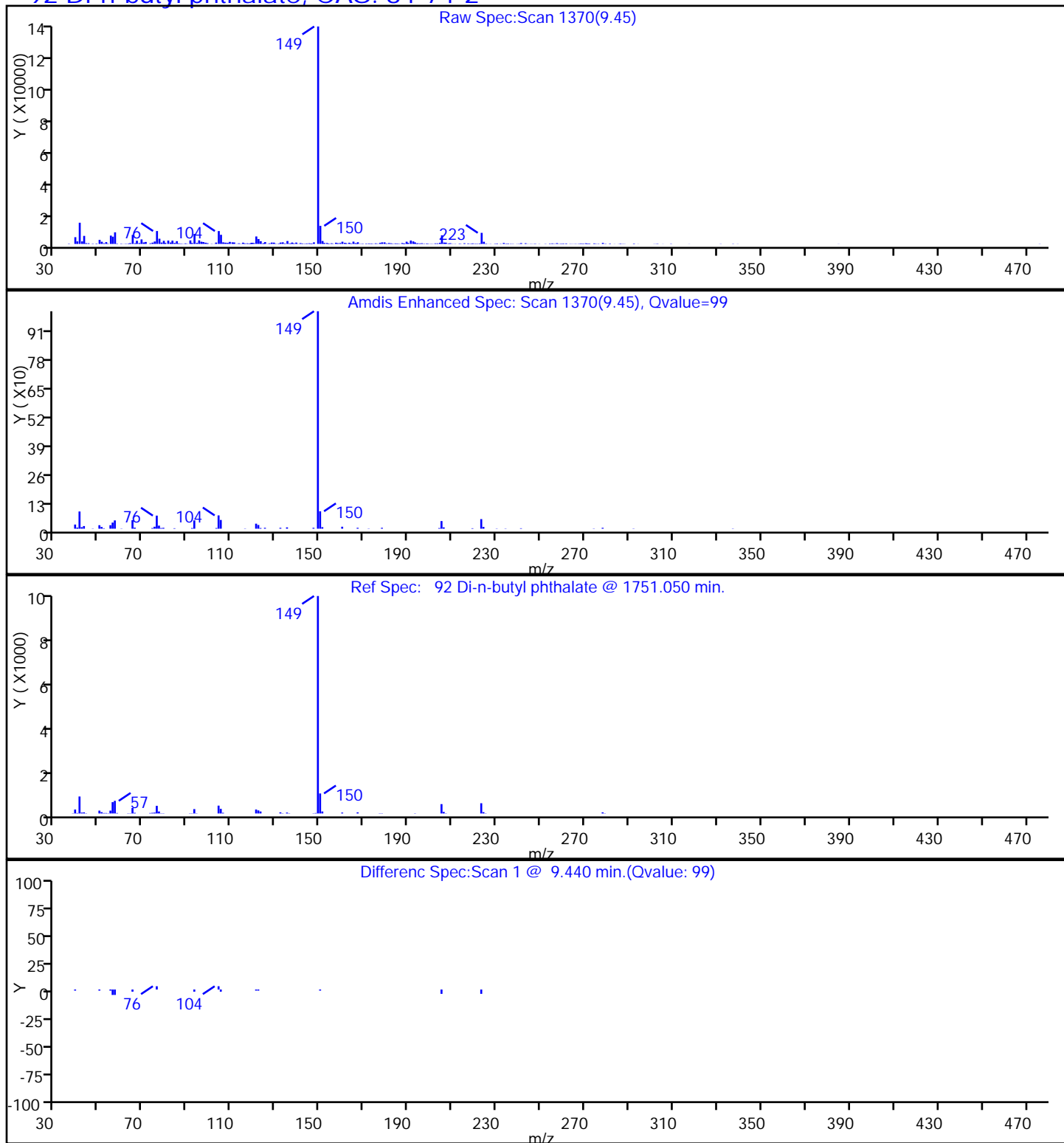
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Di-n-butyl phthalate, CAS: 84-74-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#: 12 Worklist Smp#: 12

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

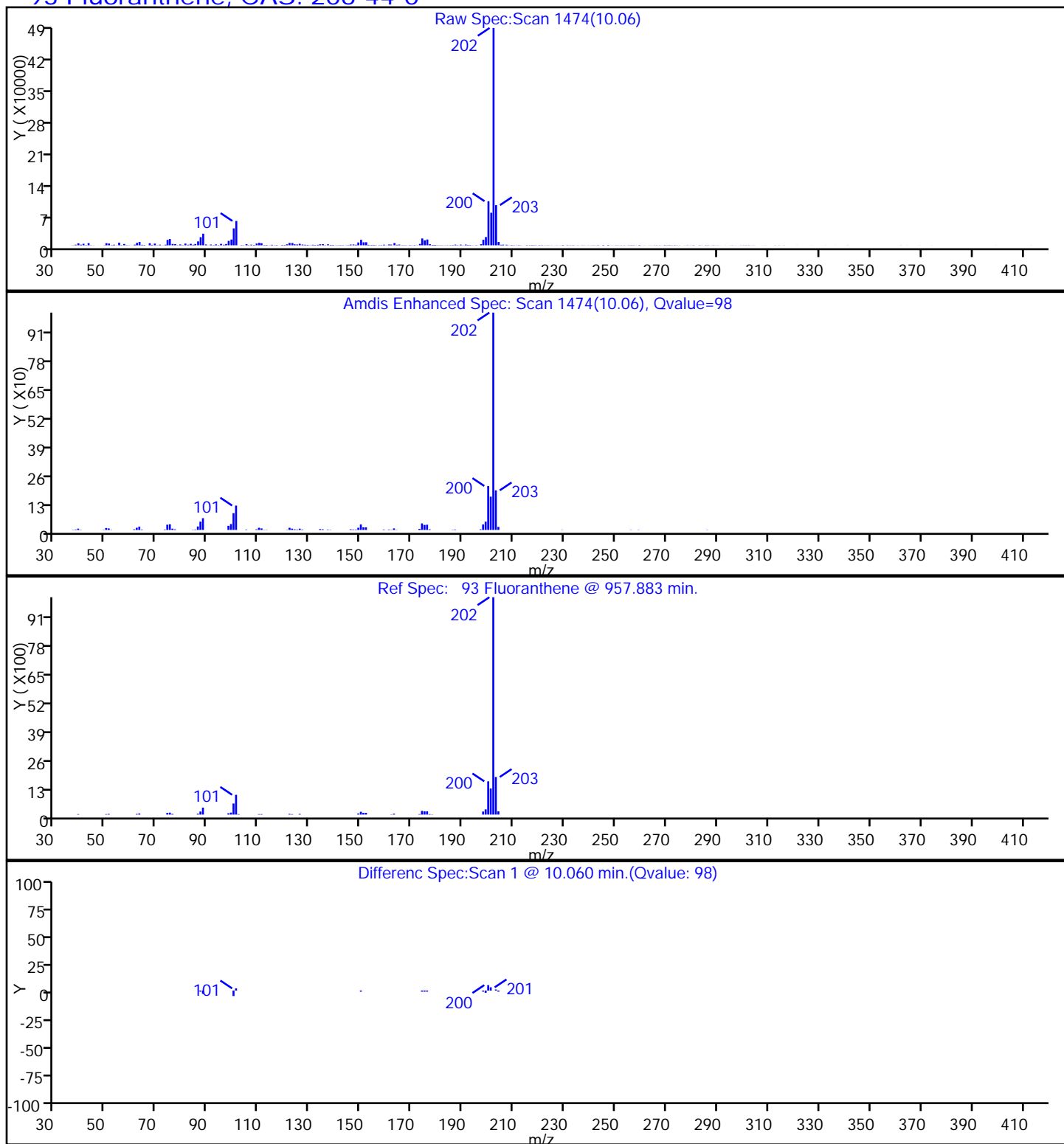
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

93 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#:

Worklist Smp#: 12

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

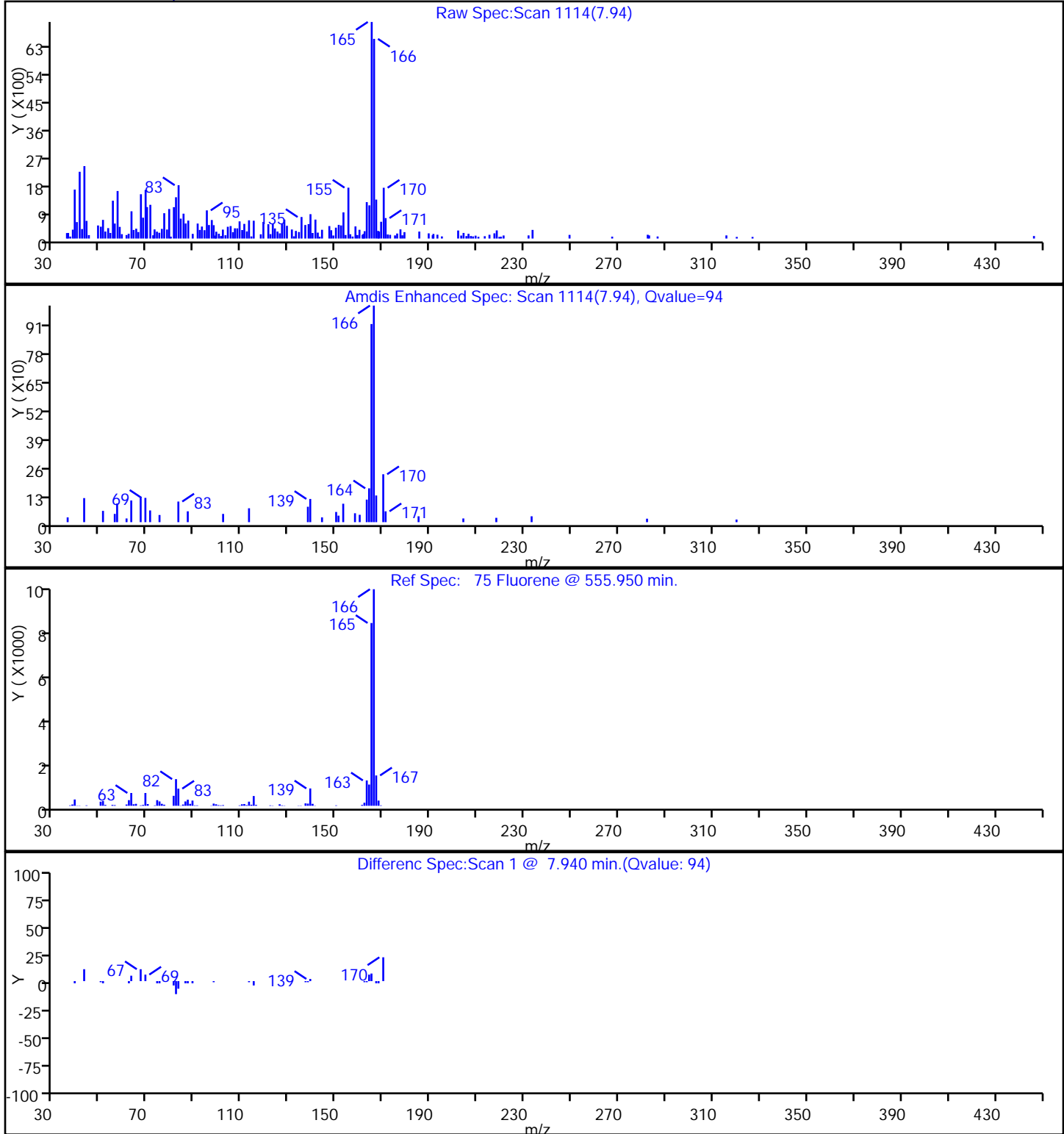
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

75 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

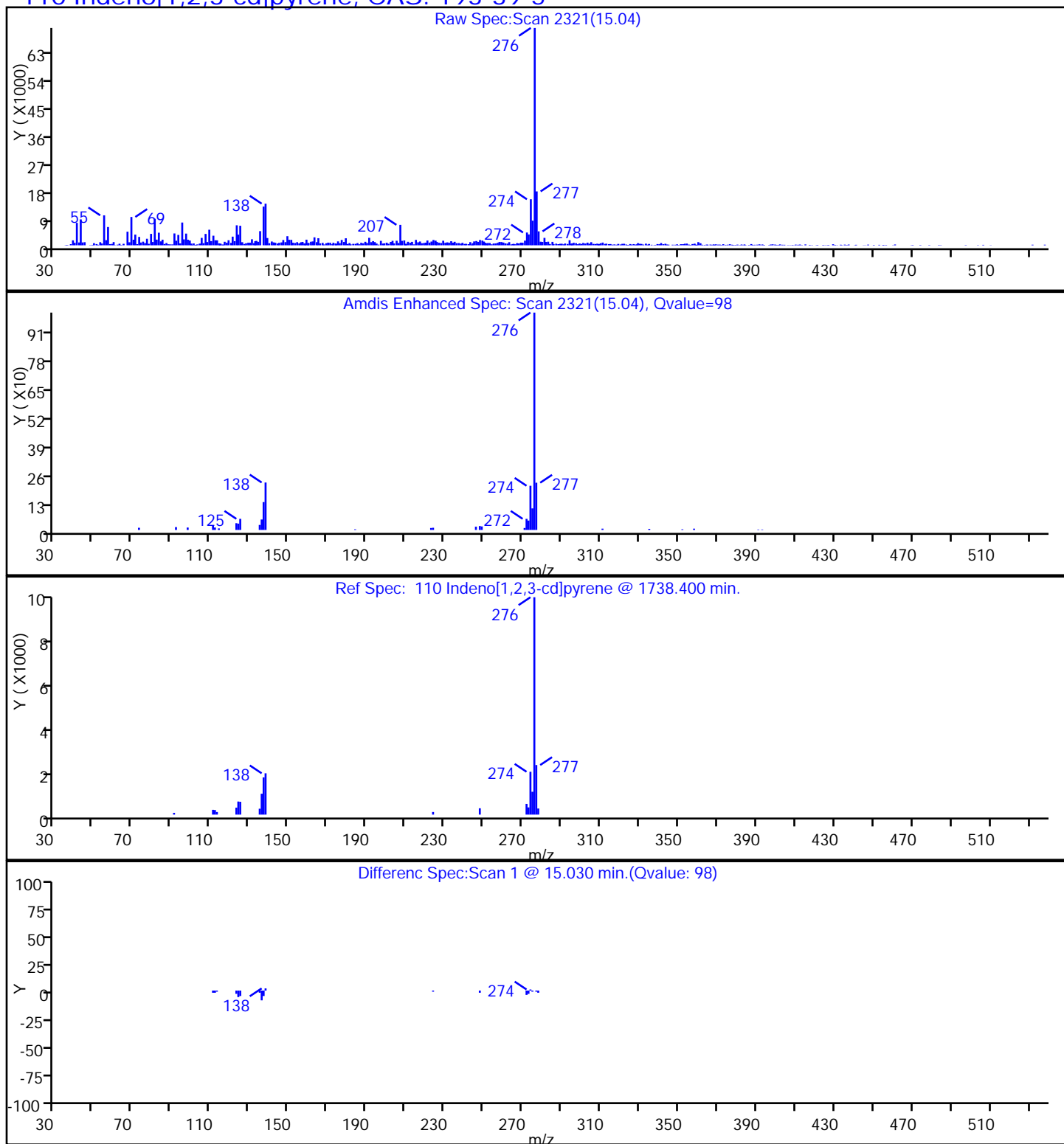
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#: 12 Worklist Smp#: 12

Injection Vol: 1.0 ul

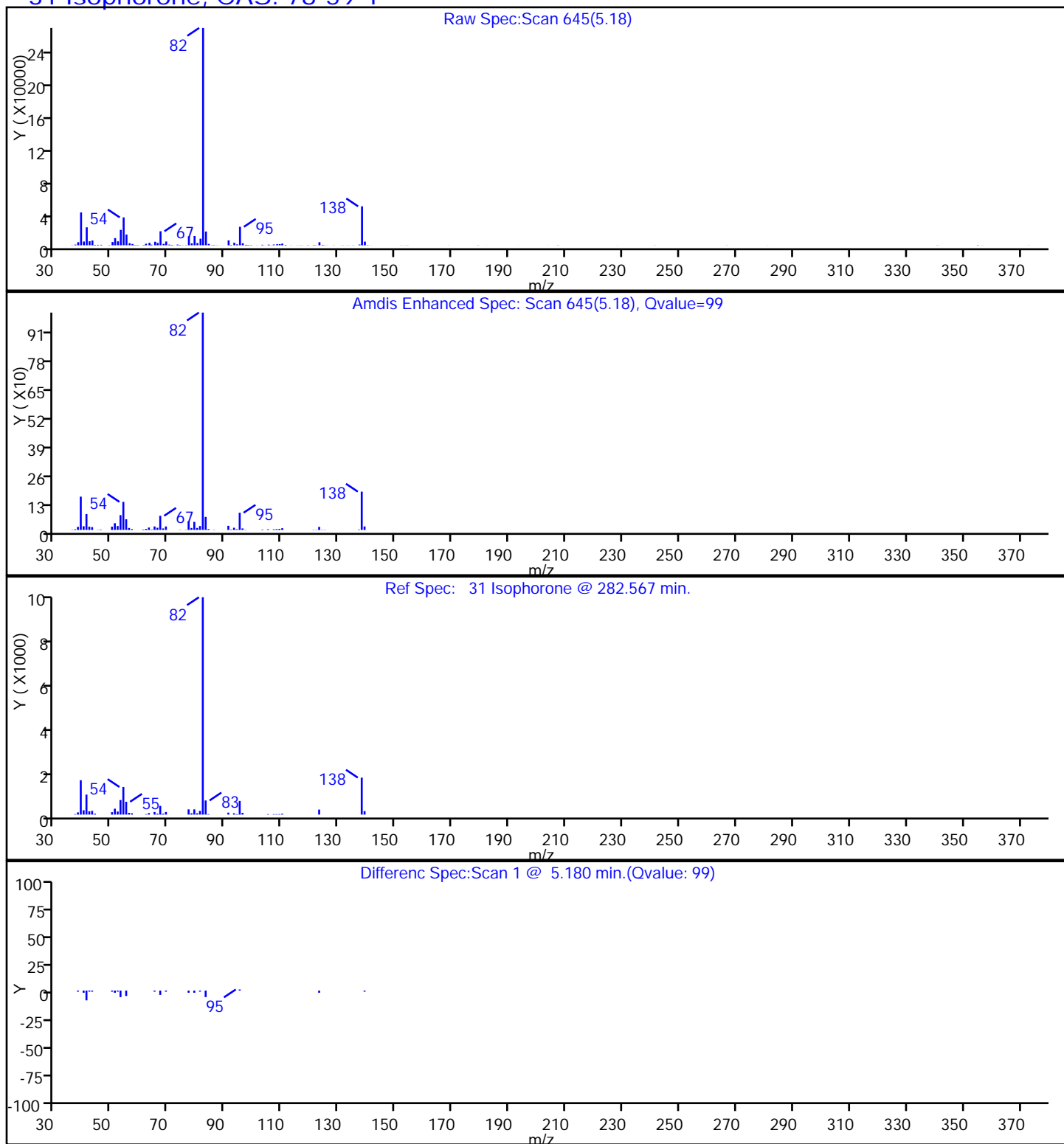
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

31 Isophorone, CAS: 78-59-1

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

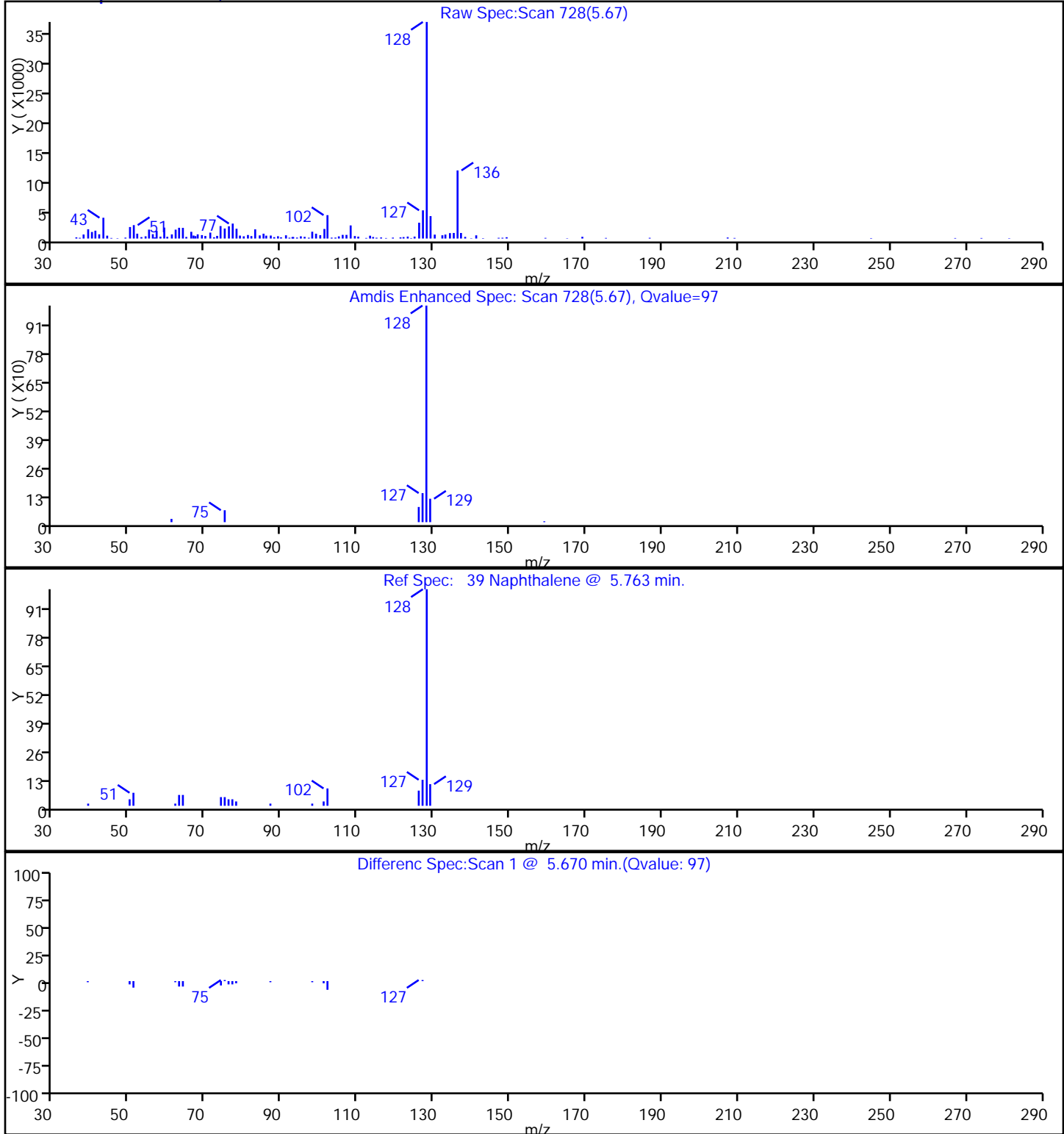
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

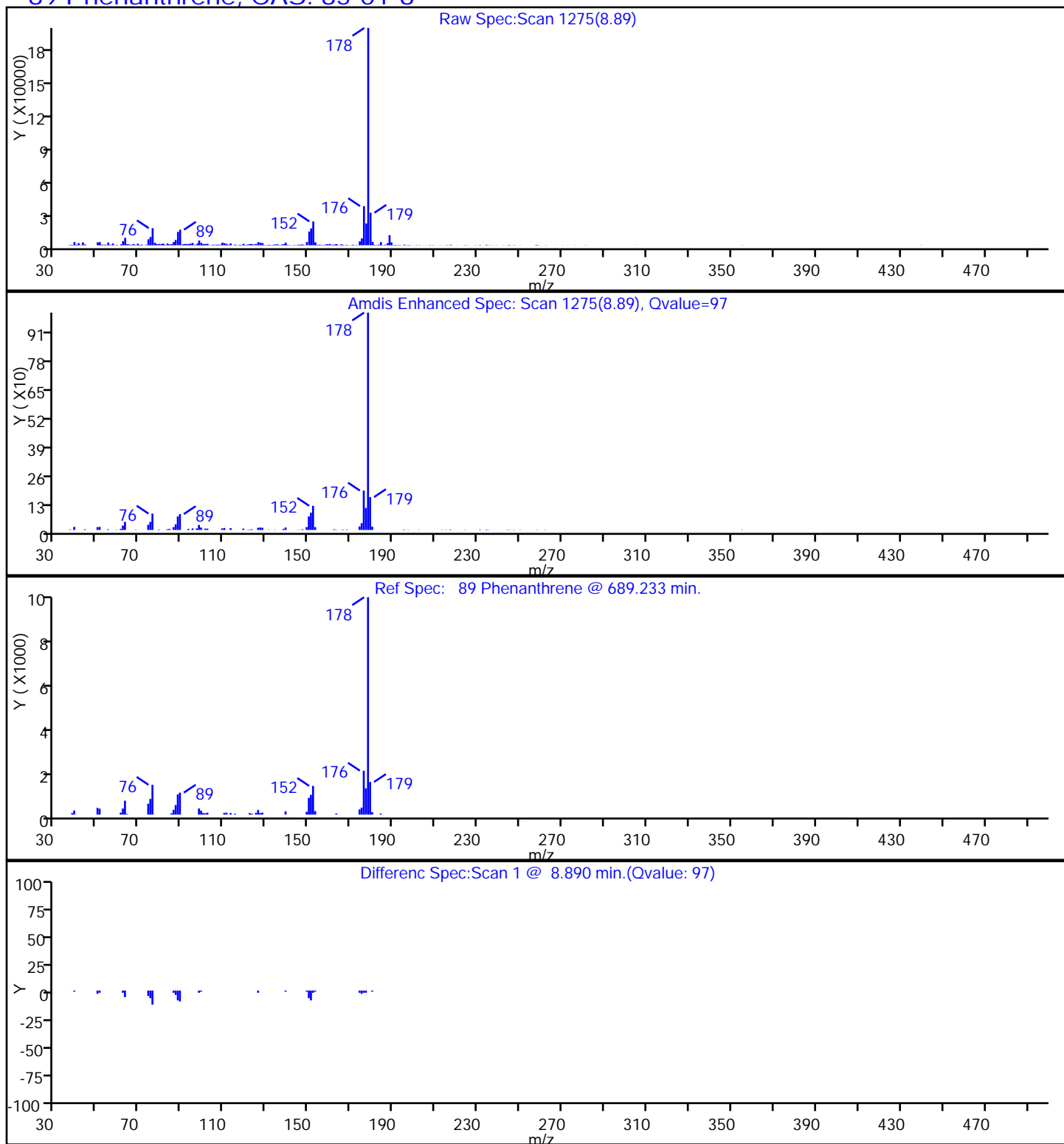
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12560.D

Injection Date: 05-Apr-2016 12:53:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-2-A

Lab Sample ID: 460-111539-2

Client ID: E4

Operator ID:

ALS Bottle#:

Worklist Smp#: 12

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

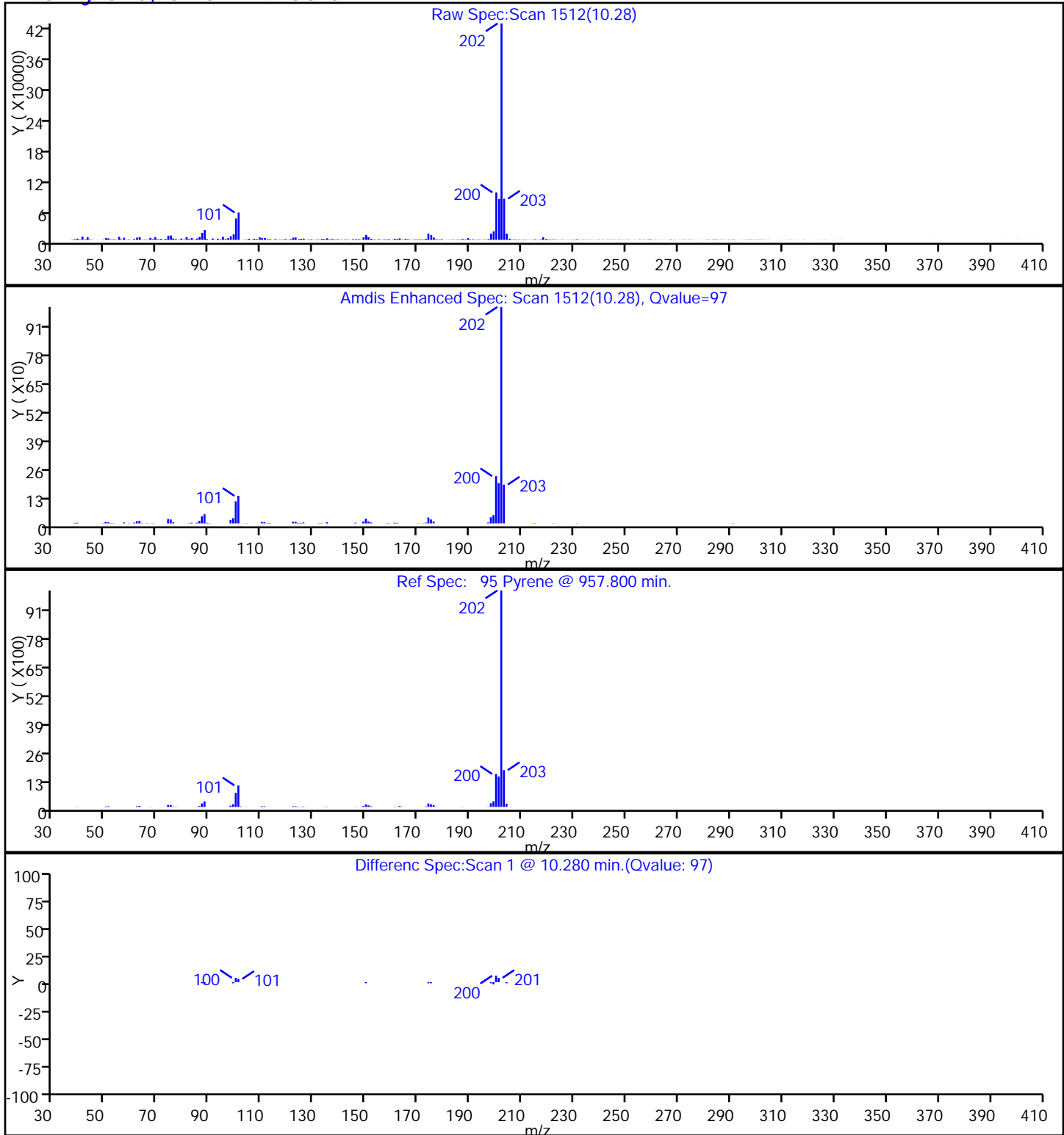
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

95 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111539-1</u>
SDG No.: _____	
Client Sample ID: <u>C5</u>	Lab Sample ID: <u>460-111539-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12558.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/04/2016 13:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0104(g)</u>	Date Analyzed: <u>04/05/2016 12:03</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>4.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	350	U	350	30
95-94-3	1,2,4,5-Tetrachlorobenzene	350	U	350	26
108-60-1	2,2'-oxybis[1-chloropropane]	350	U	350	14
58-90-2	2,3,4,6-Tetrachlorophenol	350	U	350	33
95-95-4	2,4,5-Trichlorophenol	350	U	350	35
88-06-2	2,4,6-Trichlorophenol	140	U	140	9.9
120-83-2	2,4-Dichlorophenol	140	U	140	8.2
105-67-9	2,4-Dimethylphenol	350	U	350	76
51-28-5	2,4-Dinitrophenol	280	U	280	260
121-14-2	2,4-Dinitrotoluene	70	U	70	14
606-20-2	2,6-Dinitrotoluene	70	U	70	18
91-58-7	2-Chloronaphthalene	350	U	350	7.9
95-57-8	2-Chlorophenol	350	U	350	8.8
91-57-6	2-Methylnaphthalene	350	U	350	7.7
95-48-7	2-Methylphenol	350	U	350	15
88-74-4	2-Nitroaniline	350	U	350	11
88-75-5	2-Nitrophenol	350	U	350	12
91-94-1	3,3'-Dichlorobenzidine	140	U	140	39
99-09-2	3-Nitroaniline	350	U	350	10
534-52-1	4,6-Dinitro-2-methylphenol	280	U	280	93
101-55-3	4-Bromophenyl phenyl ether	350	U	350	11
59-50-7	4-Chloro-3-methylphenol	350	U	350	15
106-47-8	4-Chloroaniline	350	U	350	8.9
7005-72-3	4-Chlorophenyl phenyl ether	350	U	350	10
106-44-5	4-Methylphenol	350	U	350	9.4
100-01-6	4-Nitroaniline	350	U	350	13
100-02-7	4-Nitrophenol	700	U	700	170
83-32-9	Acenaphthene	350	U	350	8.4
208-96-8	Acenaphthylene	350	U	350	8.9
98-86-2	Acetophenone	350	U	350	7.6
120-12-7	Anthracene	350	U	350	33
1912-24-9	Atrazine	140	U	140	15
100-52-7	Benzaldehyde	350	U	350	26
56-55-3	Benzo[a]anthracene	35	U	35	29

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111539-1</u>
SDG No.: _____	
Client Sample ID: <u>C5</u>	Lab Sample ID: <u>460-111539-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12558.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/04/2016 13:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0104(g)</u>	Date Analyzed: <u>04/05/2016 12:03</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>4.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	26	J	35	10
205-99-2	Benzo[b]fluoranthene	29	J	35	14
191-24-2	Benzo[g,h,i]perylene	21	J	350	20
207-08-9	Benzo[k]fluoranthene	16	J	35	15
111-91-1	Bis(2-chloroethoxy)methane	350	U	350	11
111-44-4	Bis(2-chloroethyl)ether	35	U	35	8.2
117-81-7	Bis(2-ethylhexyl) phthalate	350	U	350	14
85-68-7	Butyl benzyl phthalate	350	U	350	11
105-60-2	Caprolactam	350	U	350	25
86-74-8	Carbazole	350	U	350	8.6
218-01-9	Chrysene	22	J	350	9.4
53-70-3	Dibenz(a,h)anthracene	35	U	35	18
132-64-9	Dibenzofuran	350	U	350	10
84-66-2	Diethyl phthalate	350	U	350	9.9
131-11-3	Dimethyl phthalate	350	U	350	10
84-74-2	Di-n-butyl phthalate	350	U	350	10
117-84-0	Di-n-octyl phthalate	350	U	350	18
206-44-0	Fluoranthene	38	J	350	10
86-73-7	Fluorene	350	U	350	7.6
118-74-1	Hexachlorobenzene	35	U	35	14
87-68-3	Hexachlorobutadiene	70	U	70	9.8
77-47-4	Hexachlorocyclopentadiene	350	U	350	22
67-72-1	Hexachloroethane	35	U	35	13
193-39-5	Indeno[1,2,3-cd]pyrene	35	U	35	23
78-59-1	Isophorone	42	J	140	7.5
91-20-3	Naphthalene	350	U	350	8.8
98-95-3	Nitrobenzene	35	U	35	11
621-64-7	N-Nitrosodi-n-propylamine	35	U	35	12
86-30-6	N-Nitrosodiphenylamine	350	U	350	31
87-86-5	Pentachlorophenol	280	U	280	42
85-01-8	Phenanthrene	18	J	350	9.2
108-95-2	Phenol	350	U	350	11
129-00-0	Pyrene	39	J	350	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111539-1</u>
SDG No.: _____	
Client Sample ID: <u>C5</u>	Lab Sample ID: <u>460-111539-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12558.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/04/2016 13:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0104(g)</u>	Date Analyzed: <u>04/05/2016 12:03</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>4.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	81		10-95
321-60-8	2-Fluorobiphenyl	82		27-84
367-12-4	2-Fluorophenol (Surr)	67		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	76		28-92
4165-62-2	Phenol-d5 (Surr)	70		22-88
1718-51-0	Terphenyl-d14 (Surr)	100		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12558.D
 Lims ID: 460-111539-A-3-C Lab Sample ID: 460-111539-3
 Client ID: C5
 Sample Type: Client
 Inject. Date: 05-Apr-2016 12:03:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039444-010
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 05-Apr-2016 14:52:02 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: croccom

Date: 05-Apr-2016 13:11:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.222	3.087	0.135	95	2033607	33.4	
\$ 6 Phenol-d5	99	4.034	4.022	0.012	88	2409493	35.2	
10 Benzonitrile	103	4.134	4.134	0.000	1	864	NC	
* 14 1,4-Dichlorobenzene-d4	152	4.381	4.369	0.012	98	1653581	40.0	
20 N-Methylaniline	106	4.834	4.804	0.030	1	167	NC	
\$ 26 Nitrobenzene-d5	82	4.928	4.934	-0.006	88	2502942	38.1	
29 2-Toluidine	107	4.963	4.968	-0.005	1	432	NC	
31 Isophorone	82	5.186	5.198	-0.012	99	57446	0.6026	
* 38 Naphthalene-d8	136	5.651	5.651	0.000	99	6220372	40.0	
\$ 51 2-Fluorobiphenyl	172	6.733	6.739	-0.006	98	4416577	41.0	
* 65 Acenaphthene-d10	164	7.404	7.404	0.000	92	2865217	40.0	
\$ 80 2,4,6-Tribromophenol	330	8.180	8.186	-0.006	94	409786	40.7	
63 2-Naphthylamine	143	8.422	8.385	0.037	44	376	NC	
62 1-Naphthylamine	143	8.304	8.385	-0.081	1	872	NC	
* 88 Phenanthrene-d10	188	8.863	8.869	-0.006	99	3808572	40.0	
89 Phenanthrene	178	8.886	8.892	-0.006	96	27580	0.2538	
93 Fluoranthene	202	10.057	10.063	-0.006	98	47333	0.5361	
95 Pyrene	202	10.280	10.286	-0.006	98	41755	0.5589	
\$ 96 Terphenyl-d14	244	10.445	10.445	0.000	99	2572464	49.8	
* 102 Chrysene-d12	240	11.621	11.622	-0.001	99	1749504	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.657	11.663	-0.006	1	3883	0.1047	
103 Chrysene	228	11.651	11.663	-0.012	78	15376	0.3167	
106 Benzo[b]fluoranthene	252	13.015	13.021	-0.006	97	16553	0.4199	
107 Benzo[k]fluoranthene	252	13.045	13.057	-0.012	19	9404	0.2256	M
108 Benzo[a]pyrene	252	13.457	13.462	-0.005	95	13351	0.3691	
* 109 Perylene-d12	264	13.533	13.533	0.000	98	1262959	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.033	15.045	-0.012	92	8496	0.2782	
112 Benzo[g,h,i]perylene	276	15.451	15.462	-0.011	74	9429	0.3032	M

[QC Flag Legend](#)

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

[Reagents:](#)

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160405-39444.b\\x12558.D

Injection Date: 05-Apr-2016 12:03:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: 460-111539-A-3-C

Lab Sample ID: 460-111539-3

Worklist Smp#: 10

Client ID: C5

Injection Vol: 1.0 ul

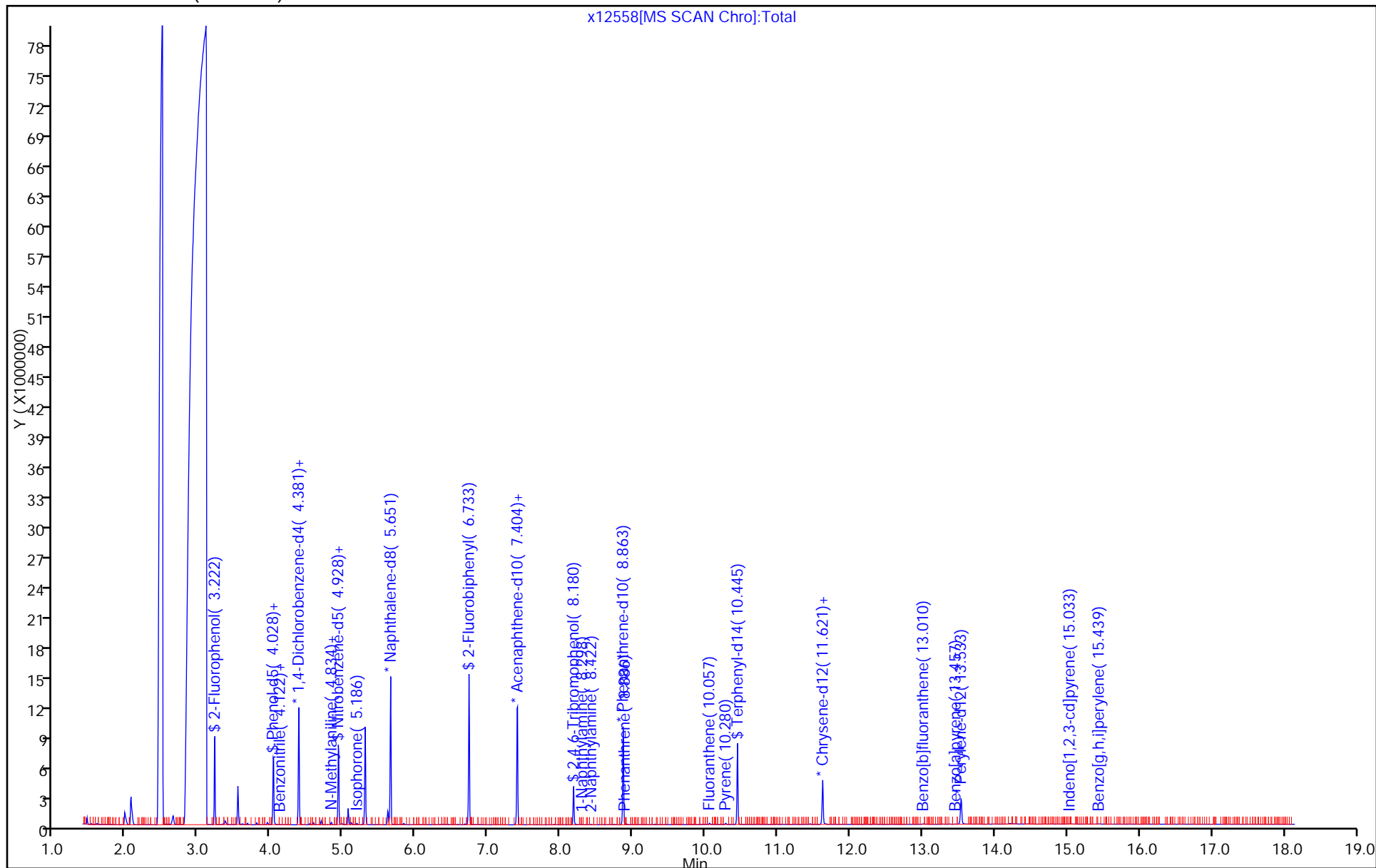
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12558.D

Injection Date: 05-Apr-2016 12:03:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-3-C

Lab Sample ID: 460-111539-3

Client ID: C5

Operator ID:

ALS Bottle#:

Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

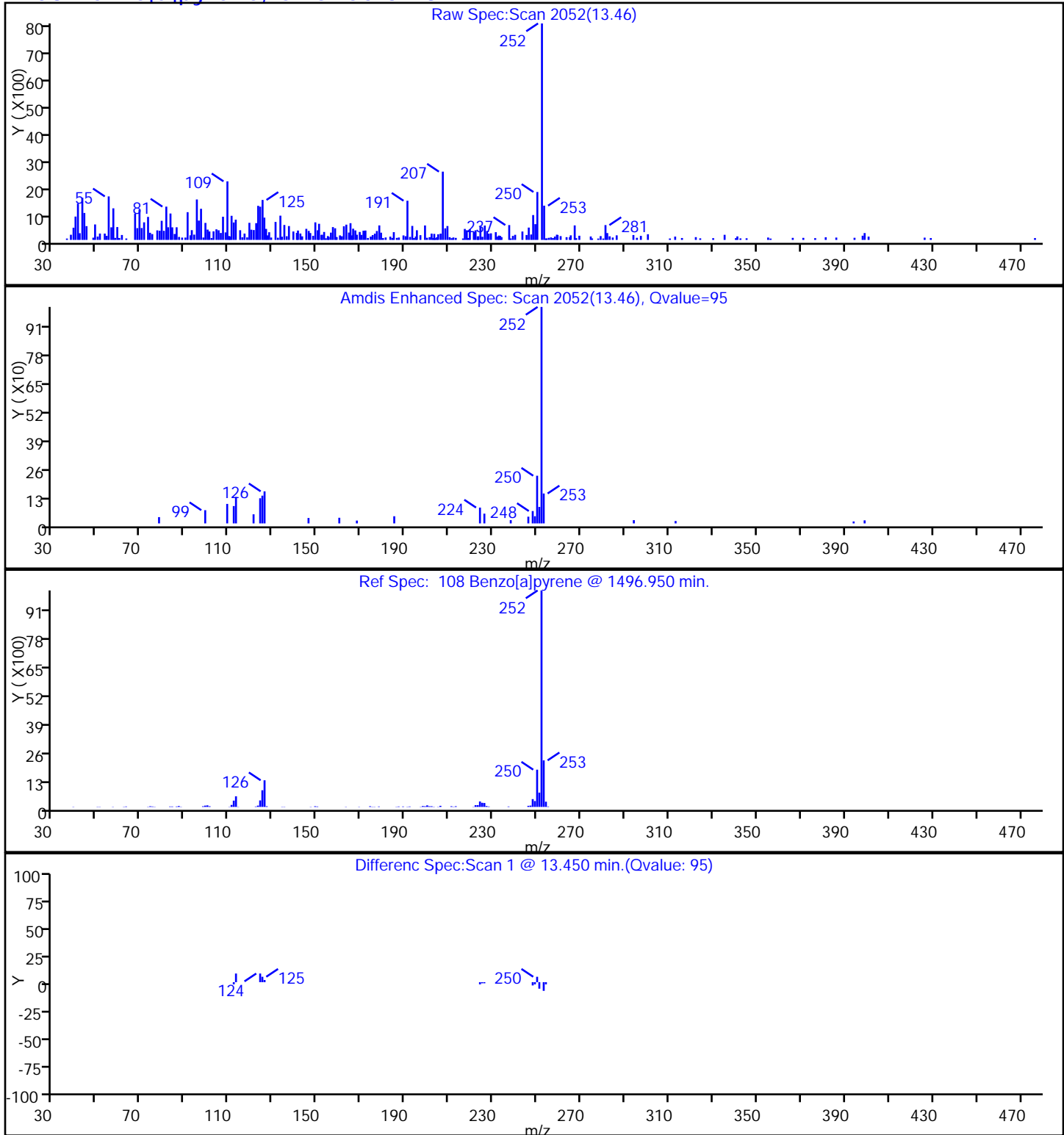
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12558.D

Injection Date: 05-Apr-2016 12:03:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-3-C

Lab Sample ID: 460-111539-3

Client ID: C5

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

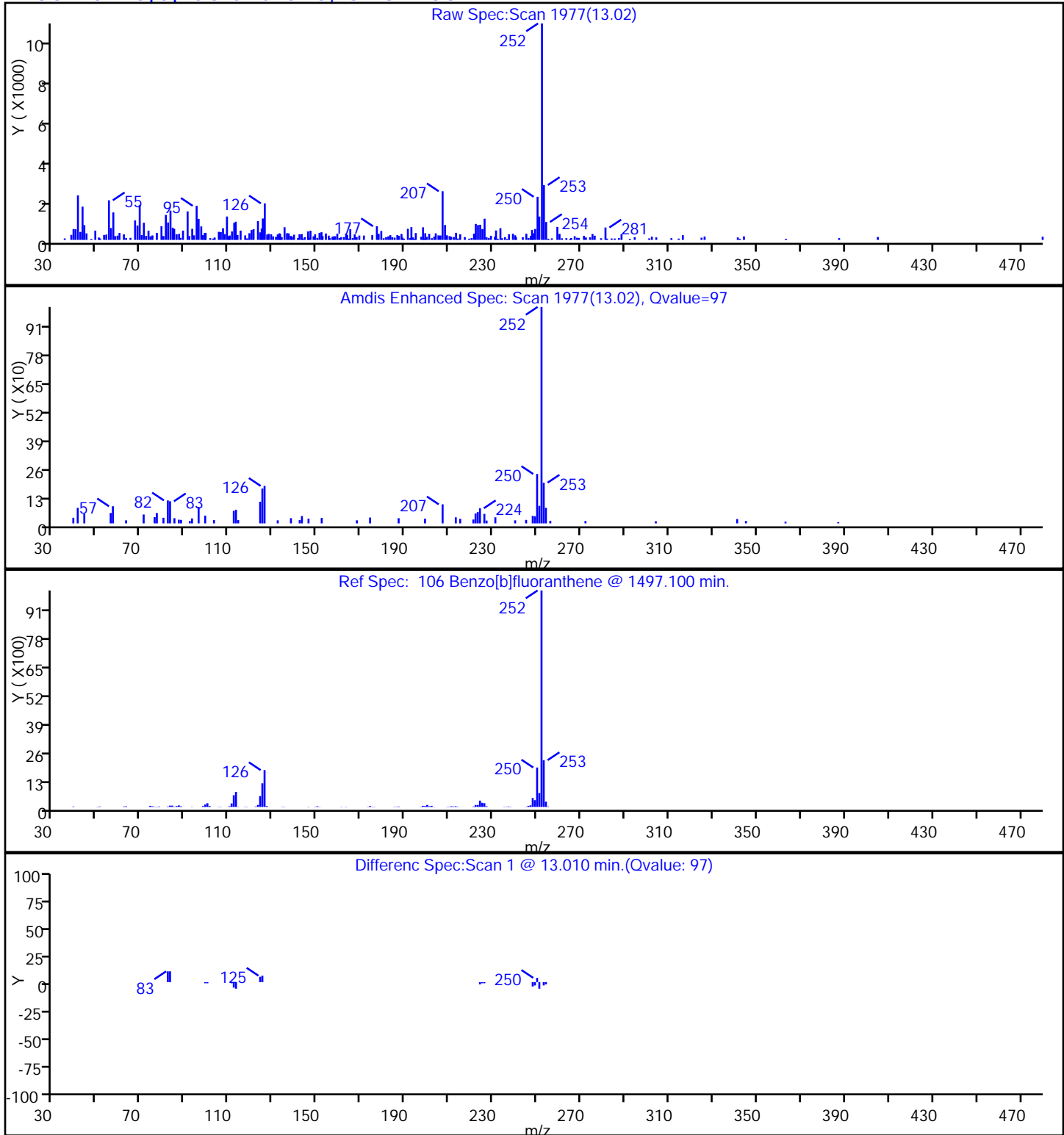
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12558.D

Injection Date: 05-Apr-2016 12:03:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-3-C

Lab Sample ID: 460-111539-3

Client ID: C5

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

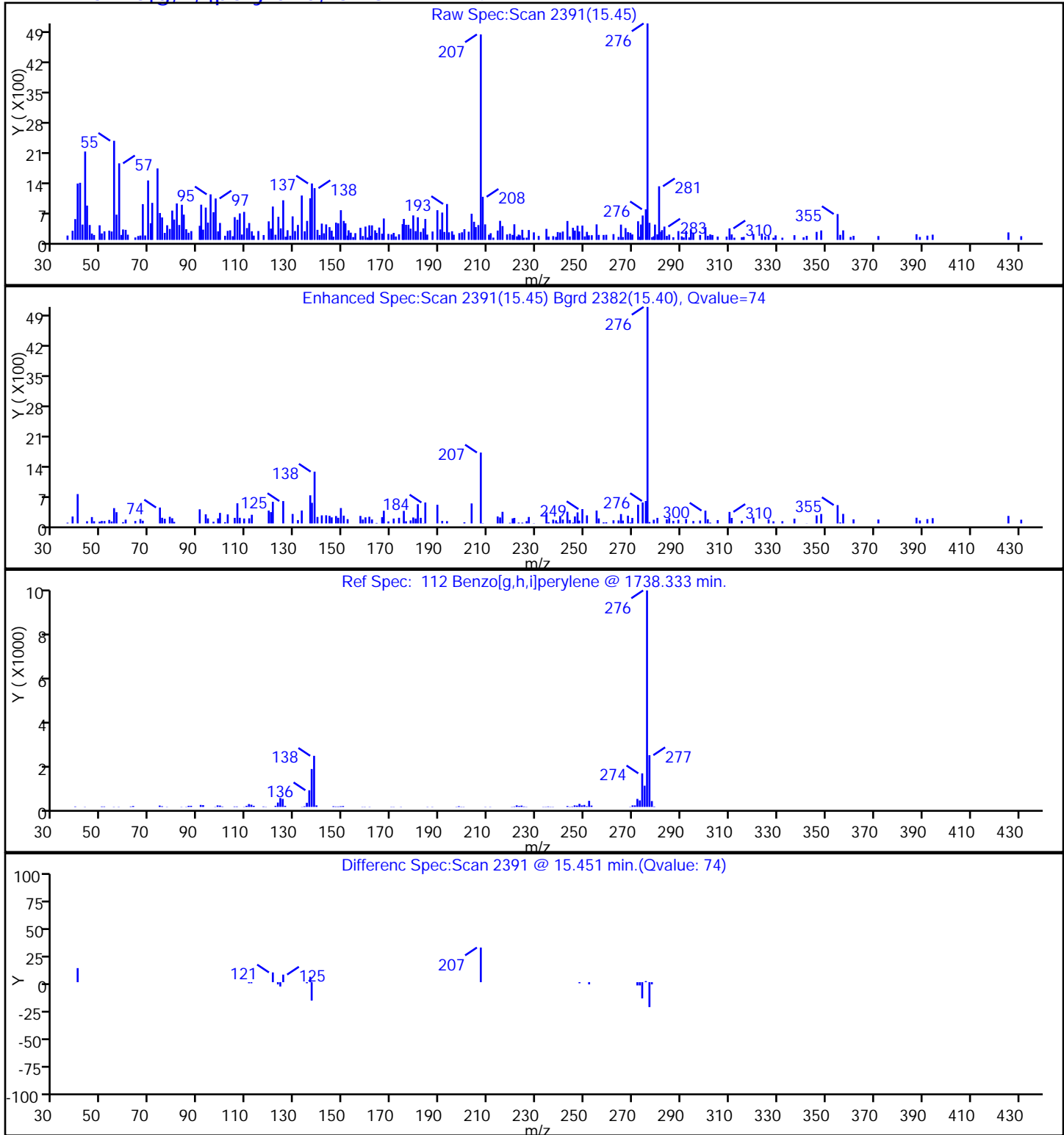
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12558.D

Injection Date: 05-Apr-2016 12:03:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-3-C

Lab Sample ID: 460-111539-3

Client ID: C5

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

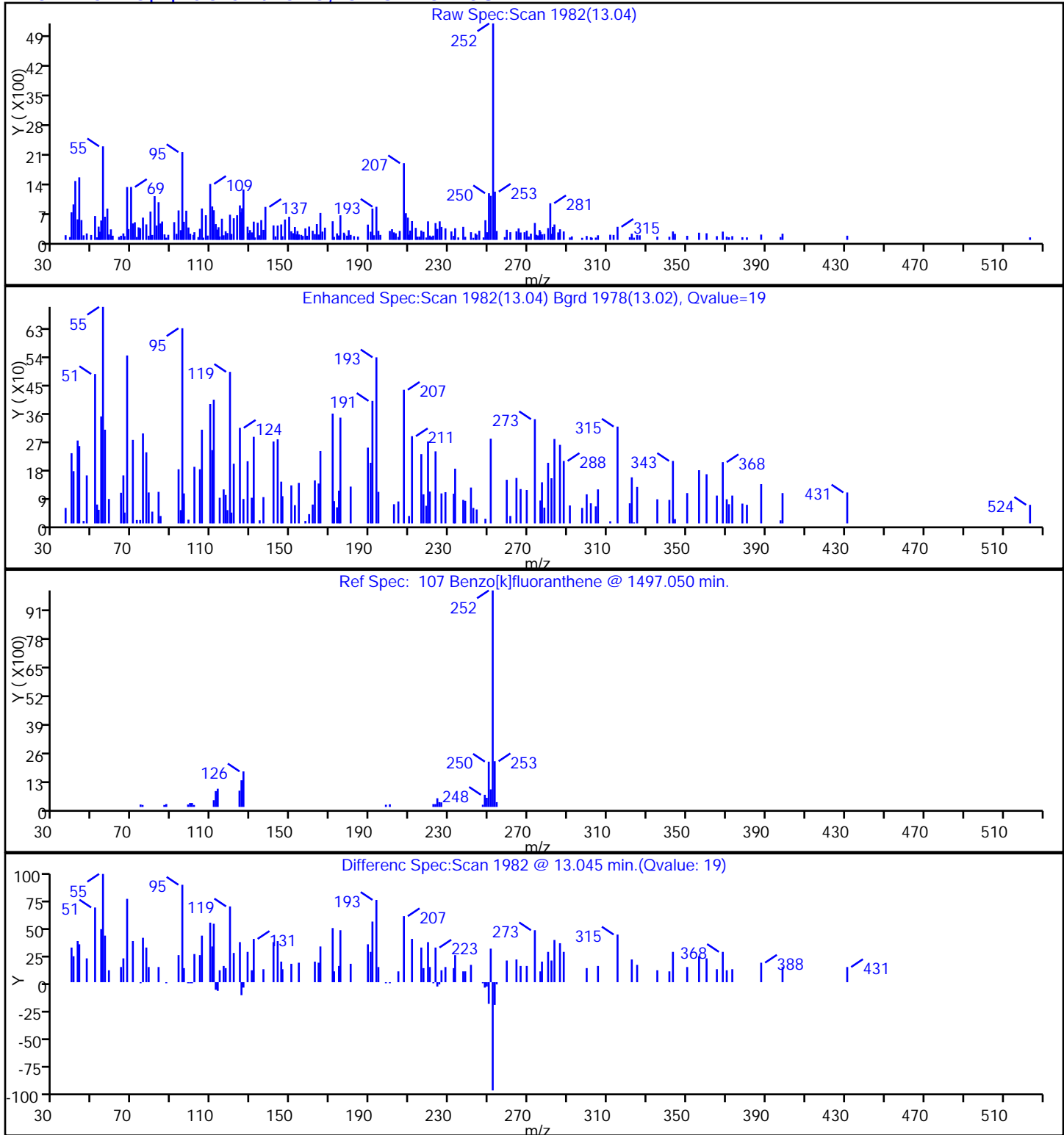
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12558.D

Injection Date: 05-Apr-2016 12:03:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-3-C

Lab Sample ID: 460-111539-3

Client ID: C5

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

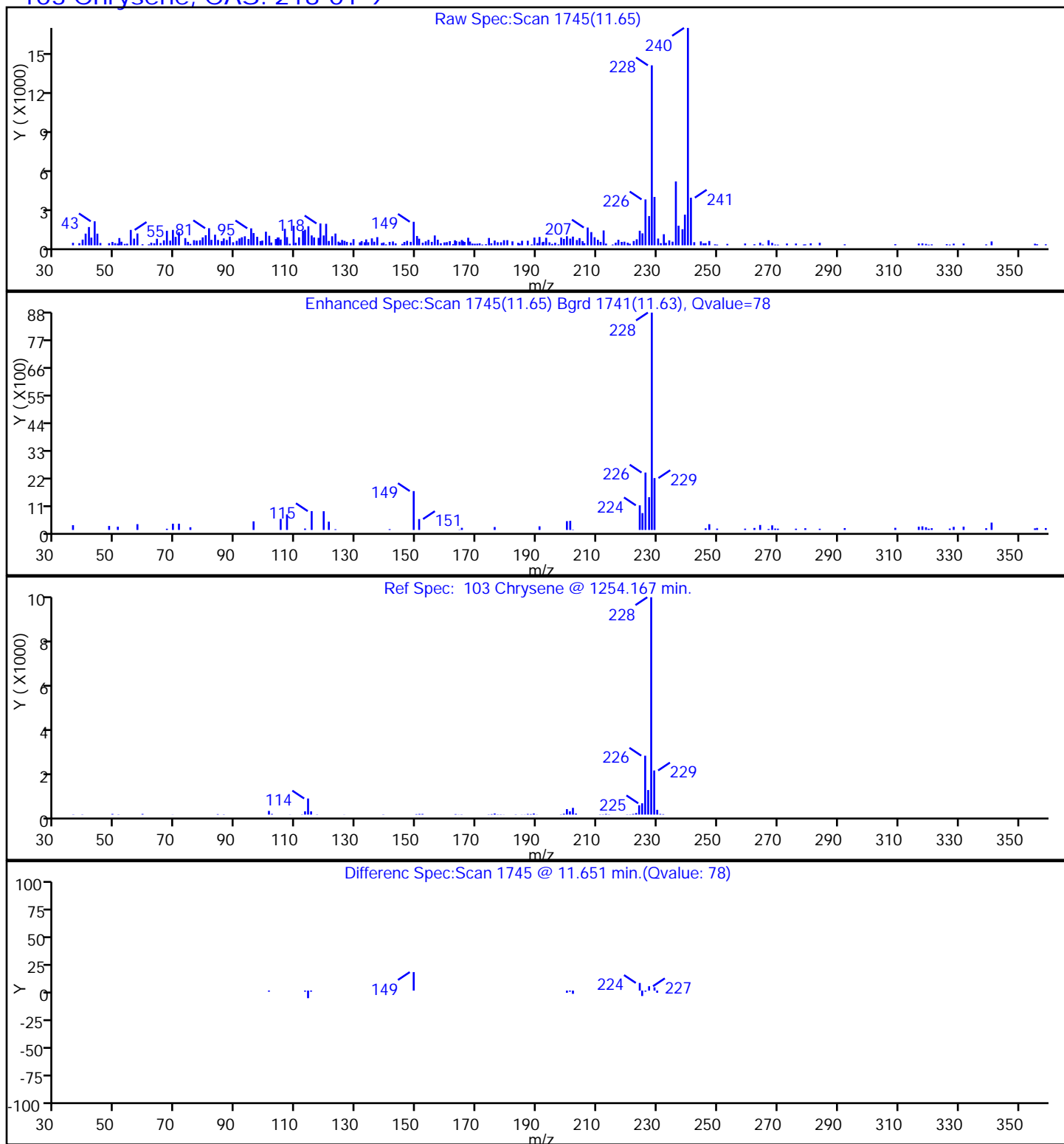
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12558.D

Injection Date: 05-Apr-2016 12:03:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-3-C

Lab Sample ID: 460-111539-3

Client ID: C5

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

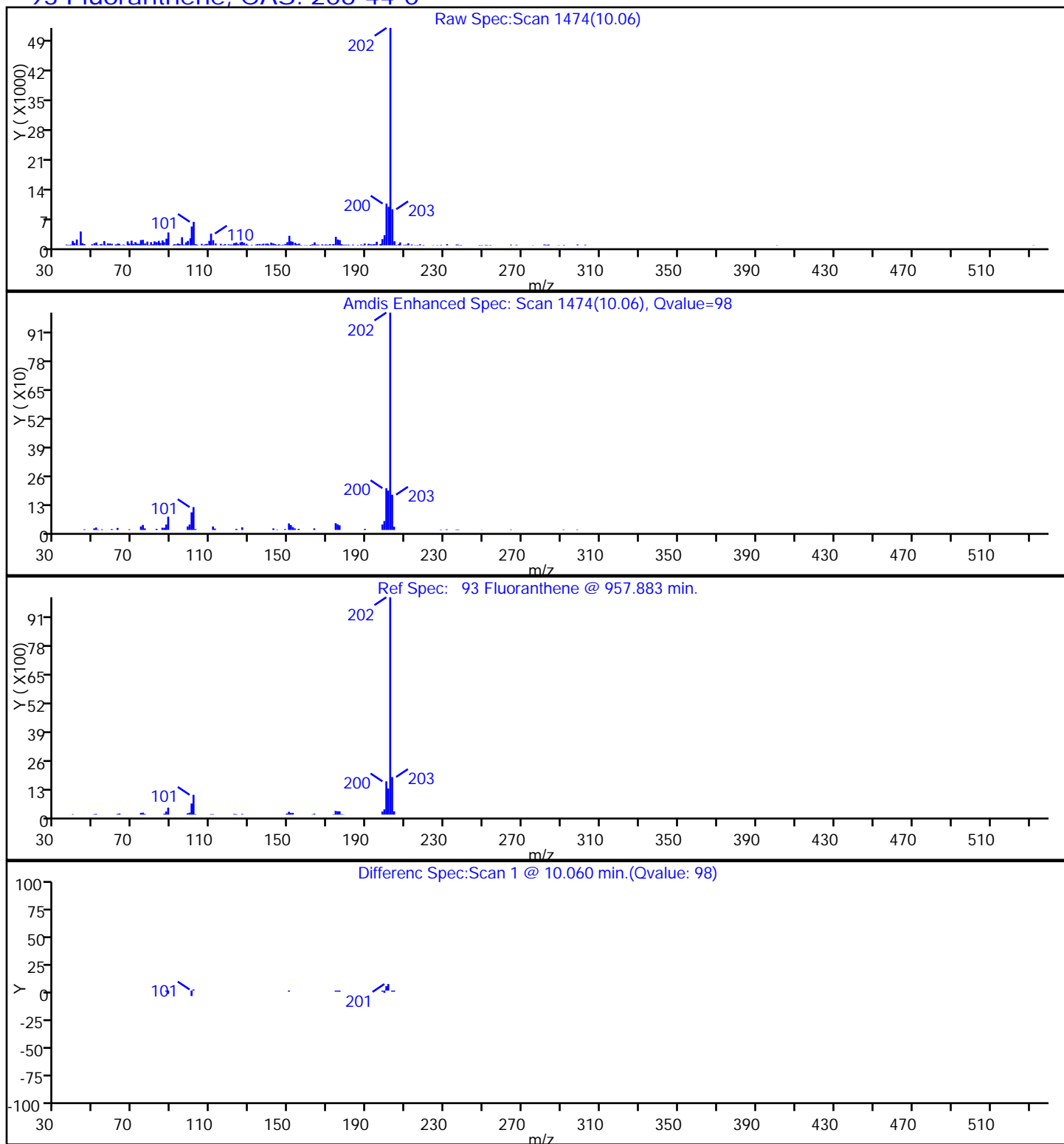
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

93 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12558.D

Injection Date: 05-Apr-2016 12:03:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-3-C

Lab Sample ID: 460-111539-3

Client ID: C5

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

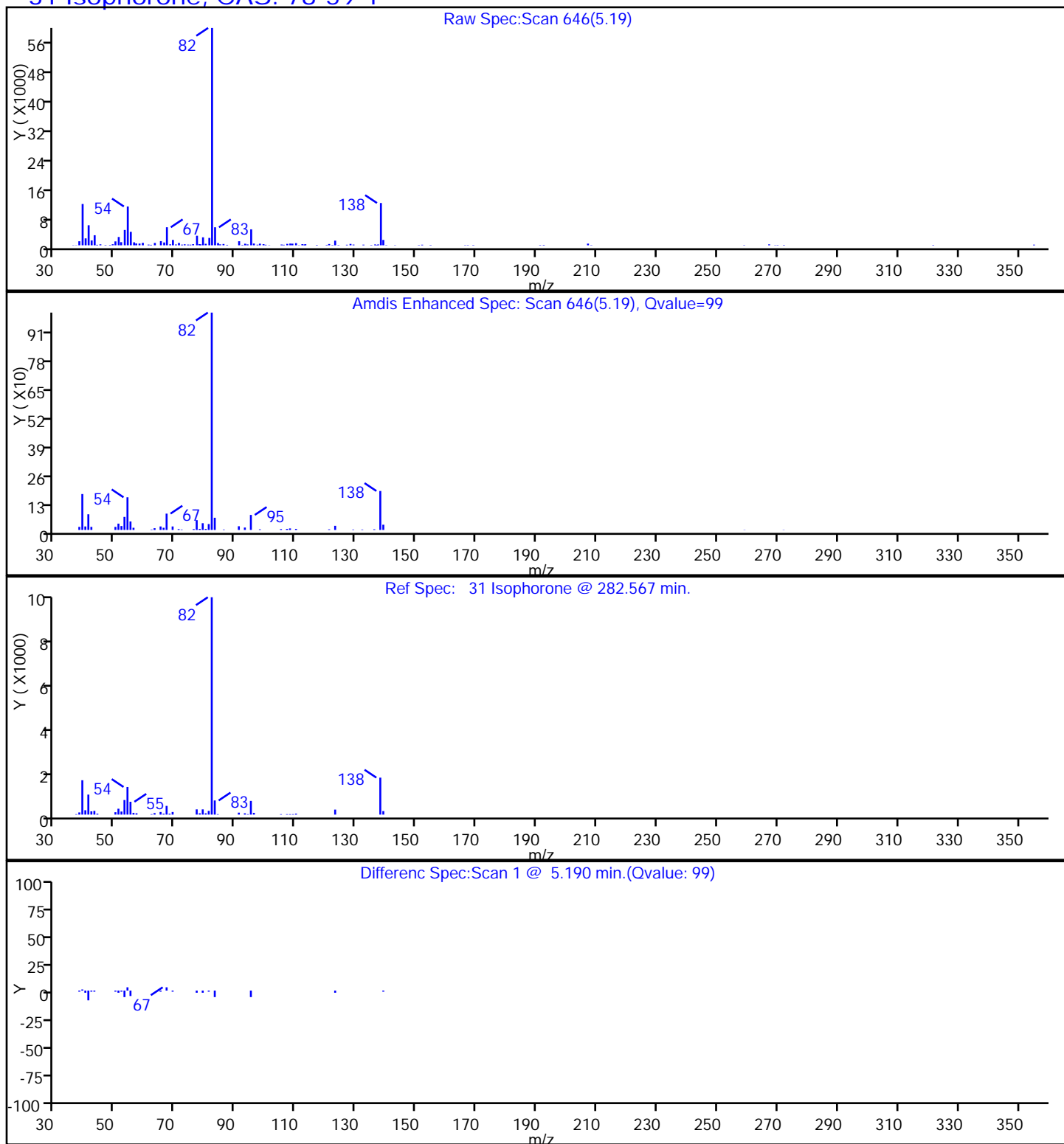
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

31 Isophorone, CAS: 78-59-1

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12558.D

Injection Date: 05-Apr-2016 12:03:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-3-C

Lab Sample ID: 460-111539-3

Client ID: C5

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

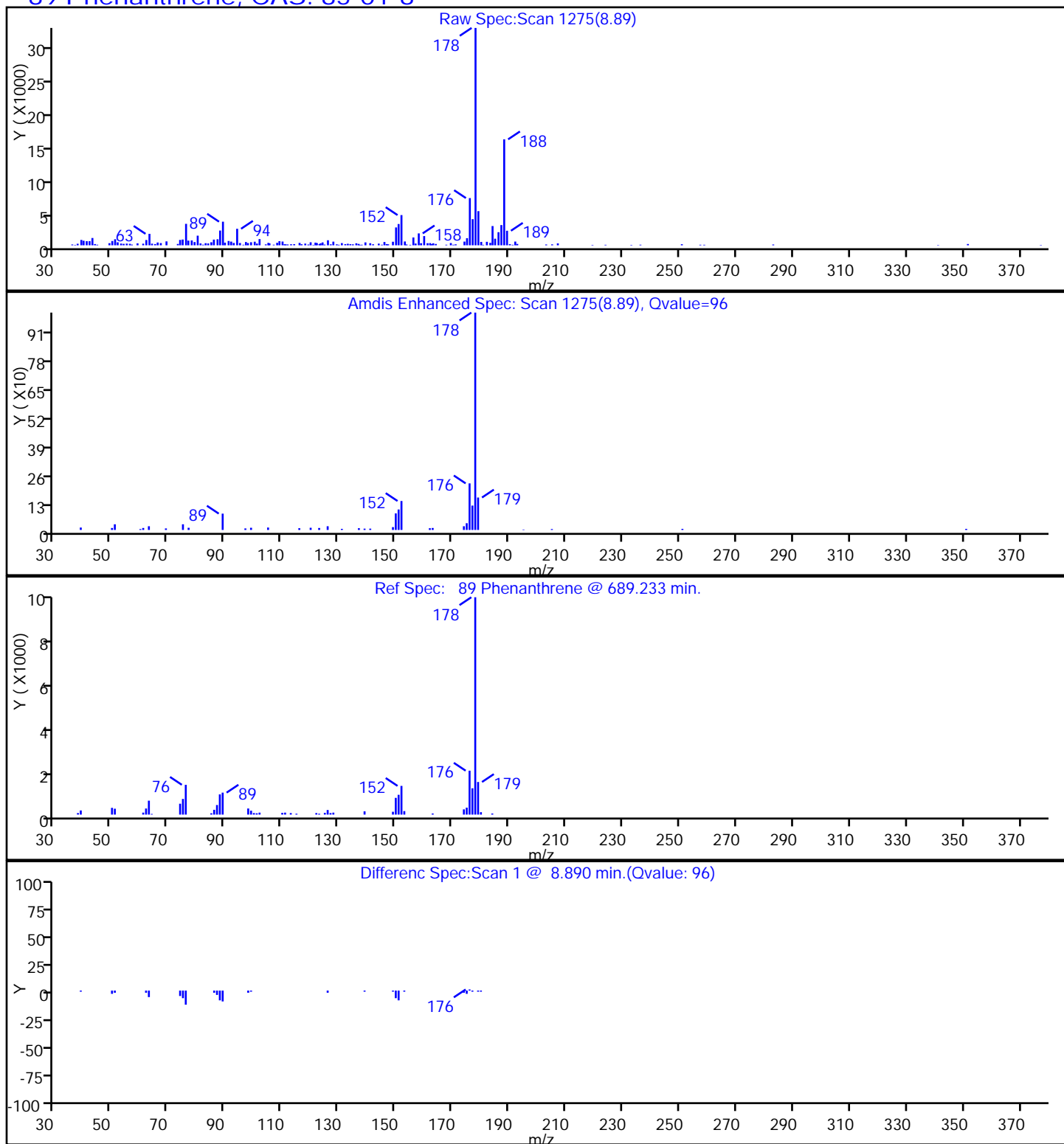
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12558.D

Injection Date: 05-Apr-2016 12:03:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-3-C

Lab Sample ID: 460-111539-3

Client ID: C5

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

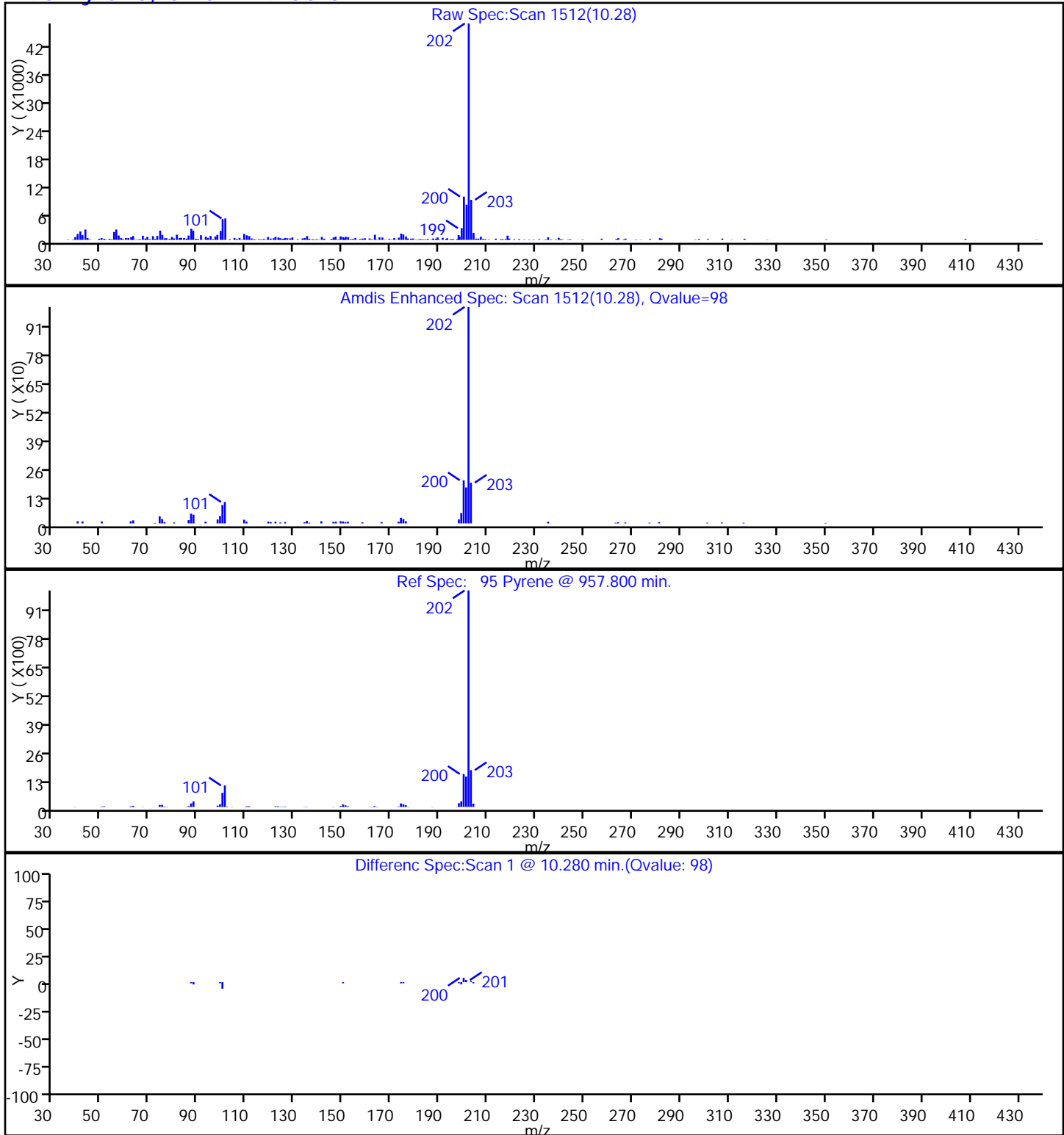
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

95 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12558.D

Injection Date: 05-Apr-2016 12:03:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-3-C

Lab Sample ID: 460-111539-3

Client ID: C5

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

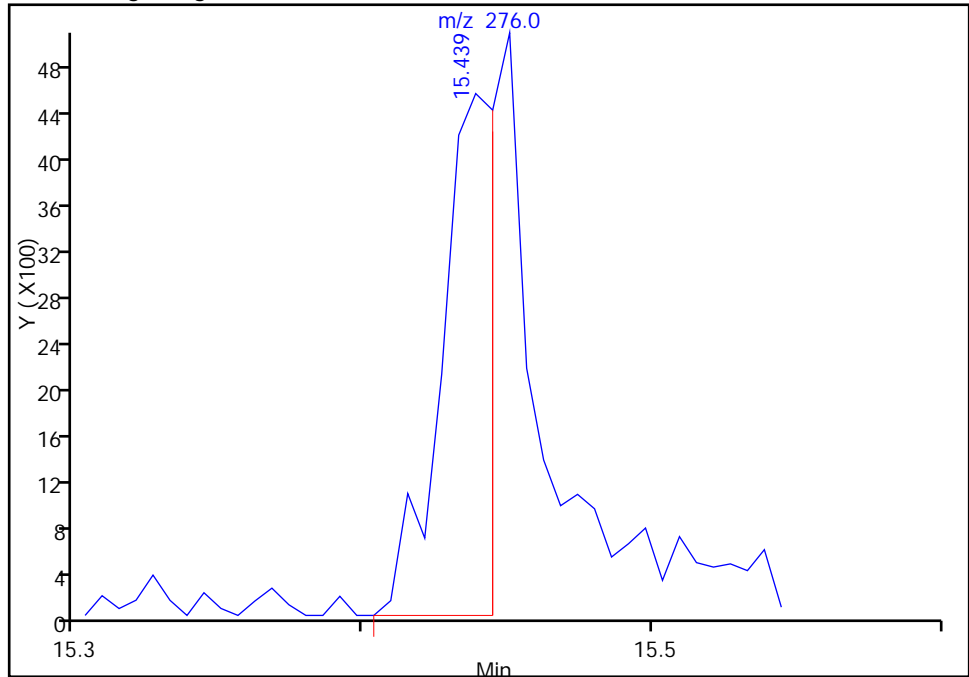
Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

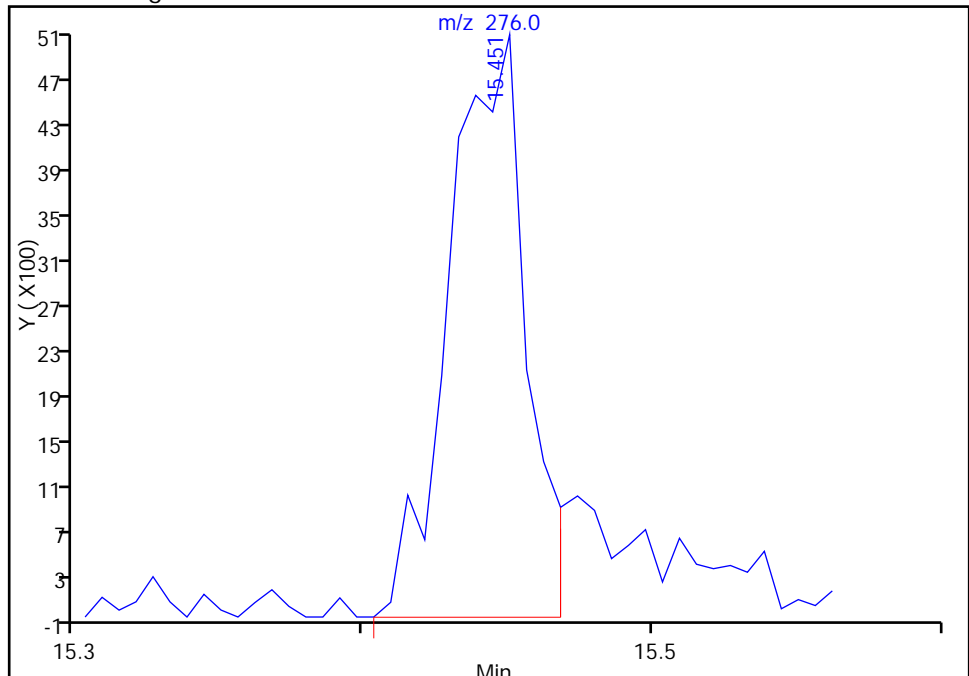
RT: 15.44
Area: 6049
Amount: 0.194529
Amount Units: ug/ml

Processing Integration Results



RT: 15.45
Area: 9429
Amount: 0.303226
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 05-Apr-2016 13:11:02

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12558.D

Injection Date: 05-Apr-2016 12:03:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-3-C

Lab Sample ID: 460-111539-3

Client ID: C5

Operator ID:

ALS Bottle#:

10

Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

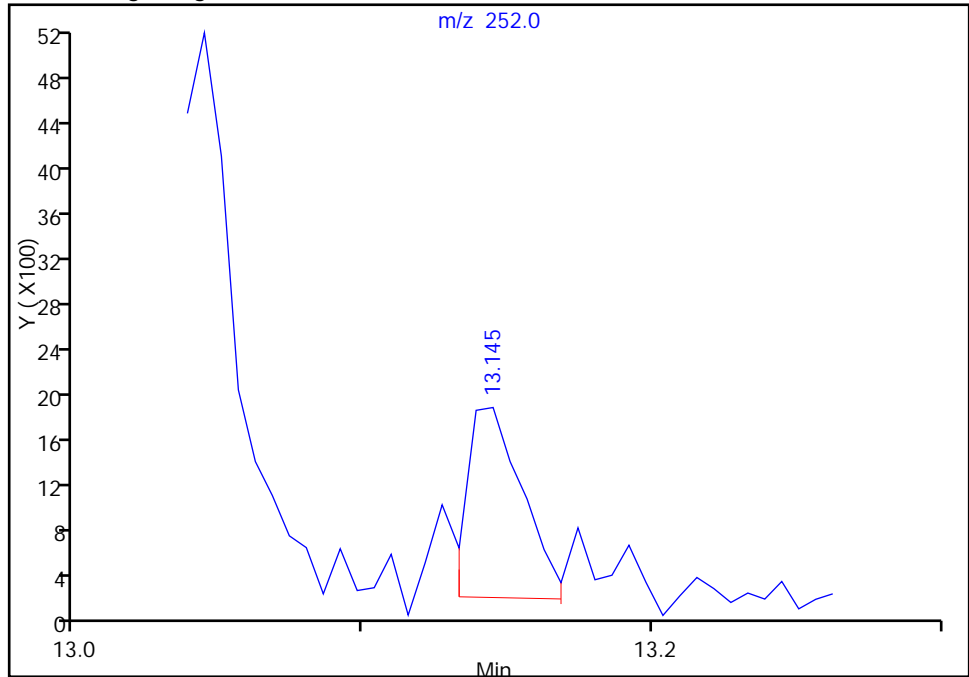
Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

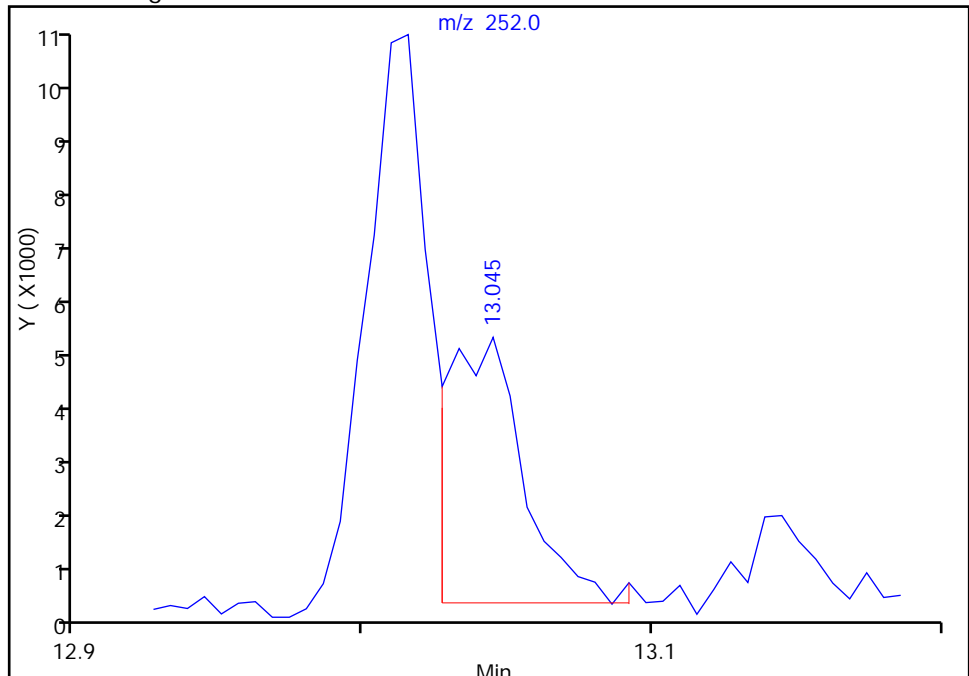
RT: 13.14
Area: 2257
Amount: 0.054138
Amount Units: ug/ml

Processing Integration Results



RT: 13.04
Area: 9404
Amount: 0.225571
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 05-Apr-2016 13:11:02

Audit Action: Manually Integrated

Audit Reason: Missed Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111539-1</u>
SDG No.: _____	
Client Sample ID: <u>B4</u>	Lab Sample ID: <u>460-111539-4</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12562.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/04/2016 13:15</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0110(g)</u>	Date Analyzed: <u>04/05/2016 13:47</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>4.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	690	U	690	59
95-94-3	1,2,4,5-Tetrachlorobenzene	690	U	690	52
108-60-1	2,2'-oxybis[1-chloropropane]	690	U	690	28
58-90-2	2,3,4,6-Tetrachlorophenol	690	U	690	65
95-95-4	2,4,5-Trichlorophenol	690	U	690	69
88-06-2	2,4,6-Trichlorophenol	280	U	280	20
120-83-2	2,4-Dichlorophenol	280	U	280	16
105-67-9	2,4-Dimethylphenol	690	U	690	150
51-28-5	2,4-Dinitrophenol	560	U	560	520
121-14-2	2,4-Dinitrotoluene	140	U	140	27
606-20-2	2,6-Dinitrotoluene	140	U	140	37
91-58-7	2-Chloronaphthalene	690	U	690	16
95-57-8	2-Chlorophenol	690	U	690	18
91-57-6	2-Methylnaphthalene	110	J	690	15
95-48-7	2-Methylphenol	690	U	690	30
88-74-4	2-Nitroaniline	690	U	690	23
88-75-5	2-Nitrophenol	690	U	690	23
91-94-1	3,3'-Dichlorobenzidine	280	U	280	77
99-09-2	3-Nitroaniline	690	U	690	21
534-52-1	4,6-Dinitro-2-methylphenol	560	U	560	180
101-55-3	4-Bromophenyl phenyl ether	690	U	690	22
59-50-7	4-Chloro-3-methylphenol	690	U	690	30
106-47-8	4-Chloroaniline	690	U	690	18
7005-72-3	4-Chlorophenyl phenyl ether	690	U	690	21
106-44-5	4-Methylphenol	690	U	690	19
100-01-6	4-Nitroaniline	690	U	690	26
100-02-7	4-Nitrophenol	1400	U	1400	330
83-32-9	Acenaphthene	650	J	690	17
208-96-8	Acenaphthylene	100	J	690	18
98-86-2	Acetophenone	690	U	690	15
120-12-7	Anthracene	1600		690	66
1912-24-9	Atrazine	280	U	280	31
100-52-7	Benzaldehyde	690	U	690	53
56-55-3	Benzo[a]anthracene	3700		69	58

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111539-1</u>
SDG No.: _____	
Client Sample ID: <u>B4</u>	Lab Sample ID: <u>460-111539-4</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12562.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/04/2016 13:15</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0110(g)</u>	Date Analyzed: <u>04/05/2016 13:47</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>4.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	3100		69	21
205-99-2	Benzo[b]fluoranthene	3600		69	27
191-24-2	Benzo[g,h,i]perylene	2500		690	40
207-08-9	Benzo[k]fluoranthene	1500		69	30
111-91-1	Bis(2-chloroethoxy)methane	690	U	690	22
111-44-4	Bis(2-chloroethyl)ether	69	U	69	16
117-81-7	Bis(2-ethylhexyl) phthalate	690	U	690	27
85-68-7	Butyl benzyl phthalate	690	U	690	21
105-60-2	Caprolactam	690	U	690	50
86-74-8	Carbazole	320	J	690	17
218-01-9	Chrysene	3600		690	19
53-70-3	Dibenz(a,h)anthracene	510		69	36
132-64-9	Dibenzofuran	290	J	690	21
84-66-2	Diethyl phthalate	690	U	690	20
131-11-3	Dimethyl phthalate	690	U	690	20
84-74-2	Di-n-butyl phthalate	690	U	690	21
117-84-0	Di-n-octyl phthalate	690	U	690	35
206-44-0	Fluoranthene	7700		690	21
86-73-7	Fluorene	620	J	690	15
118-74-1	Hexachlorobenzene	69	U	69	28
87-68-3	Hexachlorobutadiene	140	U	140	19
77-47-4	Hexachlorocyclopentadiene	690	U	690	43
67-72-1	Hexachloroethane	69	U	69	25
193-39-5	Indeno[1,2,3-cd]pyrene	2600		69	46
78-59-1	Isophorone	110	J	280	15
91-20-3	Naphthalene	140	J	690	18
98-95-3	Nitrobenzene	69	U	69	22
621-64-7	N-Nitrosodi-n-propylamine	69	U	69	23
86-30-6	N-Nitrosodiphenylamine	690	U	690	63
87-86-5	Pentachlorophenol	560	U	560	84
85-01-8	Phenanthrene	7000		690	18
108-95-2	Phenol	690	U	690	23
129-00-0	Pyrene	6700		690	31

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111539-1</u>
SDG No.: _____	
Client Sample ID: <u>B4</u>	Lab Sample ID: <u>460-111539-4</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12562.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/04/2016 13:15</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0110(g)</u>	Date Analyzed: <u>04/05/2016 13:47</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>4.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	62		10-95
321-60-8	2-Fluorobiphenyl	86	*	27-84
367-12-4	2-Fluorophenol (Surr)	67		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	82		28-92
4165-62-2	Phenol-d5 (Surr)	69		22-88
1718-51-0	Terphenyl-d14 (Surr)	82		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D
 Lims ID: 460-111539-A-4-A Lab Sample ID: 460-111539-4
 Client ID: B4
 Sample Type: Client
 Inject. Date: 05-Apr-2016 13:47:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 2.0000
 Sample Info: 460-0039444-014
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 05-Apr-2016 14:52:37 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: croccom

Date: 05-Apr-2016 14:16:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.140	3.087	0.053	94	908124	16.7	
\$ 6 Phenol-d5	99	4.010	4.022	-0.012	88	1056708	17.3	
* 14 1,4-Dichlorobenzene-d4	152	4.369	4.369	0.000	98	1475754	40.0	
\$ 26 Nitrobenzene-d5	82	4.922	4.934	-0.012	88	1102684	20.6	
31 Isophorone	82	5.181	5.198	-0.017	99	59471	0.7635	
* 38 Naphthalene-d8	136	5.651	5.651	0.000	99	5082700	40.0	
39 Naphthalene	128	5.669	5.675	-0.006	97	123897	1.03	
44 2-Methylnaphthalene	142	6.363	6.369	-0.006	83	61173	0.7749	
\$ 51 2-Fluorobiphenyl	172	6.733	6.739	-0.006	98	1760722	21.4	
52 1,1'-Biphenyl	154	6.828	6.833	-0.005	95	22641	0.2523	
61 Acenaphthylene	152	7.257	7.263	-0.006	98	66896	0.7210	
* 65 Acenaphthene-d10	164	7.398	7.404	-0.006	92	2187254	40.0	
67 Acenaphthene	154	7.433	7.439	-0.006	94	309278	4.68	
71 Dibenzofuran	168	7.604	7.610	-0.006	94	171842	2.07	
75 Fluorene	166	7.939	7.945	-0.006	95	289006	4.45	
\$ 80 2,4,6-Tribromophenol	330	8.180	8.186	-0.006	93	119219	15.5	
* 88 Phenanthrene-d10	188	8.863	8.869	-0.006	99	2387000	40.0	
89 Phenanthrene	178	8.892	8.892	0.000	97	3430071	50.4	
90 Anthracene	178	8.939	8.945	-0.006	98	807578	11.7	
91 Carbazole	167	9.098	9.104	-0.006	96	124915	2.32	
93 Fluoranthene	202	10.063	10.063	0.000	98	3044463	55.0	
95 Pyrene	202	10.286	10.286	0.000	99	2565759	47.7	
\$ 96 Terphenyl-d14	244	10.445	10.445	0.000	99	764710	20.6	
101 Benzo[a]anthracene	228	11.616	11.616	0.000	98	1041092	26.4	
* 102 Chrysene-d12	240	11.627	11.622	0.005	100	1258215	40.0	
103 Chrysene	228	11.657	11.663	-0.006	99	908252	26.0	
106 Benzo[b]fluoranthene	252	13.015	13.021	-0.006	98	986112	25.8	
107 Benzo[k]fluoranthene	252	13.051	13.057	-0.006	1	445694	11.0	
108 Benzo[a]pyrene	252	13.462	13.462	0.000	98	780434	22.3	
* 109 Perylene-d12	264	13.539	13.533	0.006	98	1223161	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.045	15.045	0.000	99	557851	18.9	
111 Dibenz(a,h)anthracene	278	15.080	15.086	-0.006	94	110395	3.67	

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

112 Benzo[g,h,i]perylene

276

15.462

15.462

0.000

98

534454

17.7

Reagents:

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160405-39444.b\\x12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Worklist Smp#: 14

Client ID: B4

Injection Vol: 1.0 ul

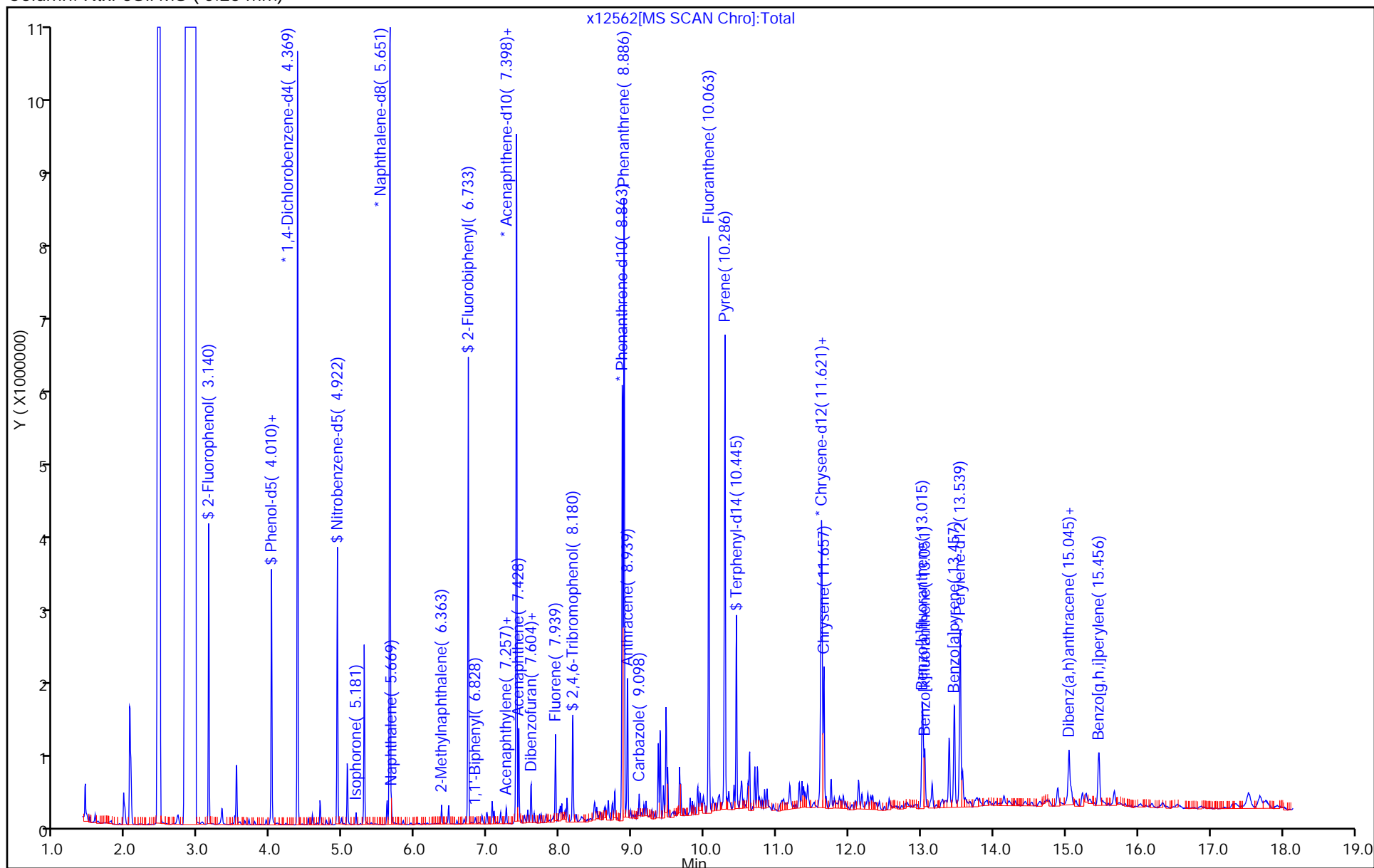
Dil. Factor: 2.0000

ALS Bottle#: 14

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

14

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

Limit Group:

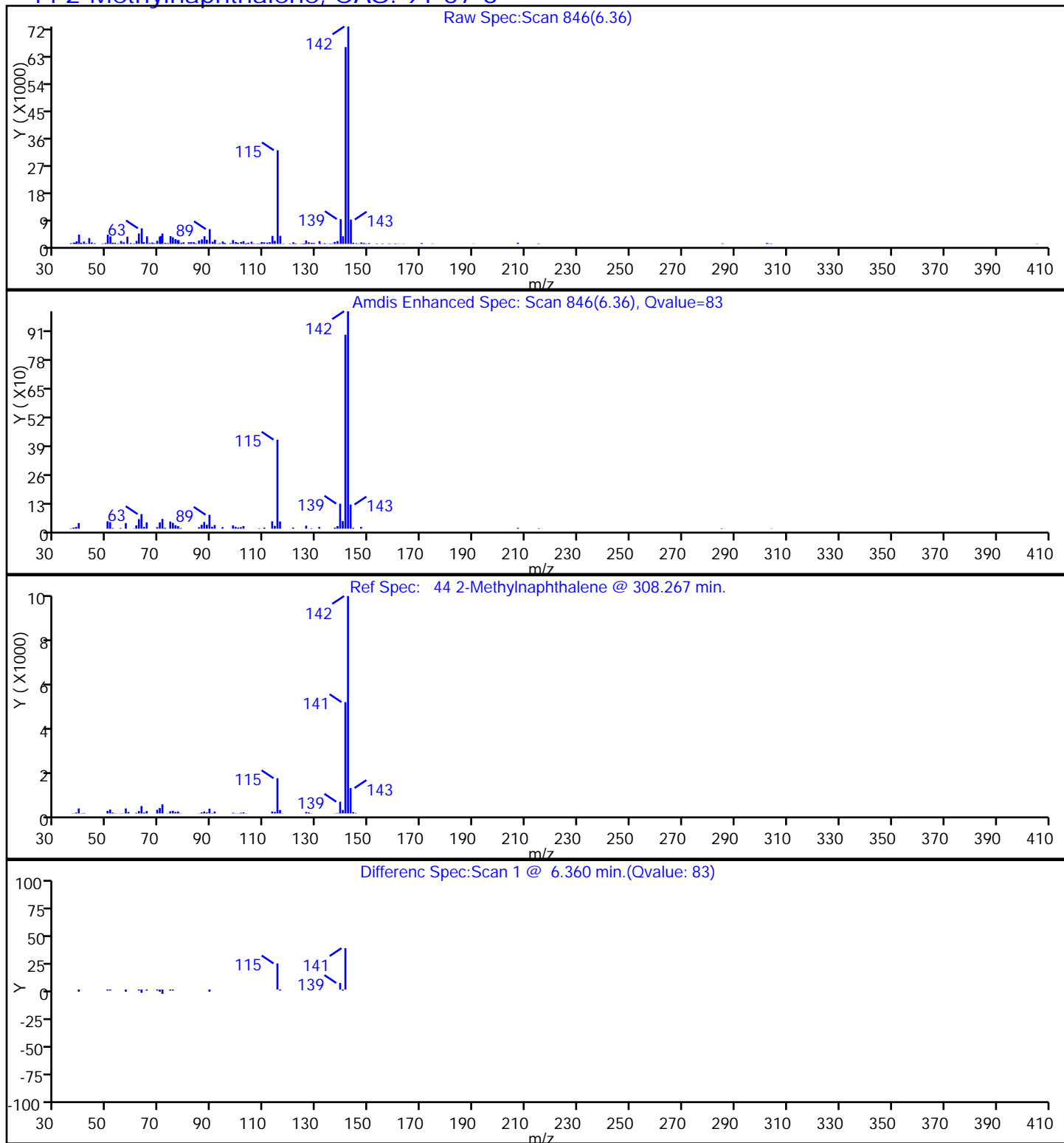
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

44 2-Methylnaphthalene, CAS: 91-57-6



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

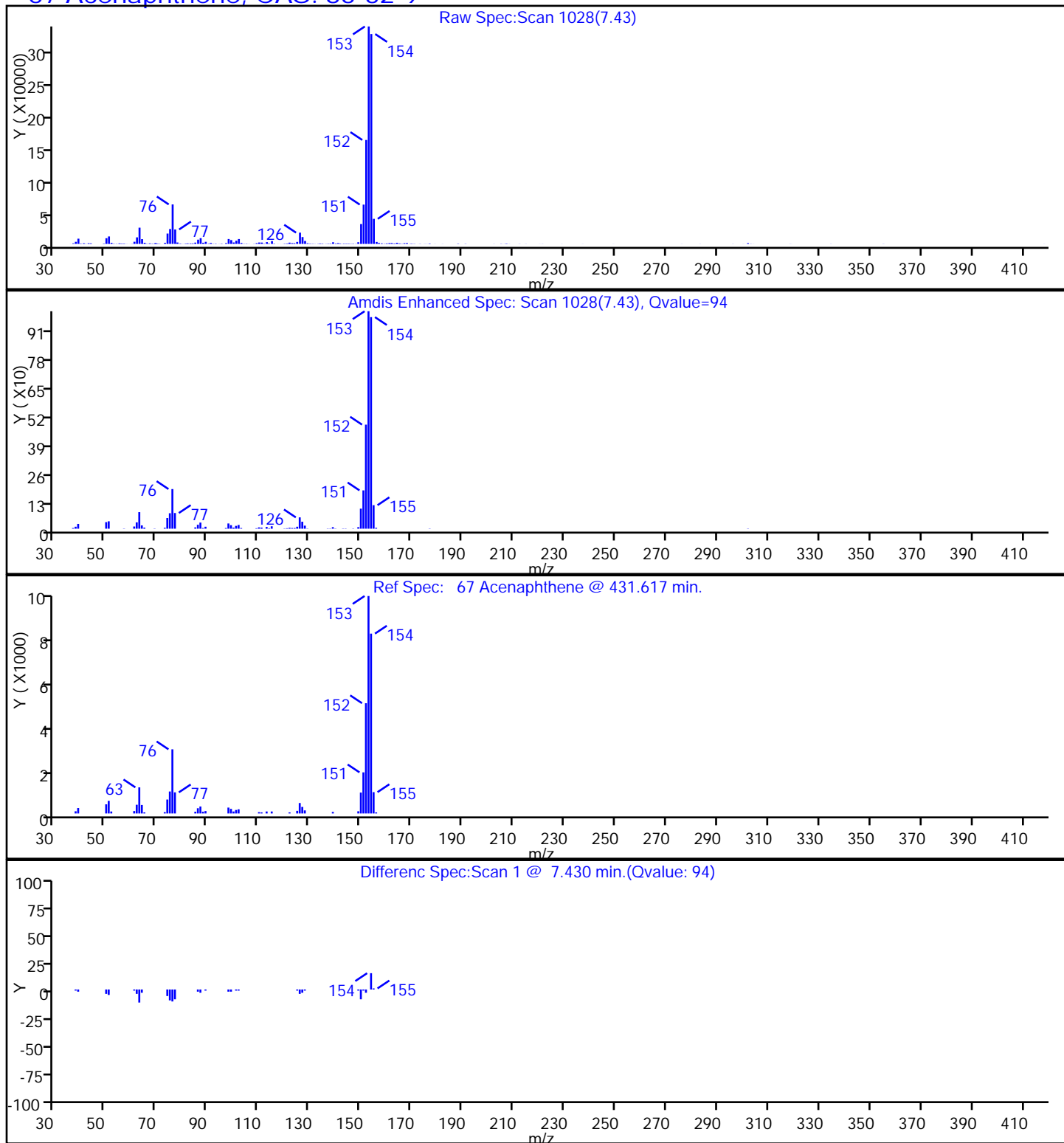
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

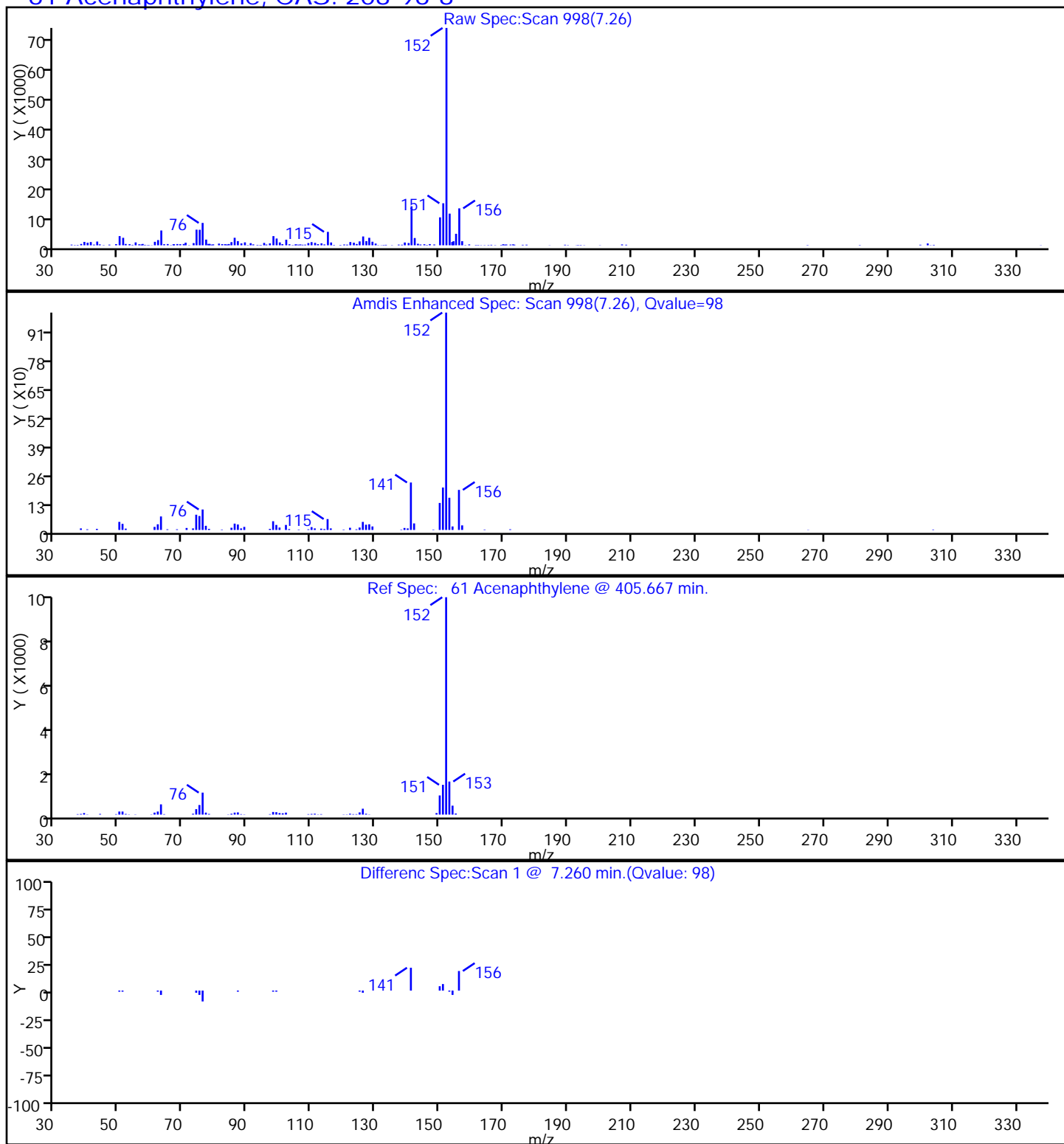
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

61 Acenaphthylene, CAS: 208-96-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

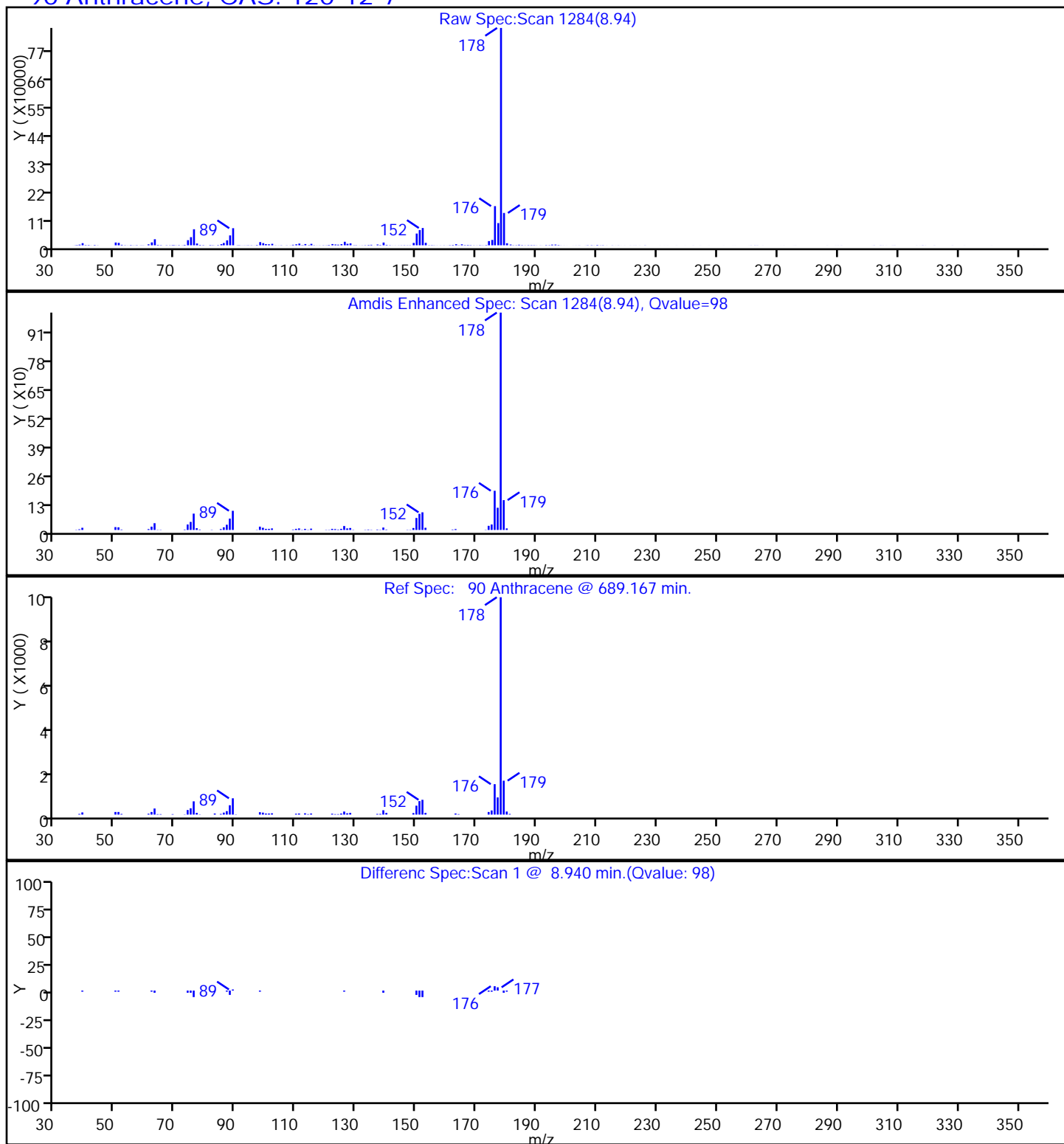
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

90 Anthracene, CAS: 120-12-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

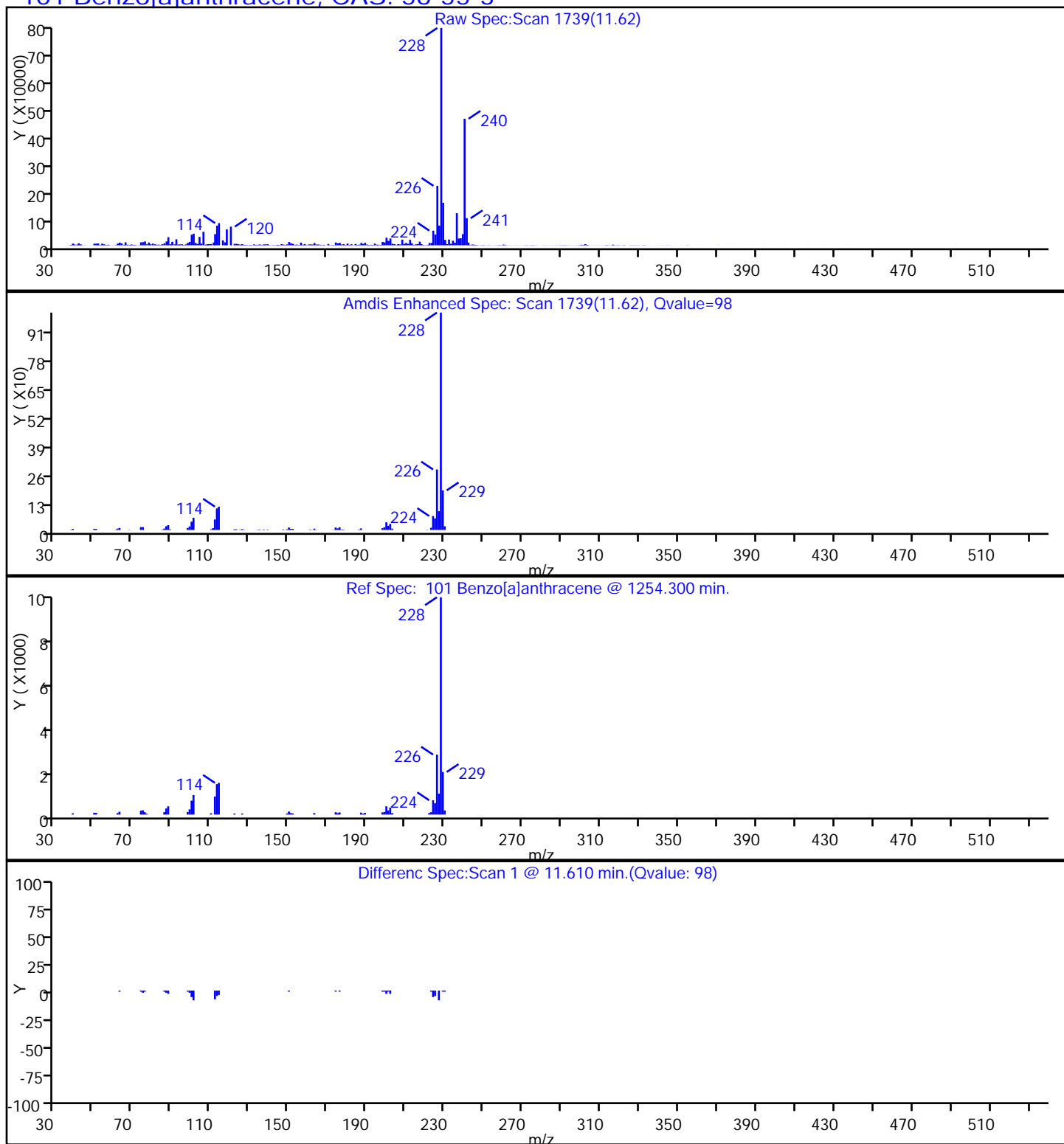
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

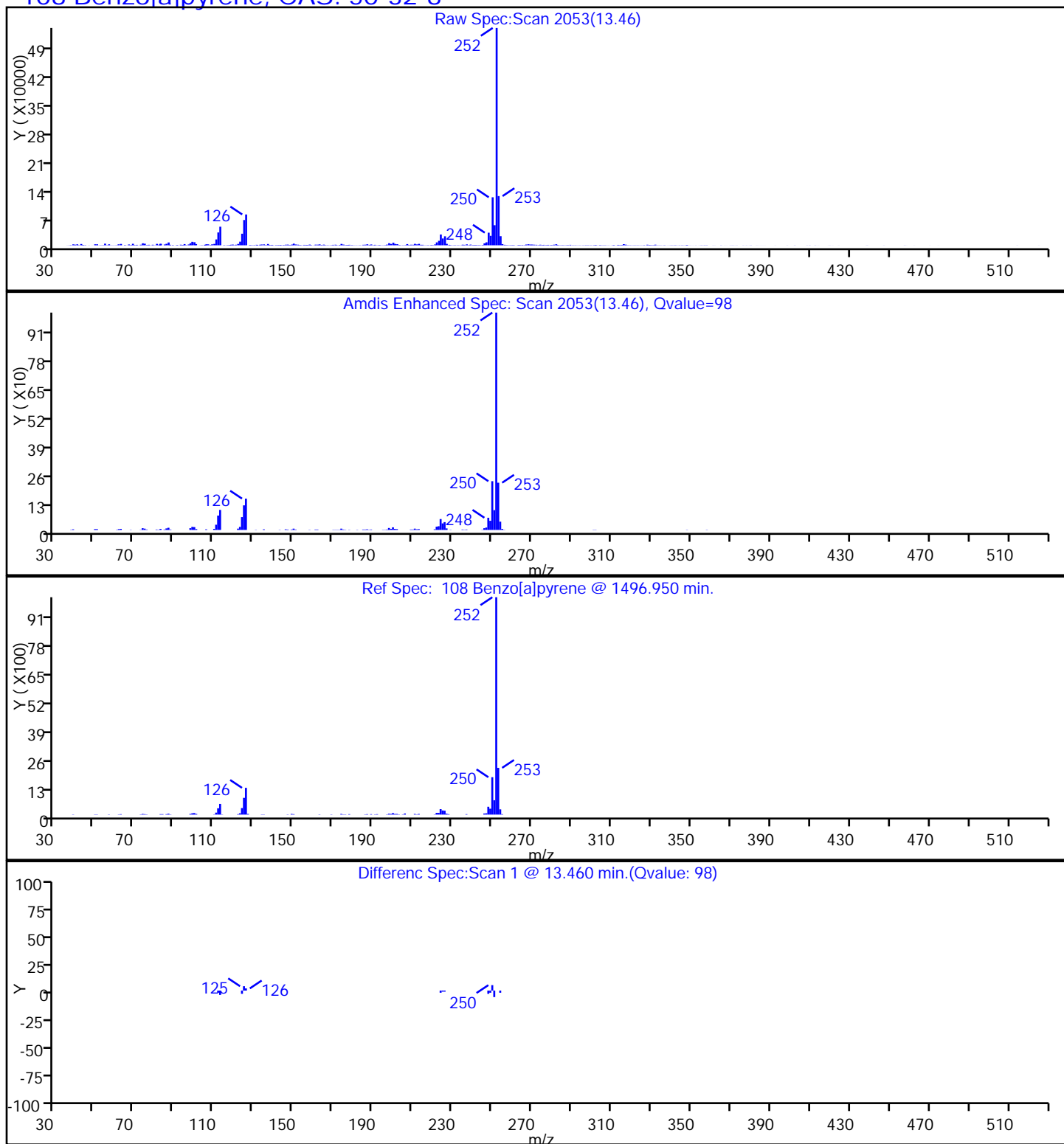
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

14

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

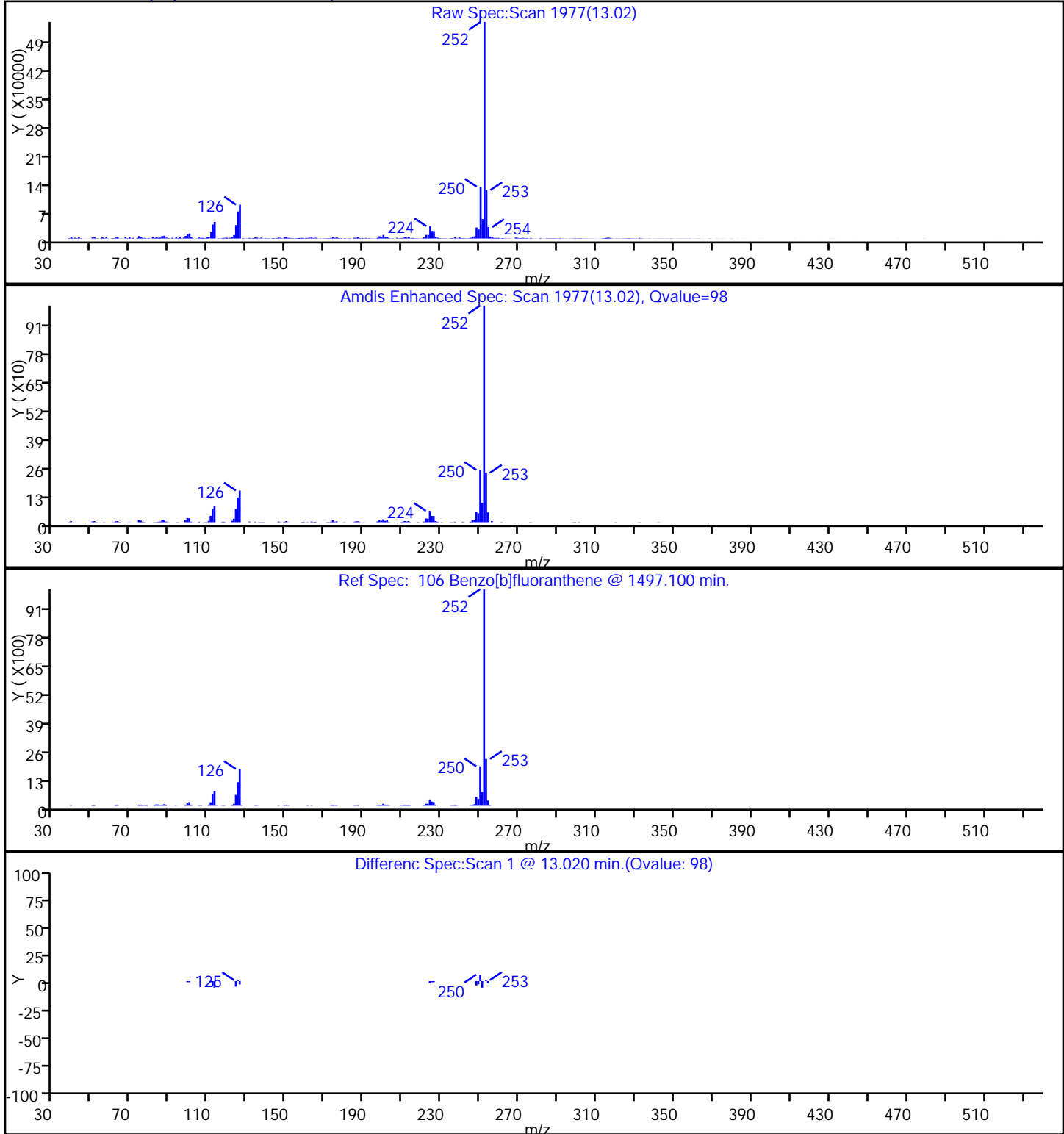
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

14

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

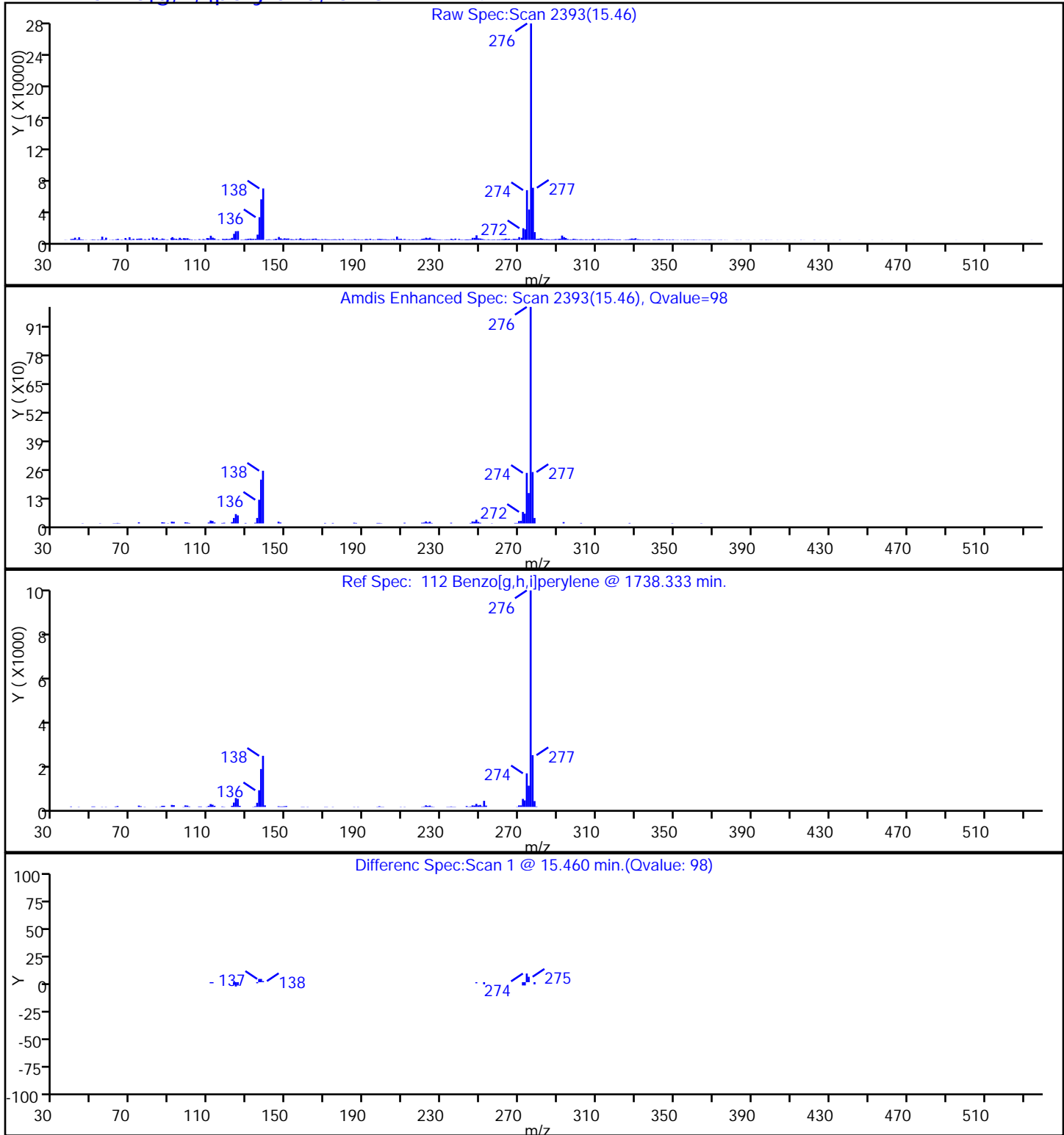
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

14

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

Limit Group:

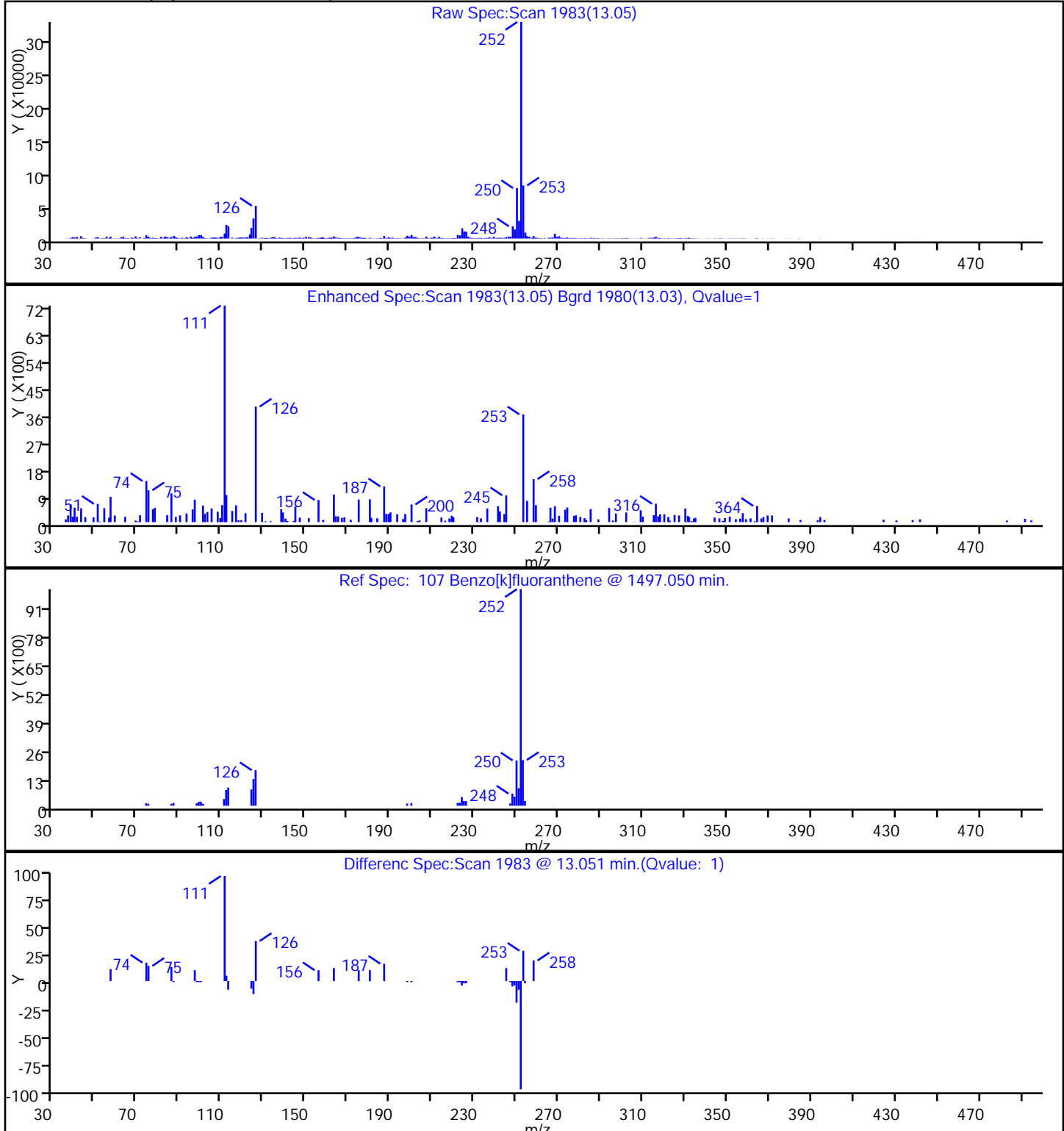
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

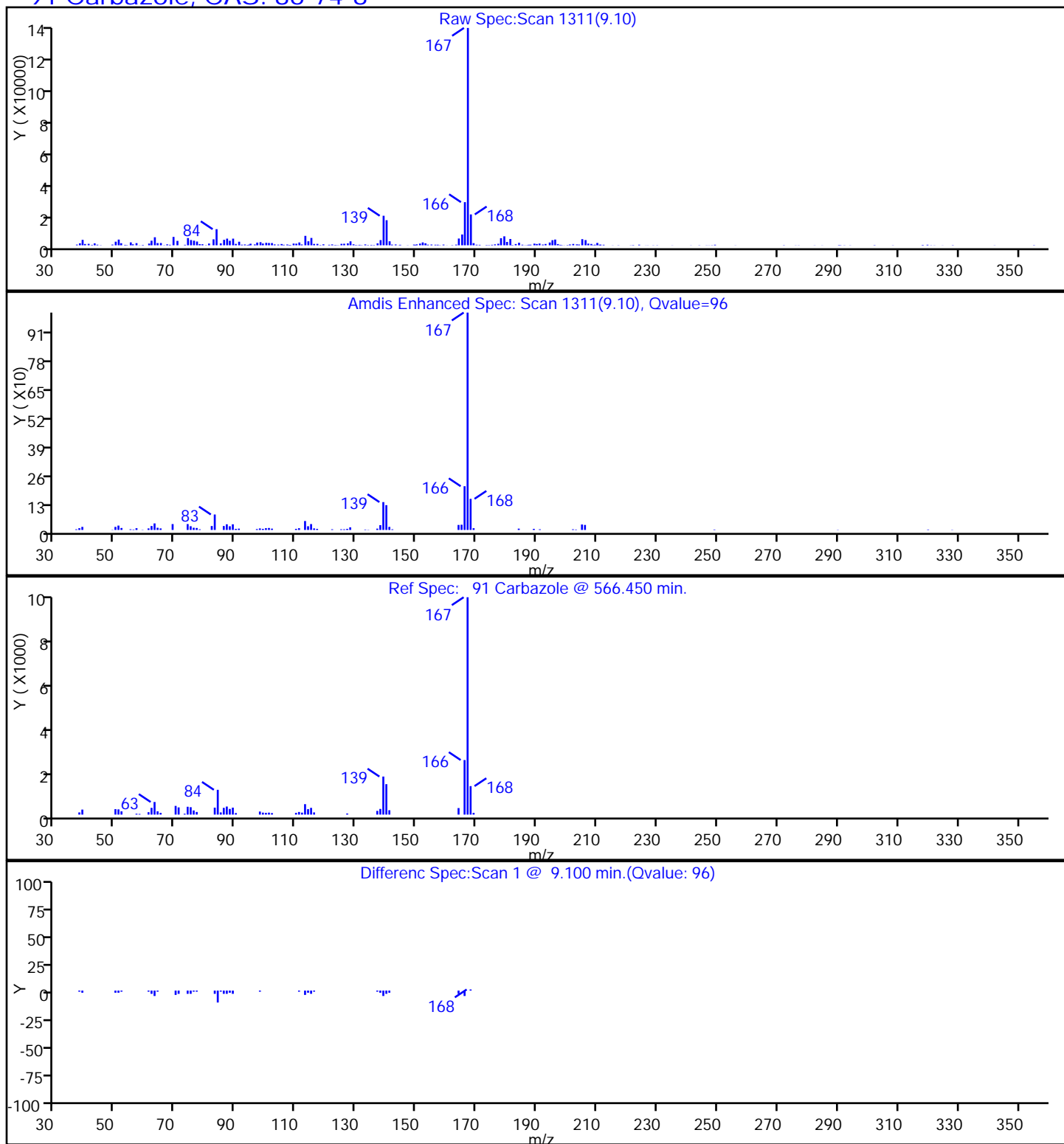
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

91 Carbazole, CAS: 86-74-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

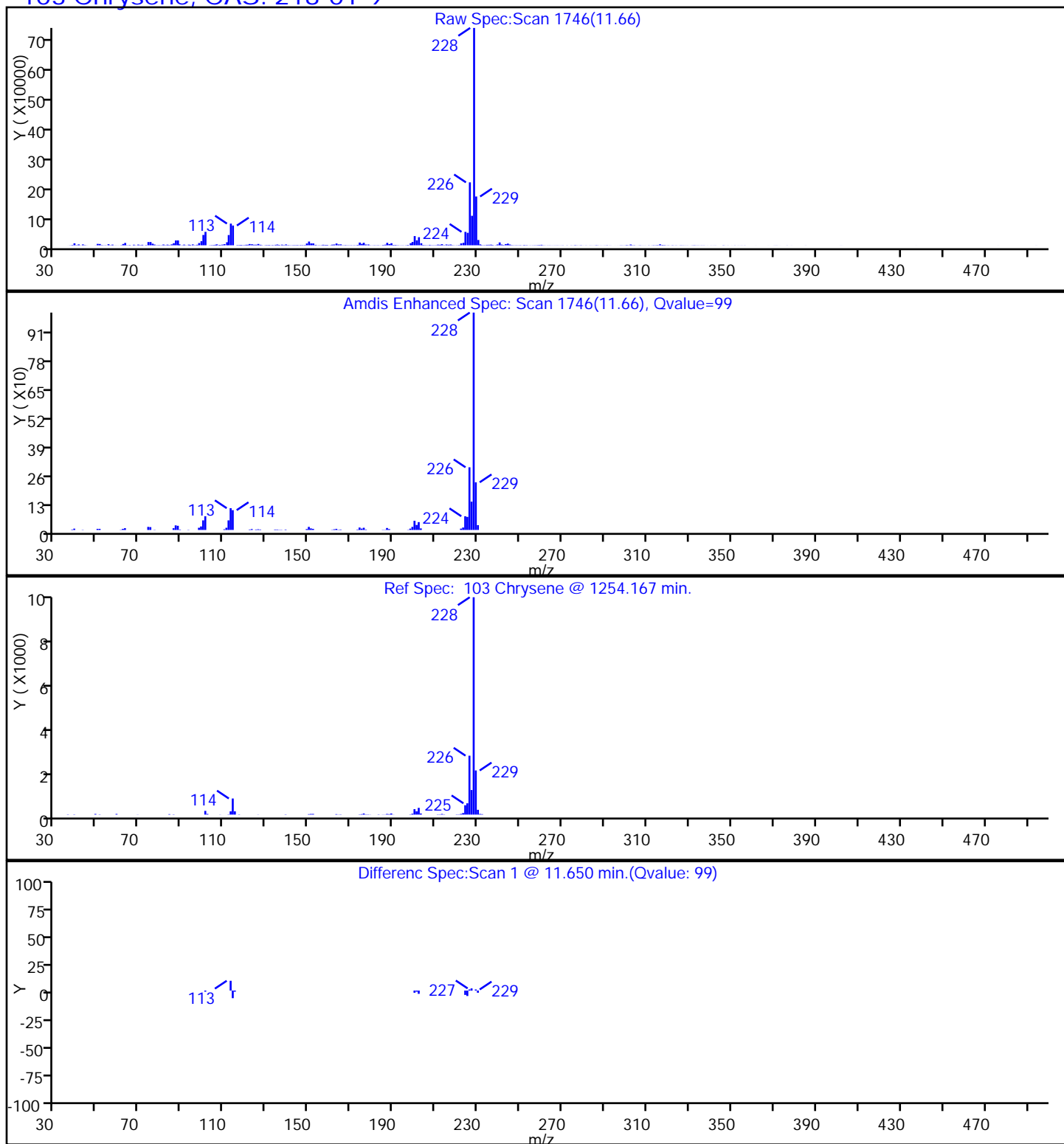
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

14

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

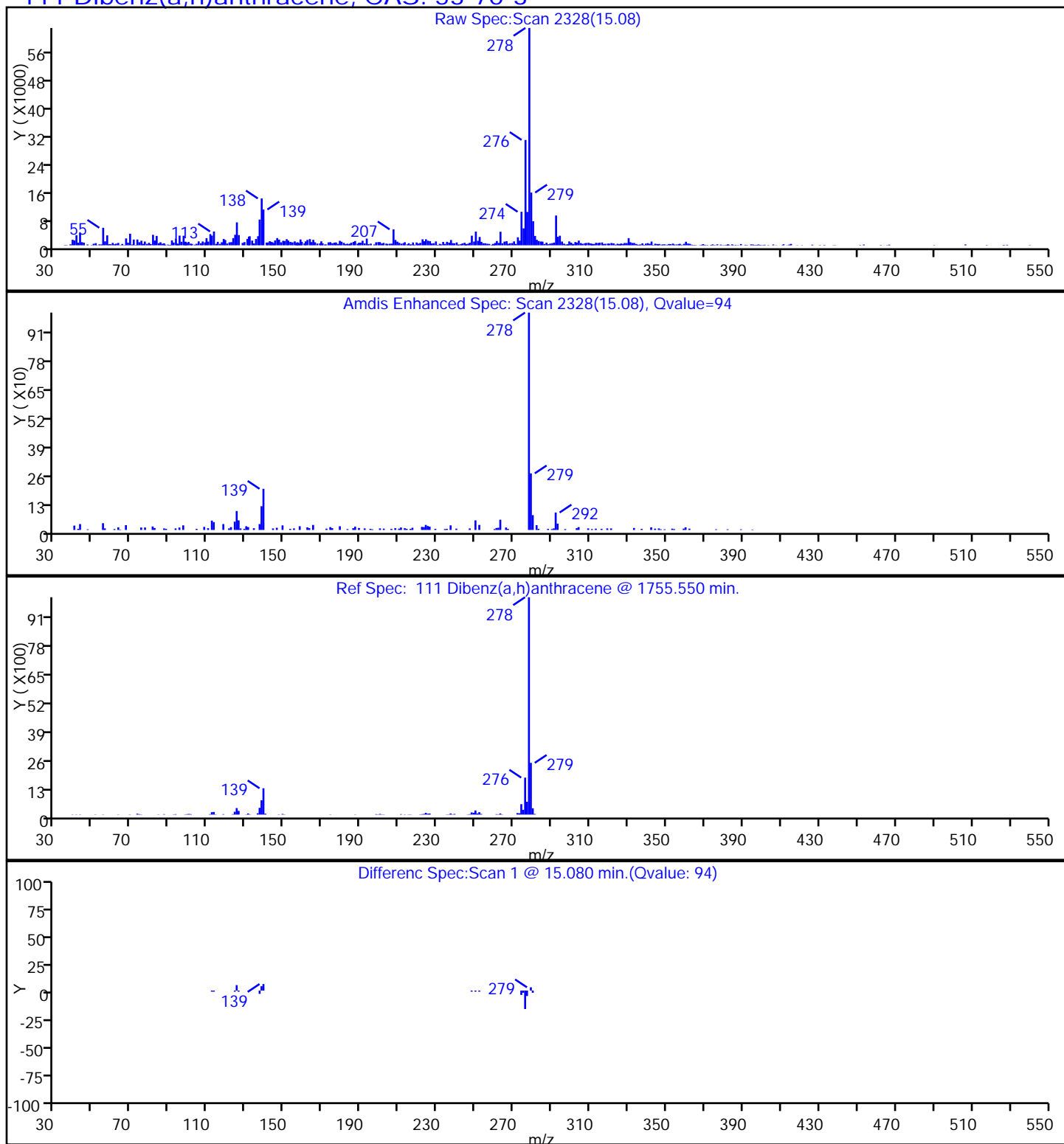
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

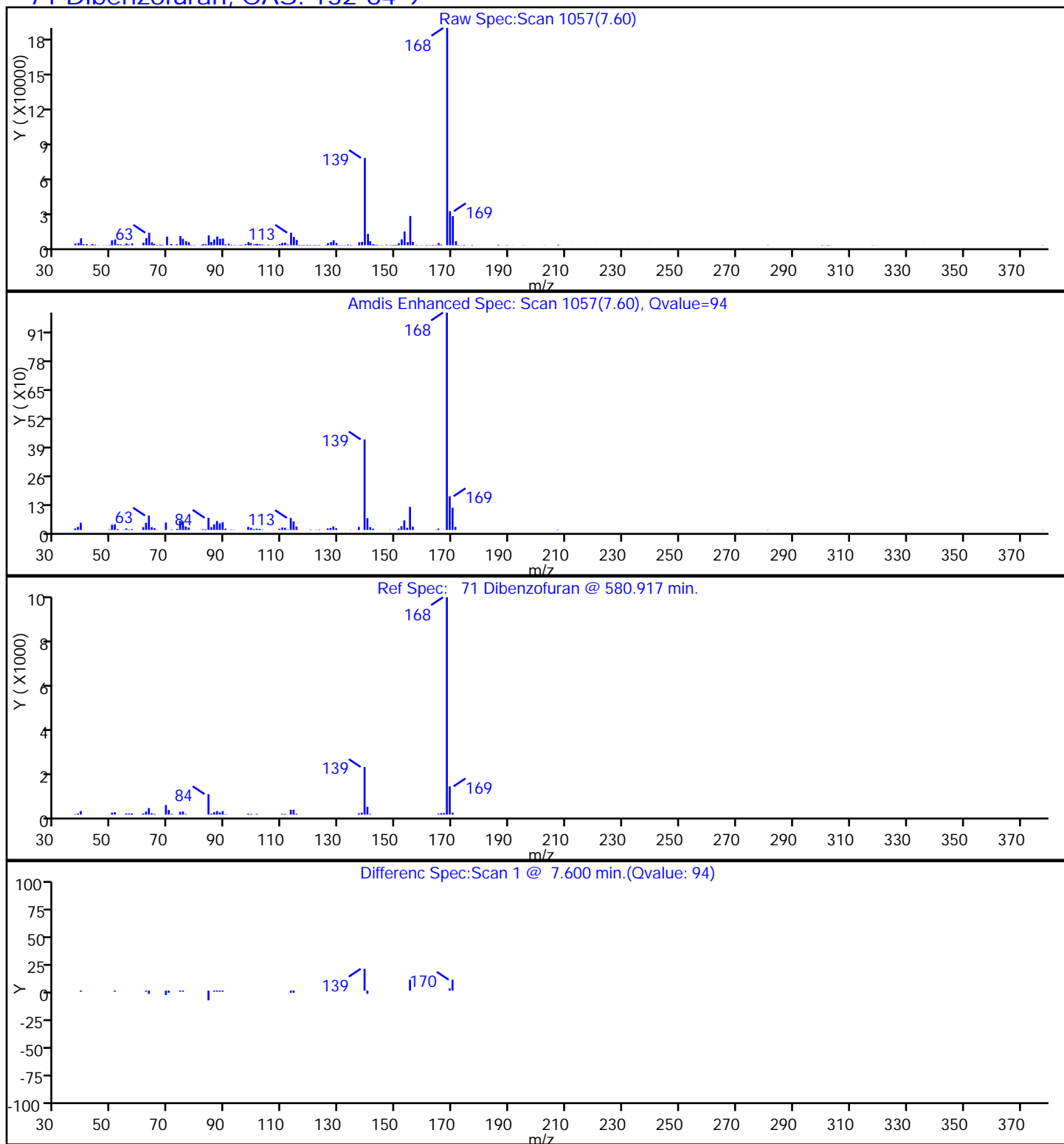
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

71 Dibenzofuran, CAS: 132-64-9



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

14

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

Limit Group:

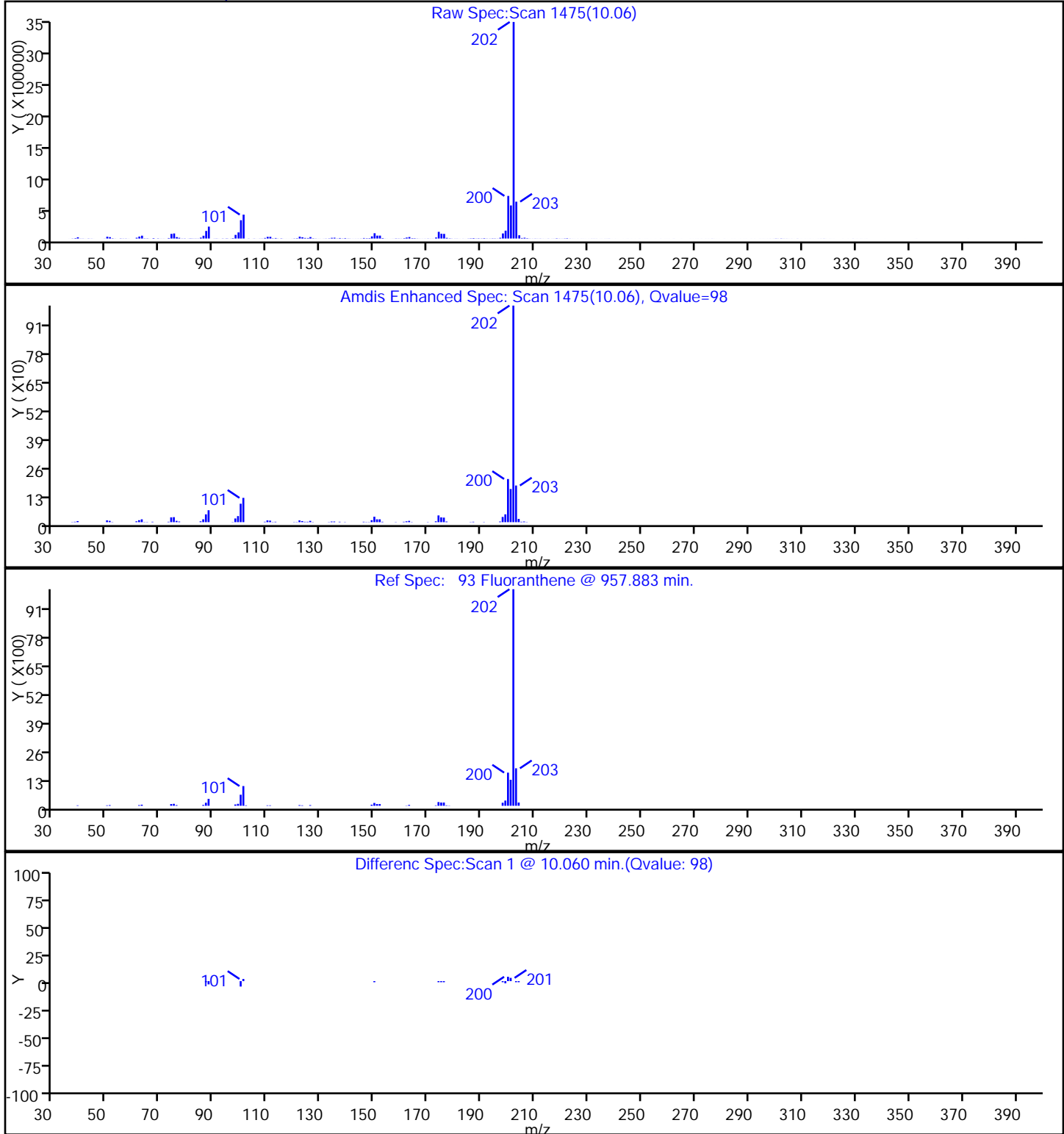
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

93 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

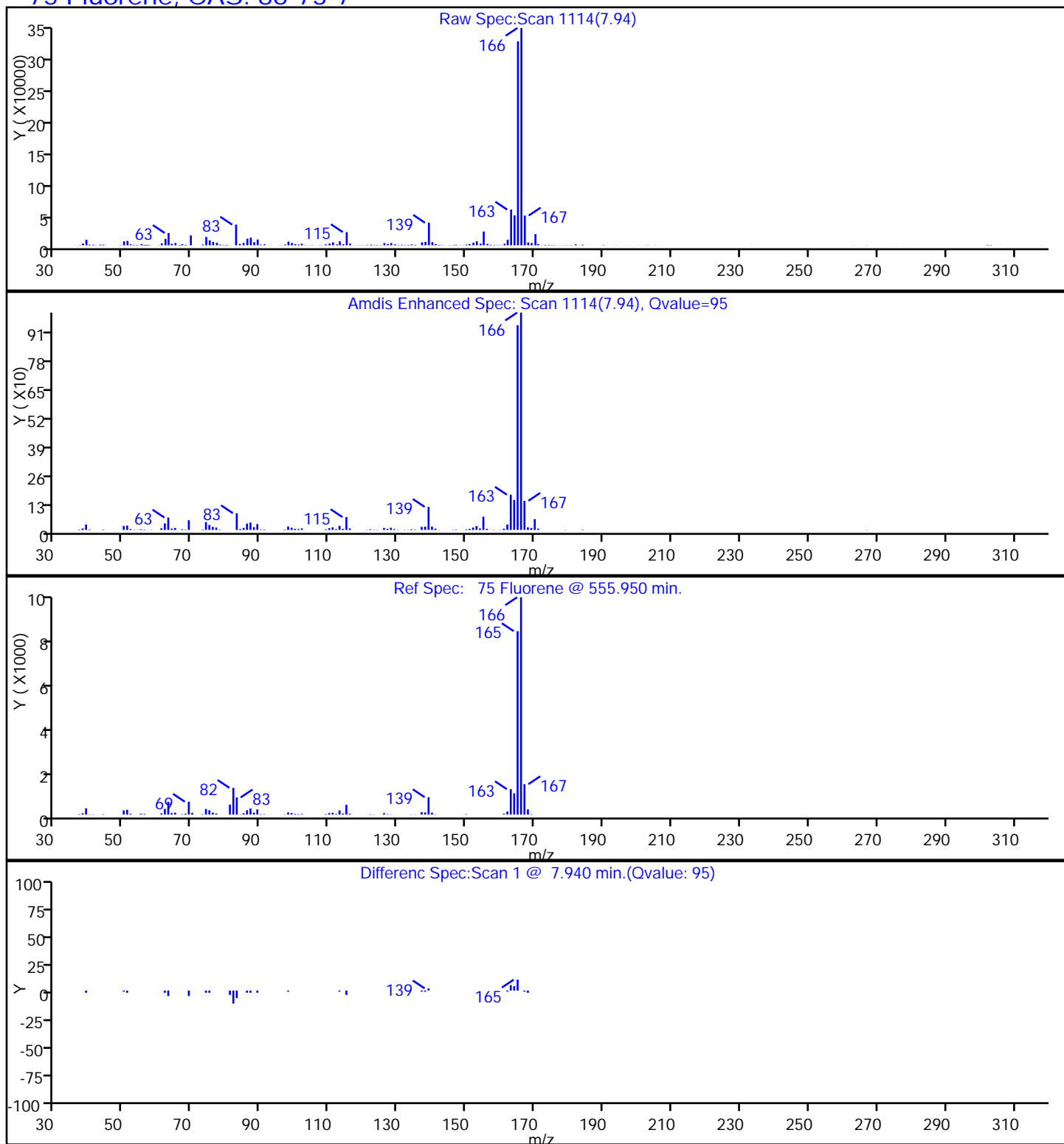
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

75 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

14

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

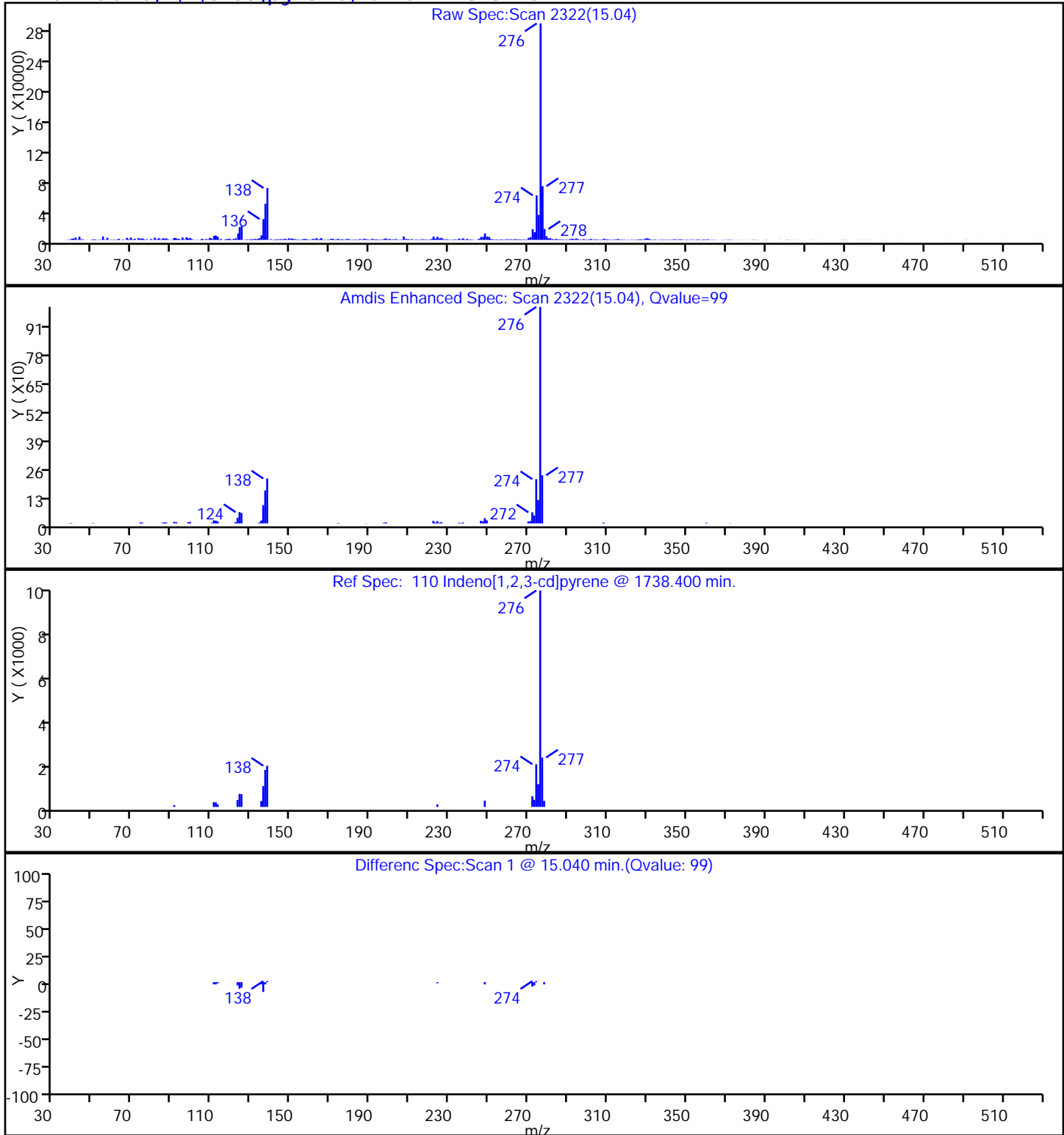
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#: 14 Worklist Smp#: 14

Injection Vol: 1.0 ul

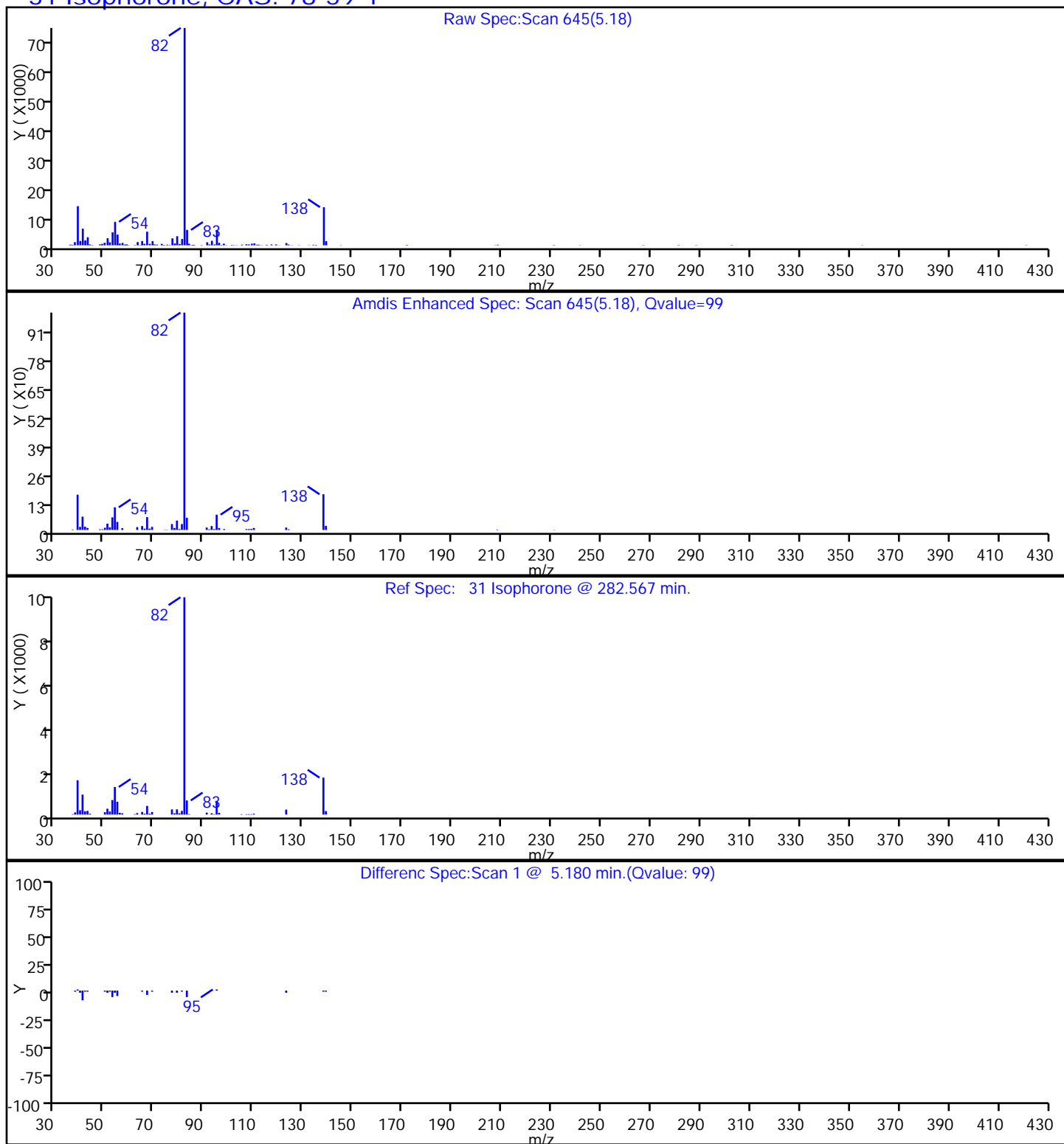
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

31 Isophorone, CAS: 78-59-1

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#: 14 Worklist Smp#: 14

Injection Vol: 1.0 ul

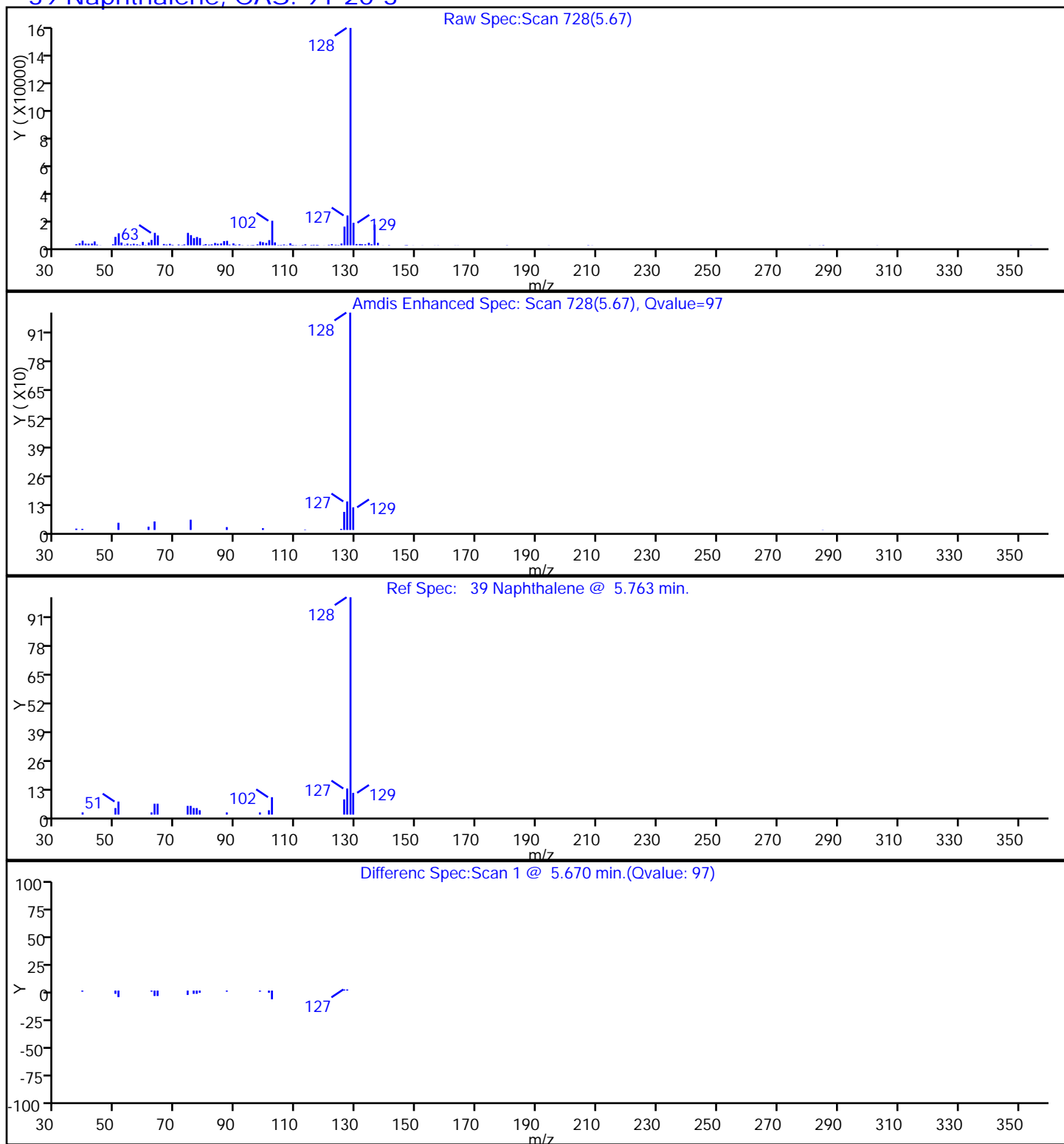
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

14

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

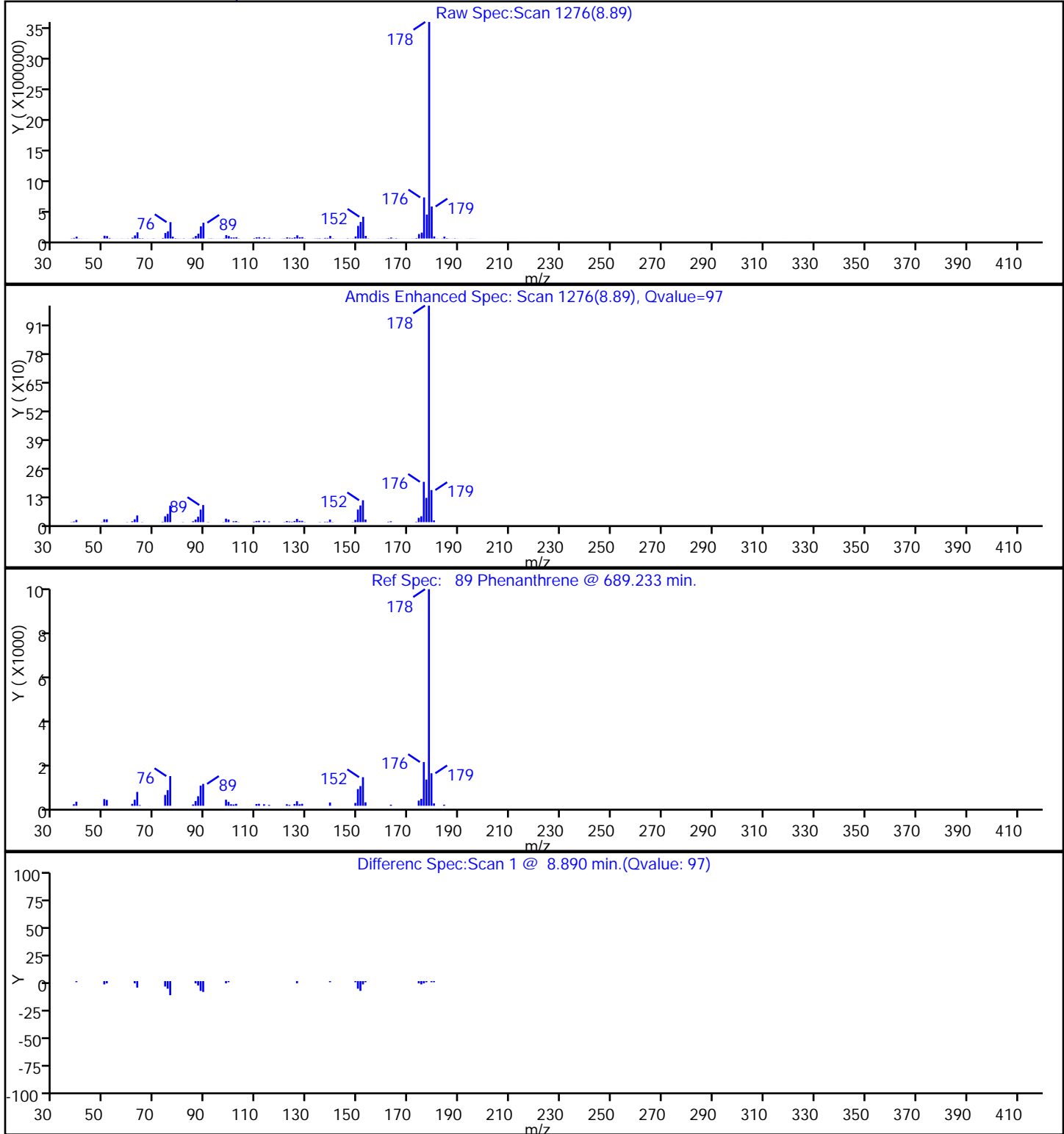
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

89 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12562.D

Injection Date: 05-Apr-2016 13:47:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-4-A

Lab Sample ID: 460-111539-4

Client ID: B4

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

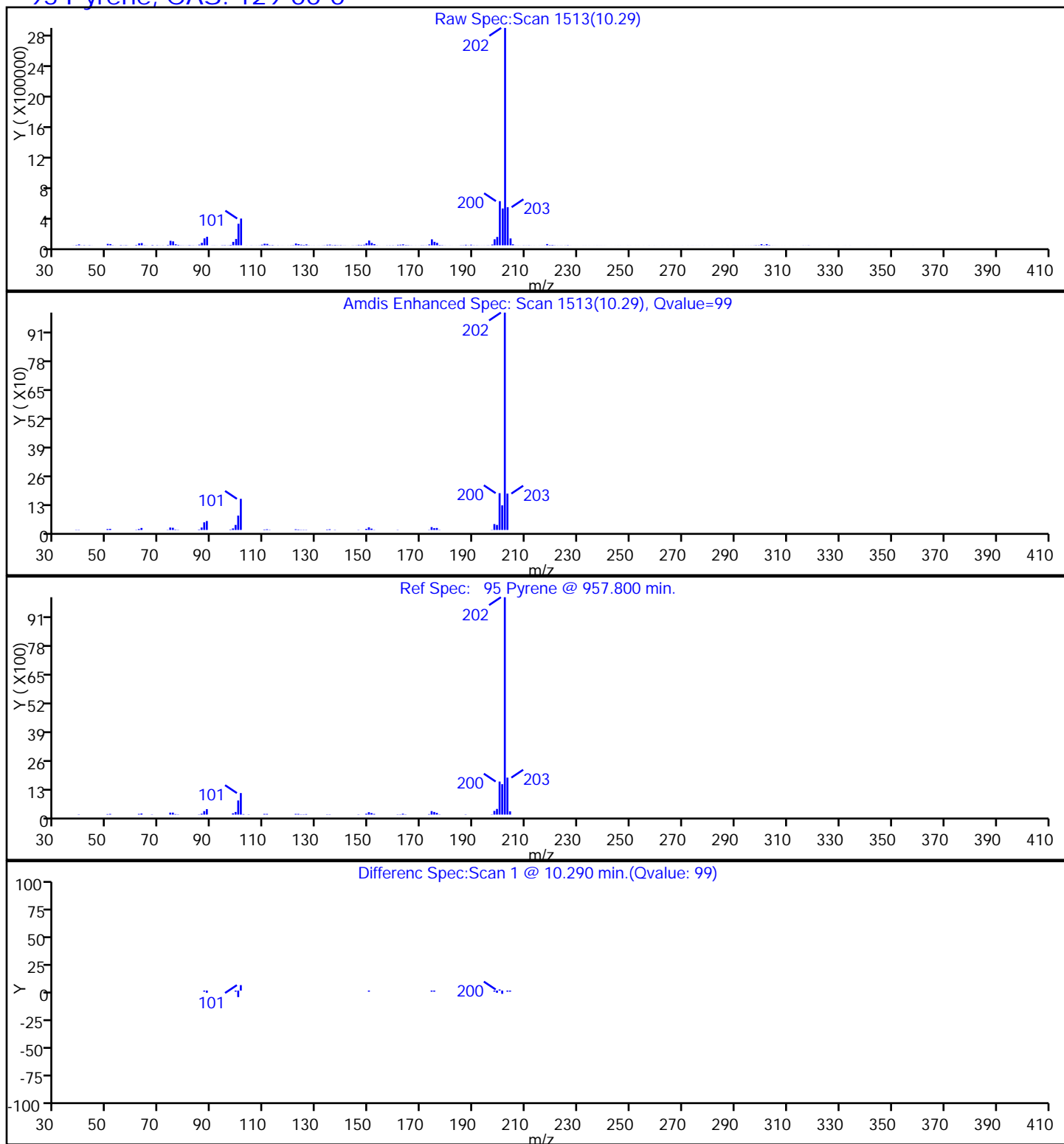
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

95 Pyrene, CAS: 129-00-0



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

Lab Name: TestAmerica Edison Job No.: 460-111539-1 Analy Batch No.: 359755

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-359755/10	x12339.D
Level 2	STD1 460-359755/9	x12338.D
Level 3	STD2 460-359755/8	x12337.D
Level 4	STD5 460-359755/7	x12336.D
Level 5	STD10 460-359755/6	x12335.D
Level 6	STD20 460-359755/5	x12334.D
Level 7	ICIS 460-359755/2	x12331.D
Level 8	STD80 460-359755/4	x12333.D
Level 9	STD120 460-359755/3	x12332.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.6602	0.7160	0.7027	0.5981 0.8053	0.6221	Ave		0.6841				10.9		20.0			
N-Nitrosodimethylamine	0.8699	0.9242	0.8991	0.8258 0.9782	0.8624	Ave		0.8933				6.0		20.0			
Pyridine	1.5680	1.6705	1.6242	1.4139 1.7683	1.5484	Ave		1.5989				7.5		20.0			
Phenol	1.6783	1.7618	1.7954	1.5559 1.8776	1.6683	Ave		1.7229			0.8000	6.5		20.0			
Aniline	1.9999	2.0995	2.0966	1.8647 2.2296	2.0044	Ave		2.0491				6.0		20.0			
Bis(2-chloroethyl)ether	1.2962 1.2904	1.3197 1.3456	1.2332 1.3331	1.2027 1.4298	1.2545	Ave		1.3006			0.7000	5.2		20.0			
2-Chlorophenol	1.3466	1.4131	1.4041	1.2719 1.4830	1.3425	Ave		1.3769			0.8000	5.3		20.0			
n-Decane	1.2316	1.3743	1.3571	1.1012 1.6365	1.1943	Ave		1.3158				14.3		20.0			
1,3-Dichlorobenzene	1.5560	1.6014	1.6139	1.4441 1.7303	1.5159	Ave		1.5769				6.2		20.0			
1,4-Dichlorobenzene	1.5776	1.6325	1.6410	1.4633 1.7611	1.5466	Ave		1.6037				6.3		20.0			
Benzyl alcohol	0.7757	0.8187	0.7900	0.7245 0.8383	0.7997	Ave		0.7912				5.0		20.0			
1,2-Dichlorobenzene	1.4436	1.5007	1.4971	1.3592 1.5947	1.4318	Ave		1.4712				5.4		20.0			
2-Methylphenol	1.1689	1.1919	1.1756	1.1102 1.2132	1.1696	Ave		1.1716			0.7000	2.9		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111539-1 Analy Batch No.: 359755
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	1.1738	1.2557	1.2332	1.0964 1.3686	1.1759	Ave		1.2173			0.0100	7.6		20.0			
3 & 4 Methylphenol	1.3441	1.3494	1.3546	1.2544 1.3379	1.3597	Ave		1.3333				3.0		20.0			
4-Methylphenol	1.3441	1.3494	1.3546	1.2544 1.3379	1.3597	Ave		1.3333			0.6000	3.0		20.0			
Acetophenone	1.7869	1.7688	1.7872	1.7016 1.7811	1.8085	Ave		1.7724			0.0100	2.1		20.0			
N-Nitrosodi-n-propylamine	0.9681 0.8939	0.9347 0.8506	0.8899 0.8462	0.8406 0.8596	0.9332	Ave		0.8908			0.5000	5.1		20.0			
Hexachloroethane	0.6076 0.5970	0.5771 0.6160	0.5853 0.6233	0.5504 0.6748	0.5914	Ave		0.6026			0.3000	5.8		20.0			
Nitrobenzene	0.6036 0.5749	0.5693 0.5915	0.5611 0.5875	0.5587 0.6443	0.5608	Ave		0.5835			0.2000	4.7		20.0			
n,n'-Dimethylaniline	1.8478 1.9602	1.8794 2.0588	1.8855 2.0052	1.8737 2.0061	1.9471	Ave		1.9404				3.8		20.0			
Isophorone	0.6149	0.5971	0.6294 0.5943	0.6107 0.6287	0.6161	Ave		0.6130			0.4000	2.2		20.0			
2-Nitrophenol	0.1853	0.1894	0.1916	0.1757 0.2042	0.1804	Ave		0.1878			0.1000	5.3		20.0			
2,4-Dimethylphenol	0.2960	0.2996	0.3047	0.2821 0.3235	0.2839	Ave		0.2983			0.2000	5.1		20.0			
Bis(2-chloroethoxy)methane	0.3695	0.3811	0.3810	0.3631 0.4181	0.3664	Ave		0.3799			0.3000	5.3		20.0			
Benzoic acid	0.1557	0.1540	0.1540	0.1193 0.1589	0.1378	Ave		0.1466				10.4		20.0			
2,4-Dichlorophenol	0.2717	0.2759	0.2524 0.2791	0.2558 0.2937	0.2709	Ave		0.2714			0.2000	5.2		20.0			
1,2,4-Trichlorobenzene	0.3095 0.3170	0.2997 0.3261	0.3008 0.3355	0.3105 0.3589	0.3123	Ave		0.3189				5.9		20.0			
Naphthalene	1.0117	1.0226	0.8580	0.9683 0.8203	1.0035	Ave		0.9474			0.7000	9.1		20.0			
4-Chloroaniline	0.3891	0.3879	0.4149	0.3674 0.4303	0.3824	Ave		0.3953			0.0100	5.8		20.0			
Hexachlorobutadiene	0.1902	0.1974 0.1913	0.1842 0.1955	0.1807 0.2152	0.1907	Ave		0.1932			0.0100	5.4		20.0			
4-Chloro-3-methylphenol	0.2603	0.2544	0.2592	0.2504 0.2648	0.2674	Ave		0.2594			0.2000	2.4		20.0			
2-Methylnaphthalene	0.6112	0.6192	0.6408	0.5884 0.6478	0.6201	Ave		0.6213			0.4000	3.4		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111539-1 Analy Batch No.: 359755
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1-Methylnaphthalene	0.5256	0.5168	0.5389	0.5104 0.5621	0.5196	Ave		0.5289				3.6		20.0			
Hexachlorocyclopentadiene	0.4262	0.4797	0.4841	0.3323 0.5374	0.3836	Ave		0.4406			0.0500	17.0		20.0			
1,2,4,5-Tetrachlorobenzene	0.6159	0.6740	0.6687	0.5653 0.7402	0.6083	Ave		0.6454			0.0100	9.6		20.0			
2-tertbutyl-4-methylphenol	0.4125	0.4089	0.4123	0.4019 0.4314	0.4024	Ave		0.4116				2.6		20.0			
2,4,6-Trichlorophenol	0.3886	0.4104	0.3669 0.4149	0.3572 0.4416	0.3766	Ave		0.3937			0.2000	7.6		20.0			
2,4,5-Trichlorophenol	0.3896	0.4054	0.4068	0.3564 0.4282	0.3846	Ave		0.3952			0.2000	6.2		20.0			
1,1'-Biphenyl	1.6468	1.7696	1.6477	1.4894 1.7016	1.5915	Ave		1.6411			0.0100	5.8		20.0			
2-Chloronaphthalene	1.2225	1.3146	1.3166	1.1229 1.4451	1.1989	Ave		1.2701			0.8000	8.9		20.0			
Phenyl ether	0.8313	0.8832	0.8750	0.7921 0.9496	0.8086	Ave		0.8566				6.8		20.0			
2-Nitroaniline	0.4418	0.4431	0.4387	0.4167 0.4787	0.4448	Ave		0.4440			0.0100	4.5		20.0			
1,3-Dimethylnaphthalene	1.0229	1.0887	0.9923	0.9620 1.0905	0.9741	Ave		1.0218				5.5		20.0			
Dimethyl phthalate	1.1512	1.1205	1.1620	1.1077 1.2068	1.1629	Ave		1.1518			0.0100	3.1		20.0			
Coumarin	0.1468	0.1325	0.1345	0.1529 0.1351	0.1533	Ave		0.1425				6.7		20.0			
2,6-Dinitrotoluene	0.2696	0.2387 0.2583	0.2574 0.2713	0.2529 0.2806	0.2644	Ave		0.2616			0.2000	4.9		20.0			
Acenaphthylene	1.6951	1.7443	1.7136	1.5809 1.7782	1.6681	Ave		1.6967			0.9000	4.0		20.0			
3-Nitroaniline	0.2709	0.2581	0.2603	0.2517 0.2774	0.2621	Ave		0.2634			0.0100	3.5		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.2003	1.2755	1.2582	1.0955 1.3640	1.1542	Ave		1.2246				7.8		20.0			
Acenaphthene	1.2573	1.1764	1.2048	1.1335 1.2664	1.2187	Ave		1.2095			0.9000	4.1		20.0			
2,4-Dinitrophenol	0.1426	0.1520	0.0691 0.1616	0.0973 0.1757	0.1281	Lin2	-0.395	0.1575			0.0100				0.9900		0.9900
4-Nitrophenol	0.2060	0.2008	0.2059	0.1738 0.2283	0.1956	Ave		0.2017			0.0100	8.8		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111539-1 Analy Batch No.: 359755
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,4-Dinitrotoluene	0.3130	0.2740 0.2949	0.3091 0.3073	0.2952 0.3270	0.3136	Ave		0.3043			0.2000	5.3		20.0			
Dibenzofuran	1.5027	1.5382	1.5728	1.3963 1.6283	1.4845	Ave		1.5205			0.8000	5.2		20.0			
2,3,4,6-Tetrachlorophenol	0.2697	0.2723	0.2732	0.2414 0.2894	0.2652	Ave		0.2685			0.0100	5.8		20.0			
Diethyl phthalate	1.0243	0.9850	1.0274	0.9966 1.0849	1.0622	Ave		1.0301			0.0100	3.7		20.0			
4-Chlorophenyl phenyl ether	0.5747	0.5645	0.5977	0.5365 0.6209	0.5704	Ave		0.5774			0.4000	5.0		20.0			
Fluorene	1.1922	1.1715	1.2150	1.0957 1.2751	1.1739	Ave		1.1872			0.9000	5.0		20.0			
4-Nitroaniline	0.2365	0.2225	0.2296	0.2155 0.2506	0.2378	Ave		0.2321			0.0100	5.3		20.0			
4,6-Dinitro-2-methylphenol	0.1430	0.1516	0.0868 0.1535	0.1155 0.1713	0.1276	Lin2	-0.296	0.1544			0.0100				0.9940		0.9900
N-Nitrosodiphenylamine	0.6593	0.6933	0.6168 0.6943	0.6049 0.7501	0.6290	Ave		0.6640			0.0100	7.8		20.0			
1,2-Diphenylhydrazine	0.9950	1.0606	1.0277	0.9142 1.1563	0.9427	Ave		1.0161				8.6		20.0			
4-Bromophenyl phenyl ether	0.2272	0.2452	0.2450	0.2137 0.2634	0.2208	Ave		0.2359			0.1000	7.9		20.0			
Hexachlorobenzene	0.2174 0.2339	0.2059 0.2425	0.2094 0.2454	0.2101 0.2683	0.2236	Ave		0.2285			0.1000	9.1		20.0			
Pentachlorophenol	0.1412	0.1527	0.1059 0.1545	0.1174 0.1708	0.1314	Ave		0.1391			0.0500	16.2		20.0			
Pentachloronitrobenzene	0.1026	0.1048	0.0912	0.0969 0.0990	0.0977	Ave		0.0987			0.0100	4.8		20.0			
n-Octadecane	0.4816	0.5788	0.5778	0.4221 0.6825	0.4591	Ave		0.5337				18.1		20.0			
Phenanthrene	1.1200	1.1688	1.1481	1.0420 1.2800	1.0889	Ave		1.1413			0.7000	7.1		20.0			
Anthracene	1.1305	1.1864	1.1823	1.0498 1.2692	1.0960	Ave		1.1524			0.7000	6.7		20.0			
Carbazole	0.8869	0.9076	0.9016	0.8249 1.0184	0.8664	Ave		0.9010			0.0100	7.2		20.0			
Di-n-butyl phthalate	1.0702	1.1116	1.1288	0.9503 1.2524	1.0486	Ave		1.0937			0.0100	9.1		20.0			
Fluoranthene	0.9050	0.9354	0.9517	0.7837 1.0805	0.9071	Ave		0.9272			0.6000	10.3		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111539-1 Analy Batch No.: 359755
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzidine	0.3716	0.3964	0.4731	0.2710 0.5574	0.3610	Qua	0.2654	0.2901	0.0022106						1.0000		0.9900
Pyrene	1.7190	1.6685	1.6970	1.7544 1.6756	1.7352	Ave		1.7083			0.6000	2.0		20.0			
Bisphenol-A	0.5810	0.6611	0.6726	0.8635 0.6718	0.6067	Ave		0.6761				14.7		20.0			
Butyl benzyl phthalate	0.6469	0.6442	0.6516	0.6258 0.6849	0.6453	Ave		0.6498			0.0100	3.0		20.0			
2,3,7,8-TCDD		0.1445				Ave		0.1445						20.0			
Carbamazepine	0.4969	0.5188	0.5068	0.4508 0.5926	0.4724	Ave		0.5064				9.6		20.0			
3,3'-Dichlorobenzidine	0.3870	0.4293	0.3323 0.4385	0.3639 0.4697	0.3831	Ave		0.4005			0.0100	11.9		20.0			
Benzo[a]anthracene	1.4338 1.1981	1.3464 1.2127	1.2542 1.2031	1.1436 1.3063	1.1969	Ave		1.2550			0.8000	7.3		20.0			
Bis(2-ethylhexyl) phthalate	0.8155	0.8505	0.8675	0.7622 0.9607	0.8327	Ave		0.8482			0.0100	7.8		20.0			
Chrysene	1.0877	1.1202	1.1010	1.0352 1.2156	1.0995	Ave		1.1099			0.7000	5.3		20.0			
Di-n-octyl phthalate	1.6647	1.5718	1.6398	1.4776 1.7438	1.6480	Ave		1.6243			0.0100	5.6		20.0			
Benzo[b]fluoranthene	1.4402 1.2456	1.2746 1.1827	1.2673 1.2167	1.1330 1.3036	1.1737	Ave		1.2486			0.7000	7.2		20.0			
Benzo[k]fluoranthene	1.5063 1.2999	1.4158 1.2069	1.3745 1.2411	1.2126 1.3223	1.3041	Ave		1.3204			0.7000	7.5		20.0			
Benzo[a]pyrene	1.2706 1.1258	1.1396 1.1127	1.1515 1.1313	1.0464 1.2217	1.1112	Ave		1.1456			0.7000	5.7		20.0			
Indeno[1,2,3-cd]pyrene	1.2486 0.8644	0.9293 0.9556	1.0276 0.9744	0.8895 1.0402	0.7743	Ave		0.9671			0.5000	13.9		20.0			
Dibenz(a,h)anthracene	1.1815 0.8984	0.9659 0.9502	1.0829 0.9750	0.8753 +++++	0.8405	Ave		0.9827			0.4000	11.3		20.0			
Benzo[g,h,i]perylene	0.9606	0.9901	1.0164	0.9633 1.0959	0.8829	Ave		0.9848			0.5000	7.2		20.0			
2-Fluorophenol (Surr)	1.2232 1.3486	1.4067 1.5925	1.3895 1.5205	1.9270	1.3857	Ave		1.4742				14.5		20.0			
Phenol-d5 (Surr)	1.4304 1.5258	1.6899 1.7513	1.6404 1.6619	1.9278	1.6215	Ave		1.6561				8.9		20.0			
Nitrobenzene-d5 (Surr)	0.3744 0.3923	0.3749 0.4459	0.4396 0.4194	0.4244 0.5219	0.4051	Ave		0.4220				10.8		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111539-1 Analy Batch No.: 359755

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

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								
	LVL 6	LVL 7	LVL 8	LVL 9													
2-Fluorobiphenyl	1.2744 1.4319	1.2581 1.6783	1.5068 1.6334	1.4505 1.8326	1.4548	Ave		1.5023				12.4		20.0			
2,4,6-Tribromophenol (Surr)	0.1316	0.1106 0.1442	0.1405 0.1477	0.1358 0.1716	0.1425	Ave		0.1406				12.1		20.0			
Terphenyl-d14 (Surr)	1.0615 1.0964	1.1156 1.2066	1.2387 1.1955	1.1965 1.3468	1.1651	Ave		1.1803				7.2		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111539-1 Analy Batch No.: 359755

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-359755/10	x12339.D
Level 2	STD1 460-359755/9	x12338.D
Level 3	STD2 460-359755/8	x12337.D
Level 4	STD5 460-359755/7	x12336.D
Level 5	STD10 460-359755/6	x12335.D
Level 6	STD20 460-359755/5	x12334.D
Level 7	ICIS 460-359755/2	x12331.D
Level 8	STD80 460-359755/4	x12333.D
Level 9	STD120 460-359755/3	x12332.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Ave	693333	1722344	2576479	171828 3479374	329741	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCB	Ave	913585	2223114	3296507	237242 4226372	457116	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCB	Ave	1646799	4018349	5955083	406207 7640324	820713	20.0	50.0	80.0	5.00 120	10.0
Phenol	DCB	Ave	1762588	4237912	6582962	446981 8112861	884296	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCB	Ave	2100345	5050120	7687296	535716 9633705	1062410	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCB	Ave	35798 1355215	72876 3236821	128710 4887697	345518 6178005	664919	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCB	Ave	1414244	3399128	5148253	365397 6407811	711590	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCB	Ave	1293436	3305747	4975918	316355 7070750	633043	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCB	Ave	1634231	3852086	5917503	414864 7476096	803476	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCB	Ave	1656892	3926921	6016604	420389 7609155	819778	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCB	Ave	814717	1969284	2896611	208135 3622296	423876	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCB	Ave	1516085	3609820	5489183	390484 6890140	758897	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCB	Ave	1227668	2867085	4310381	318956 5242094	619947	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	1232779	3020468	4521554	314995 5913543	623262	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-111539-1 Analy Batch No.: 359755

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3 & 4 Methylphenol	DCB	Ave	1411659	3245807	4966585	360388 5780641	720702	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCB	Ave	1411659	3245807	4966585	360388 5780641	720702	20.0	50.0	80.0	5.00 120	10.0
Acetophenone	DCB	Ave	1876688	4254787	6552696	488855 7695755	958592	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCB	Ave	26737 938828	51616 2046145	92874 3102722	241486 3713957	494647	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Hexachloroethane	DCB	Ave	16781 627047	31871 1481725	61088 2285356	158124 2915845	313469	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	NPT	Ave	57675 2106486	110785 4769232	206385 7209991	547564 8696674	1057836	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCB	Ave	51031 2058678	103787 4952375	196788 7352009	538303 8667868	1032051	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	2253129	4814820	7293377	598523 8485948	1162085	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	679138	1526919	2351503	172171 2756090	340243	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	1084651	2415920	3739101	276467 4365694	535551	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	1353974	3072770	4675934	355875 5643440	691096	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Ave	570637	1242128	1889898	116900 2144612	259928	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	995657	2224512	3425372	92851 250730 3964309	511017	20.0	50.0	2.00 80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	29573 1161676	58307 2629691	110626 4117379	304331 4843829	589080	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	3706982	8245471	10530138	949001 11071897	1892875	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	1425544	3127537	5091644	360100 5807423	721405	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	697088	1542124	2399853	38413 67762 2904295	359772	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	953657	2051557	3180874	245384 3574359	504365	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	2239478	4993032	7863677	576715 8743967	1169736	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	1925667	4167023	6614169	500273 7587247	980047	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Ave	652992	1480414	2360004	142736 2709006	315101	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-111539-1 Analy Batch No.: 359755

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,2,4,5-Tetrachlorobenzene	ANT	Ave	943553	2079957	3259708	242821 3731371	499730	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	1511422	3296801	5060065	393942 5822853	758950	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	595360	1266406	56919 2022420	153433 2226073	309360	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	596843	1251192	1983119	153064 2158288	315929	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	2523160	5460781	8031723	639690 8577311	1307481	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	1873017	4056643	6417856	482294 7284335	984909	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	1273693	2725389	4265274	340192 4786483	664278	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	676846	1367304	2138483	178986 2413128	365399	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	1567235	3359650	4836898	413179 5497143	800293	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	1763840	3457834	5664227	475753 6083156	955340	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	537709	1068726	1651241	149880 1823785	289192	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	413023	21177 797085	39924 1322258	108637 1414287	217178	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	2597158	5382759	8353015	679009 8963359	1370379	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	415082	796561	1268971	108120 1398424	215313	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	1839039	3936077	6133012	470516 6875466	948195	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	1926255	3630246	5872681	486860 6383524	1001232	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Lin2	436935	938415	21425 1575198	83609 1771731	210501	40.0	100	4.00 160	10.0 240	20.0
4-Nitrophenol	ANT	Ave	631159	1239427	2007309	149284 2301622	321365	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Ave	479620	24308 910083	47943 1498047	126798 1648195	257664	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	2302380	4746878	7666906	599723 8207872	1219561	20.0	50.0	80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	413274	840259	1331709	103663 1459001	217877	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-111539-1 Analy Batch No.: 359755

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Diethyl phthalate	ANT	Ave	1569365	3039706	5008249	428059 5468625	872664	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	880435	1742073	2913488	230441 3129628	468566	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	1826619	3615278	5922336	470595 6427386	964366	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	362344	686685	1119003	92566 1263226	195364	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	525098	1043003	33494 1757314	119199 1963588	261577	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	2420542	4770845	238097 7950599	624519 8595925	1289756	40.0	100	4.00 160	10.0 240	20.0
1,2-Diphenylhydrazine	PHN	Ave	1826320	3648979	5884394	471914 6625711	966555	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	417125	843733	1402889	110329 1509319	226399	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	10938 429425	22280 834304	40411 1404952	108472 1537183	229270	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	Ave	518534	1050582	40897 1769200	121163 1957817	269460	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	188352	360507	522308	50043 567244	100185	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	884021	1991517	3307974	217916 3910739	470681	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	2055805	4021182	6573536	537898 7334278	1116361	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	2075051	4081971	6769586	541904 7272315	1123694	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	1628070	3122797	5162059	425844 5835291	888322	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	1964526	3824430	6462862	490585 7176300	1075095	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	1661208	3218392	5448921	404586 6191323	930015	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Qua	682168	1363692	2708644	139913 3193642	370152	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	1659136	3189678	5349772	412222 6230431	917886	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Ave	560731	1263788	2120316	202906 2497939	320946	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	624421	1231493	2054111	147041 2546684	341348	20.0	50.0	80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-111539-1 Analy Batch No.: 359755

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,3,7,8-TCDD	CRY	Ave		2763					0.500			
Carbamazepine	CRY	Ave	479597	991701	1597808	2203541	249914	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	373517	820619	29694 1382242	85516 1746422	202669	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	32324 1156353	68227 2318246	112087 3792829	268709 4857269	633180	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	787146	1625803	2734901	179094 3572419	440503	20.0	50.0	80.0	5.00 120	10.0
Chrysene	CRY	Ave	1049780	2141520	3470963	243233 4520277	581656	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	1122556	2493001	4090204	253805 5698917	605100	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	23165 839949	44486 1875887	81310 3034706	194603 4260387	430948	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	24228 876555	49413 1914166	88189 3095590	208274 4321497	478849	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	20438 759166	39774 1764773	73880 2821708	179725 3992563	408003	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	20084 582890	32434 1515594	65935 2430382	152791 3399500	284315	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Ave	19004 605829	33712 1507039	69478 2431956	150337 +++++	308622	0.500 20.0	1.00 50.0	2.00 80.0	5.00 +++++	10.0
Benzo[g,h,i]perylene	PRY	Ave	647738	1570269	2535241	165456 3581538	324162	20.0	50.0	80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCB	Ave	1416324	67547 3830744	146812 5574742	399173 8325897	734488	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Phenol-d5 (Surr)	DCB	Ave	1602502	78991 4212629	176374 6093203	471265 8329513	859474	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5 (Surr)	NPT	Ave	35777 1437342	72941 3595457	161685 5147240	415925 7043909	764089	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	52131 2193870	111630 5179155	233738 7962203	623003 9237936	1195132	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	9810 201672	21789 444901	58345 719731	117048 865153		20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14 (Surr)	CRY	Ave	23931 1058219	56528 2306551	110708 3768878	281139 5008133	616357	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0

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

Lab Name: TestAmerica Edison Job No.: 460-111539-1 Analy Batch No.: 359755
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/31/2016 04:19 Calibration End Date: 03/31/2016 07:35 Calibration ID: 55117

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12331.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 7
 Inject. Date: 31-Mar-2016 04:19:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-002
 Misc. Info.: ICIS
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 09:54:58 Calib Date: 31-Mar-2016 08:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12342.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczecha

Date: 31-Mar-2016 09:54:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.863	1.863	0.000	91	1722344	50.0	52.3	
2 N-Nitrosodimethylamine	74	2.099	2.099	0.000	88	2223114	50.0	51.7	
3 Pyridine	79	2.128	2.128	0.000	97	4018349	50.0	52.2	
\$ 4 2-Fluorophenol	112	3.263	3.263	0.000	96	3830744	50.0	54.0	
\$ 6 Phenol-d5	99	4.175	4.175	0.000	99	4212629	50.0	52.9	
7 Phenol	94	4.193	4.193	0.000	98	4237912	50.0	51.1	
8 Aniline	93	4.222	4.222	0.000	100	5050120	50.0	51.2	
9 Bis(2-chloroethyl)ether	93	4.281	4.281	0.000	99	3236821	50.0	51.7	
10 Benzonitrile	103	4.310	4.310	0.000	66	6341468	NC	NC	
11 2-Chlorophenol	128	4.340	4.340	0.000	95	3399128	50.0	51.3	
12 n-Decane	43	4.387	4.387	0.000	86	3305747	50.0	52.2	
13 1,3-Dichlorobenzene	146	4.493	4.493	0.000	94	3852086	50.0	50.8	
* 14 1,4-Dichlorobenzene-d4	152	4.546	4.546	0.000	98	1924346	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.563	4.563	0.000	93	3926921	50.0	50.9	
16 Benzyl alcohol	108	4.681	4.681	0.000	92	1969284	50.0	51.7	
17 1,2-Dichlorobenzene	146	4.716	4.716	0.000	94	3609820	50.0	51.0	
18 2-Methylphenol	108	4.793	4.793	0.000	88	2867085	50.0	50.9	
19 2,2'-oxybis[1-chloropropan	45	4.816	4.816	0.000	88	3020468	50.0	51.6	
20 N-Methylaniline	106	4.940	4.940	0.000	83	4955008	NC	NC	
21 Acetophenone	105	4.951	4.951	0.000	93	4254787	50.0	49.9	
23 3 & 4 Methylphenol	108	4.951	4.951	0.000	79	3245807	50.0	50.6	
24 4-Methylphenol	108	4.951	4.951	0.000	83	3245807	50.0	50.6	
22 N-Nitrosodi-n-propylamine	70	4.957	4.957	0.000	86	2046145	50.0	47.7	
25 Hexachloroethane	117	5.057	5.057	0.000	95	1481725	50.0	51.1	
\$ 26 Nitrobenzene-d5	82	5.104	5.104	0.000	87	3595457	50.0	52.8	
28 Nitrobenzene	77	5.128	5.128	0.000	97	4769232	50.0	50.7	
27 n,n'-Dimethylaniline	120	5.128	5.128	0.000	88	4952375	50.0	53.1	
31 Isophorone	82	5.369	5.369	0.000	99	4814820	50.0	48.7	
32 2-Nitrophenol	139	5.440	5.440	0.000	87	1526919	50.0	50.4	
33 2,4-Dimethylphenol	122	5.481	5.481	0.000	89	2415920	50.0	50.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.575	5.575	0.000	99	3072770	50.0	50.2	
35 Benzoic acid	122	5.610	5.610	0.000	86	1242128	50.0	52.5	
36 2,4-Dichlorophenol	162	5.681	5.681	0.000	95	2224512	50.0	50.8	
37 1,2,4-Trichlorobenzene	180	5.769	5.769	0.000	94	2629691	50.0	51.1	
* 38 Naphthalene-d8	136	5.828	5.828	0.000	99	6450559	40.0	40.0	
39 Naphthalene	128	5.845	5.845	0.000	100	8245471	50.0	54.0	
40 4-Chloroaniline	127	5.898	5.898	0.000	96	3127537	50.0	49.1	
41 Hexachlorobutadiene	225	5.975	5.975	0.000	94	1542124	50.0	49.5	
43 4-Chloro-3-methylphenol	107	6.375	6.375	0.000	95	2051557	50.0	49.0	
44 2-Methylnaphthalene	142	6.540	6.540	0.000	86	4993032	50.0	49.8	
45 1-Methylnaphthalene	142	6.640	6.640	0.000	93	4167023	50.0	48.9	
46 Hexachlorocyclopentadiene	237	6.704	6.704	0.000	95	1480414	50.0	54.4	
47 1,2,4,5-Tetrachlorobenzene	216	6.710	6.710	0.000	96	2079957	50.0	52.2	
48 2-tertbutyl-4-methylphenol	149	6.734	6.734	0.000	90	3296801	50.0	49.7	
49 2,4,6-Trichlorophenol	196	6.816	6.816	0.000	87	1266406	50.0	52.1	
50 2,4,5-Trichlorophenol	196	6.851	6.851	0.000	94	1251192	50.0	51.3	
\$ 51 2-Fluorobiphenyl	172	6.904	6.904	0.000	98	5179155	50.0	55.9	
52 1,1'-Biphenyl	154	7.004	7.004	0.000	94	5460781	50.0	54.0	
53 2-Chloronaphthalene	162	7.028	7.028	0.000	97	4056643	50.0	51.8	
54 Phenyl ether	170	7.110	7.110	0.000	87	2725389	50.0	51.5	
56 2-Nitroaniline	65	7.122	7.122	0.000	96	1367304	50.0	49.9	
57 1,3-Dimethylnaphthalene	156	7.240	7.240	0.000	92	3359650	50.0	53.3	
58 Dimethyl phthalate	163	7.310	7.310	0.000	99	3457834	50.0	48.6	
59 Coumarin	146	7.328	7.328	0.000	74	1068726	50.0	46.5	
60 2,6-Dinitrotoluene	165	7.363	7.363	0.000	94	797085	50.0	49.4	
61 Acenaphthylene	152	7.434	7.434	0.000	98	5382759	50.0	51.4	
64 3-Nitroaniline	138	7.528	7.528	0.000	93	796561	50.0	49.0	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	92	2468764	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.592	7.592	0.000	97	3936077	50.0	52.1	
67 Acenaphthene	154	7.610	7.610	0.000	93	3630246	50.0	48.6	
68 2,4-Dinitrophenol	184	7.628	7.628	0.000	94	938415	100.0	99.1	
69 4-Nitrophenol	65	7.687	7.687	0.000	93	1239427	100.0	99.5	
70 2,4-Dinitrotoluene	165	7.757	7.757	0.000	92	910083	50.0	48.5	
71 Dibenzofuran	168	7.781	7.781	0.000	95	4746878	50.0	50.6	
72 2,3,4,6-Tetrachlorophenol	232	7.898	7.898	0.000	92	840259	50.0	50.7	
73 Diethyl phthalate	149	8.004	8.004	0.000	98	3039706	50.0	47.8	
75 Fluorene	166	8.116	8.116	0.000	96	3615278	50.0	49.3	
74 4-Chlorophenyl phenyl ethe	204	8.116	8.116	0.000	87	1742073	50.0	48.9	
76 4-Nitroaniline	138	8.134	8.134	0.000	90	686685	50.0	47.9	
77 4,6-Dinitro-2-methylphenol	198	8.163	8.163	0.000	84	1043003	100.0	100.1	
78 N-Nitrosodiphenylamine	169	8.234	8.234	0.000	66	4770845	100.0	104.4	
79 1,2-Diphenylhydrazine	77	8.269	8.269	0.000	97	3648979	50.0	52.2	
\$ 80 2,4,6-Tribromophenol	330	8.357	8.357	0.000	93	444901	50.0	51.3	
81 4-Bromophenyl phenyl ether	248	8.592	8.592	0.000	85	843733	50.0	52.0	
83 Hexachlorobenzene	284	8.663	8.663	0.000	99	834304	50.0	53.1	
85 Pentachlorophenol	266	8.857	8.857	0.000	91	1050582	100.0	109.7	
86 Pentachloronitrobenzene	237	8.869	8.869	0.000	85	360507	50.0	53.1	
87 n-Octadecane	57	8.928	8.928	0.000	91	1991517	50.0	54.2	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	2752461	40.0	40.0	
89 Phenanthrene	178	9.063	9.063	0.000	97	4021182	50.0	51.2	
90 Anthracene	178	9.116	9.116	0.000	99	4081971	50.0	51.5	
91 Carbazole	167	9.269	9.269	0.000	96	3122797	50.0	50.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Di-n-butyl phthalate	149	9.610	9.610	0.000	99	3824430	50.0	50.8	
93 Fluoranthene	202	10.239	10.239	0.000	98	3218392	50.0	50.4	
94 Benzidine	184	10.369	10.369	0.000	99	1363692	50.0	49.1	
95 Pyrene	202	10.475	10.475	0.000	98	3189678	50.0	48.8	
82 Bisphenol-A	213	10.510	10.510	0.000	99	1263788	50.0	48.9	
\$ 96 Terphenyl-d14	244	10.633	10.633	0.000	99	2306551	50.0	51.1	
97 Butyl benzyl phthalate	149	11.175	11.175	0.000	98	1231493	50.0	49.6	
98 2,3,7,8-TCDD	320	11.292	11.292	0.000	54	2763	0.5000	0.5000	
99 Carbamazepine	193	11.304	11.304	0.000	91	991701	50.0	51.2	
100 3,3'-Dichlorobenzidine	252	11.822	11.822	0.000	99	820619	50.0	53.6	
101 Benzo[a]anthracene	228	11.857	11.857	0.000	98	2318246	50.0	48.3	
* 102 Chrysene-d12	240	11.869	11.869	0.000	99	1529350	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.892	11.892	0.000	89	1625803	50.0	50.1	
103 Chrysene	228	11.904	11.904	0.000	99	2141520	50.0	50.5	
105 Di-n-octyl phthalate	149	12.780	12.780	0.000	97	2493001	50.0	48.4	
106 Benzo[b]fluoranthene	252	13.310	13.310	0.000	99	1875887	50.0	47.4	
107 Benzo[k]fluoranthene	252	13.345	13.345	0.000	99	1914166	50.0	45.7	
108 Benzo[a]pyrene	252	13.768	13.768	0.000	98	1764773	50.0	48.6	
* 109 Perylene-d12	264	13.845	13.845	0.000	99	1268837	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.468	15.468	0.000	99	1515594	50.0	49.4	
111 Dibenz(a,h)anthracene	278	15.510	15.510	0.000	97	1507039	50.0	48.3	
112 Benzo[g,h,i]perylene	276	15.927	15.927	0.000	90	1570269	50.0	50.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12331.D

Injection Date: 31-Mar-2016 04:19:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: ics

Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul

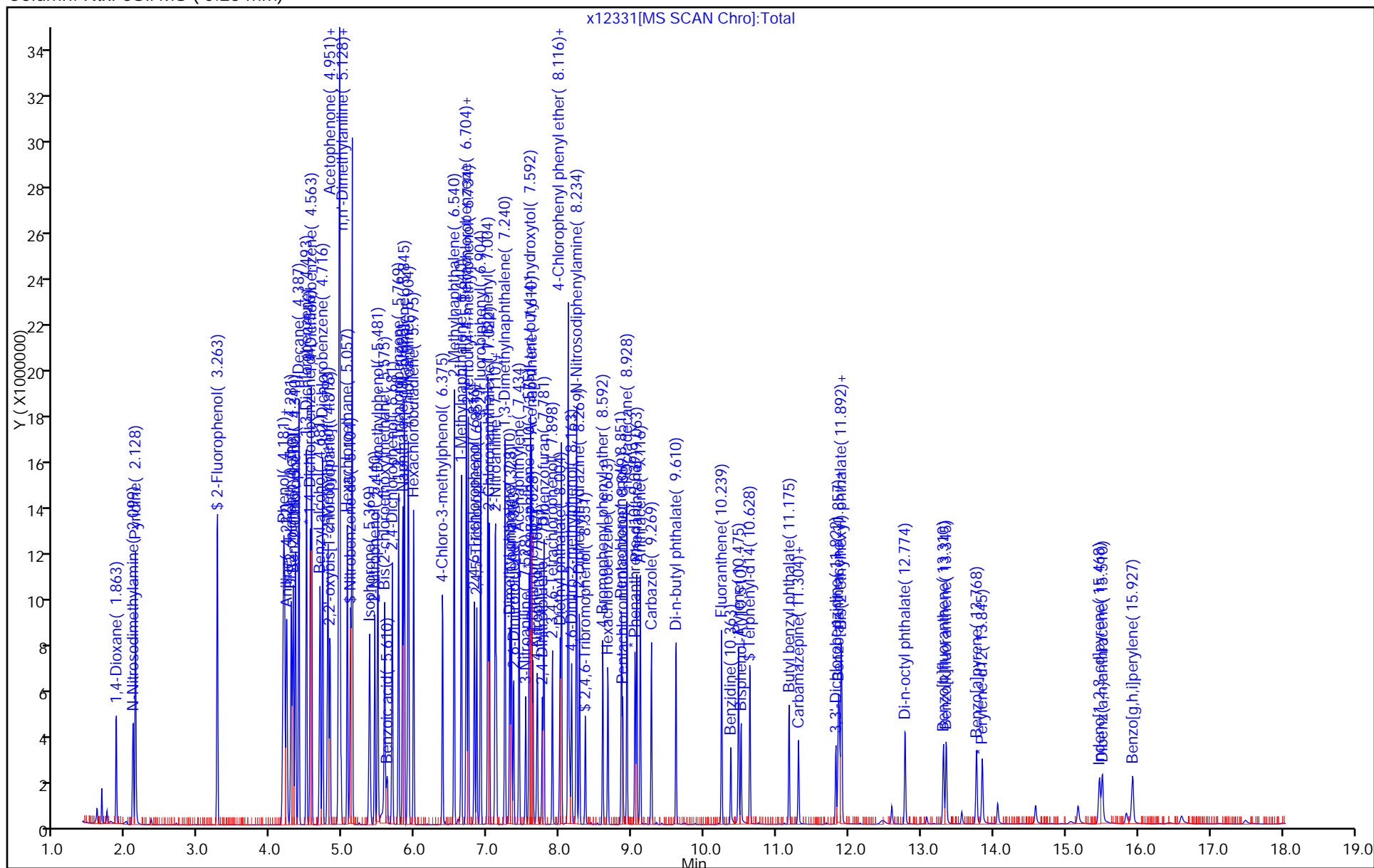
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12332.D
 Lims ID: std120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 31-Mar-2016 04:44:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-003
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 09:56:46 Calib Date: 31-Mar-2016 08:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12342.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczecha

Date: 31-Mar-2016 09:56:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.851	1.863	-0.012	91	3479374	120.0	141.3	
2 N-Nitrosodimethylamine	74	2.098	2.099	-0.001	89	4226372	120.0	131.4	
3 Pyridine	79	2.122	2.128	-0.006	97	7640324	120.0	132.7	
\$ 4 2-Fluorophenol	112	3.263	3.263	0.000	95	8325897	120.0	156.9	
\$ 6 Phenol-d5	99	4.192	4.175	0.017	99	8329513	120.0	139.7	
7 Phenol	94	4.210	4.193	0.017	98	8112861	120.0	130.8	
8 Aniline	93	4.234	4.222	0.012	99	9633705	120.0	130.6	
9 Bis(2-chloroethyl)ether	93	4.292	4.281	0.011	99	6178005	120.0	131.9	
10 Benzonitrile	103	4.328	4.310	0.018	65	11719197	NC	NC	
11 2-Chlorophenol	128	4.351	4.340	0.011	96	6407811	120.0	129.3	
12 n-Decane	43	4.392	4.387	0.005	87	7070750	120.0	149.2	
13 1,3-Dichlorobenzene	146	4.498	4.493	0.005	94	7476096	120.0	131.7	
* 14 1,4-Dichlorobenzene-d4	152	4.551	4.546	0.005	97	1440254	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.569	4.563	0.006	92	7609155	120.0	131.8	
16 Benzyl alcohol	108	4.698	4.681	0.017	91	3622296	120.0	127.2	
17 1,2-Dichlorobenzene	146	4.722	4.716	0.006	94	6890140	120.0	130.1	
18 2-Methylphenol	108	4.804	4.793	0.011	89	5242094	120.0	124.3	
19 2,2'-oxybis[1-chloropropan	45	4.822	4.816	0.006	89	5913543	120.0	134.9	
20 N-Methylaniline	106	4.945	4.940	0.005	82	8981615	NC	NC	
21 Acetophenone	105	4.963	4.951	0.012	95	7695755	120.0	120.6	
23 3 & 4 Methylphenol	108	4.969	4.951	0.018	95	5780641	120.0	120.4	
24 4-Methylphenol	108	4.969	4.951	0.018	96	5780641	120.0	120.4	
22 N-Nitrosodi-n-propylamine	70	4.992	4.957	0.035	85	3713957	120.0	115.8	
25 Hexachloroethane	117	5.063	5.057	0.006	96	2915845	120.0	134.4	
\$ 26 Nitrobenzene-d5	82	5.116	5.104	0.012	87	7043909	120.0	148.3	
28 Nitrobenzene	77	5.139	5.128	0.011	87	8696674	120.0	132.4	
27 n,n'-Dimethylaniline	120	5.139	5.139	0.000	86	8667868	120.0	124.1	
31 Isophorone	82	5.387	5.369	0.017	99	8485948	120.0	123.0	
32 2-Nitrophenol	139	5.445	5.440	0.005	88	2756090	120.0	130.5	
33 2,4-Dimethylphenol	122	5.492	5.481	0.011	89	4365694	120.0	130.1	
34 Bis(2-chloroethoxy)methane	93	5.586	5.575	0.011	98	5643440	120.0	132.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.657	5.610	0.047	87	2144612	120.0	130.0	
36 2,4-Dichlorophenol	162	5.692	5.681	0.011	95	3964309	120.0	129.8	
37 1,2,4-Trichlorobenzene	180	5.775	5.769	0.006	94	4843829	120.0	135.0	
* 38 Naphthalene-d8	136	5.828	5.828	0.000	99	4499034	40.0	40.0	
39 Naphthalene	128	5.851	5.851	0.000	97	11071897	120.0	104.0	
40 4-Chloroaniline	127	5.910	5.898	0.012	96	5807423	120.0	130.6	
41 Hexachlorobutadiene	225	5.981	5.975	0.006	95	2904295	120.0	133.6	
43 4-Chloro-3-methylphenol	107	6.386	6.375	0.011	96	3574359	120.0	122.5	
44 2-Methylnaphthalene	142	6.545	6.540	0.005	83	8743967	120.0	125.1	e
45 1-Methylnaphthalene	142	6.645	6.640	0.005	90	7587247	120.0	127.5	
46 Hexachlorocyclopentadiene	237	6.710	6.704	0.006	96	2709006	120.0	146.4	
47 1,2,4,5-Tetrachlorobenzene	216	6.716	6.710	0.006	96	3731371	120.0	137.6	
48 2-tertbutyl-4-methylphenol	149	6.739	6.734	0.005	90	5822853	120.0	125.8	
49 2,4,6-Trichlorophenol	196	6.822	6.816	0.006	87	2226073	120.0	134.6	
50 2,4,5-Trichlorophenol	196	6.857	6.851	0.006	94	2158288	120.0	130.0	
\$ 51 2-Fluorobiphenyl	172	6.910	6.910	0.000	96	9237936	120.0	146.4	
52 1,1'-Biphenyl	154	7.010	7.010	0.000	96	8577311	120.0	124.4	
53 2-Chloronaphthalene	162	7.033	7.028	0.005	97	7284335	120.0	136.5	
54 Phenyl ether	170	7.110	7.110	0.000	85	4786483	120.0	133.0	
56 2-Nitroaniline	65	7.128	7.122	0.006	96	2413128	120.0	129.4	
57 1,3-Dimethylnaphthalene	156	7.245	7.240	0.005	93	5497143	120.0	128.1	
58 Dimethyl phthalate	163	7.316	7.310	0.006	99	6083156	120.0	125.7	
59 Coumarin	146	7.339	7.328	0.011	71	1823785	120.0	113.8	
60 2,6-Dinitrotoluene	165	7.369	7.363	0.006	95	1414287	120.0	128.7	
61 Acenaphthylene	152	7.439	7.439	0.000	97	8963359	120.0	125.8	
64 3-Nitroaniline	138	7.539	7.528	0.011	92	1398424	120.0	126.4	
* 65 Acenaphthene-d10	164	7.580	7.575	0.005	93	1680258	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.604	7.592	0.012	97	6875466	120.0	133.7	
67 Acenaphthene	154	7.616	7.610	0.006	93	6383524	120.0	125.6	
68 2,4-Dinitrophenol	184	7.639	7.628	0.011	95	1771731	240.0	270.4	
69 4-Nitrophenol	65	7.704	7.687	0.017	92	2301622	240.0	271.6	
70 2,4-Dinitrotoluene	165	7.769	7.757	0.012	93	1648195	120.0	129.0	
71 Dibenzofuran	168	7.786	7.786	0.000	95	8207872	120.0	128.5	
72 2,3,4,6-Tetrachlorophenol	232	7.904	7.898	0.006	92	1459001	120.0	129.3	
73 Diethyl phthalate	149	8.010	8.004	0.006	98	5468625	120.0	126.4	
75 Fluorene	166	8.122	8.116	0.006	96	6427386	120.0	128.9	
74 4-Chlorophenyl phenyl ethe	204	8.116	8.116	0.000	87	3129628	120.0	129.0	
76 4-Nitroaniline	138	8.151	8.134	0.017	90	1263226	120.0	129.6	
77 4,6-Dinitro-2-methylphenol	198	8.180	8.163	0.017	86	1963588	240.0	268.2	
78 N-Nitrosodiphenylamine	169	8.239	8.234	0.005	69	8595925	240.0	271.1	
79 1,2-Diphenylhydrazine	77	8.280	8.269	0.011	97	6625711	120.0	136.6	
\$ 80 2,4,6-Tribromophenol	330	8.363	8.357	0.006	94	865153	120.0	146.5	
81 4-Bromophenyl phenyl ether	248	8.598	8.592	0.006	85	1509319	120.0	134.0	
83 Hexachlorobenzene	284	8.675	8.663	0.012	99	1537183	120.0	140.9	
85 Pentachlorophenol	266	8.863	8.857	0.006	93	1957817	240.0	294.7	
86 Pentachloronitrobenzene	237	8.875	8.869	0.006	86	567244	120.0	120.3	
87 n-Octadecane	57	8.933	8.928	0.005	91	3910739	120.0	153.5	
* 88 Phenanthrene-d10	188	9.045	9.039	0.006	98	1909986	40.0	40.0	
89 Phenanthrene	178	9.069	9.063	0.006	97	7334278	120.0	134.6	
90 Anthracene	178	9.122	9.116	0.006	99	7272315	120.0	132.2	e
91 Carbazole	167	9.274	9.269	0.005	96	5835291	120.0	135.6	
92 Di-n-butyl phthalate	149	9.610	9.610	0.000	99	7176300	120.0	137.4	e

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.245	10.239	0.006	98	6191323	120.0	139.8	
94 Benzidine	184	10.374	10.369	0.005	99	3193642	120.0	120.0	
95 Pyrene	202	10.480	10.475	0.005	98	6230431	120.0	117.7	
82 Bisphenol-A	213	10.516	10.510	0.006	99	2497939	120.0	119.2	
\$ 96 Terphenyl-d14	244	10.639	10.633	0.006	99	5008133	120.0	136.9	
97 Butyl benzyl phthalate	149	11.180	11.175	0.005	98	2546684	120.0	126.5	
99 Carbamazepine	193	11.316	11.304	0.012	92	2203541	120.0	140.4	
100 3,3'-Dichlorobenzidine	252	11.827	11.822	0.005	100	1746422	120.0	140.7	
101 Benzo[a]anthracene	228	11.863	11.857	0.006	98	4857269	120.0	124.9	
* 102 Chrysene-d12	240	11.874	11.869	0.005	99	1239471	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.898	11.892	0.006	91	3572419	120.0	135.9	
103 Chrysene	228	11.910	11.904	0.006	99	4520277	120.0	131.4	
105 Di-n-octyl phthalate	149	12.780	12.780	0.000	97	5698917	120.0	128.8	
106 Benzo[b]fluoranthene	252	13.321	13.310	0.011	99	4260387	120.0	125.3	
107 Benzo[k]fluoranthene	252	13.362	13.345	0.017	100	4321497	120.0	120.2	
108 Benzo[a]pyrene	252	13.780	13.768	0.012	97	3992563	120.0	128.0	
* 109 Perylene-d12	264	13.851	13.845	0.006	98	1089387	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.486	15.468	0.018	99	3399500	120.0	129.1	
111 Dibenz(a,h)anthracene	278	15.527	15.510	0.017	98	3512023	120.0	132.8	
112 Benzo[g,h,i]perylene	276	15.951	15.927	0.024	98	3581538	120.0	133.5	
S 119 Total Cresols	1				0			244.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

e - Potential Peak Saturated

Reagents:

SV_IC_BNA_L8_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12332.D

Injection Date: 31-Mar-2016 04:44:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std120

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

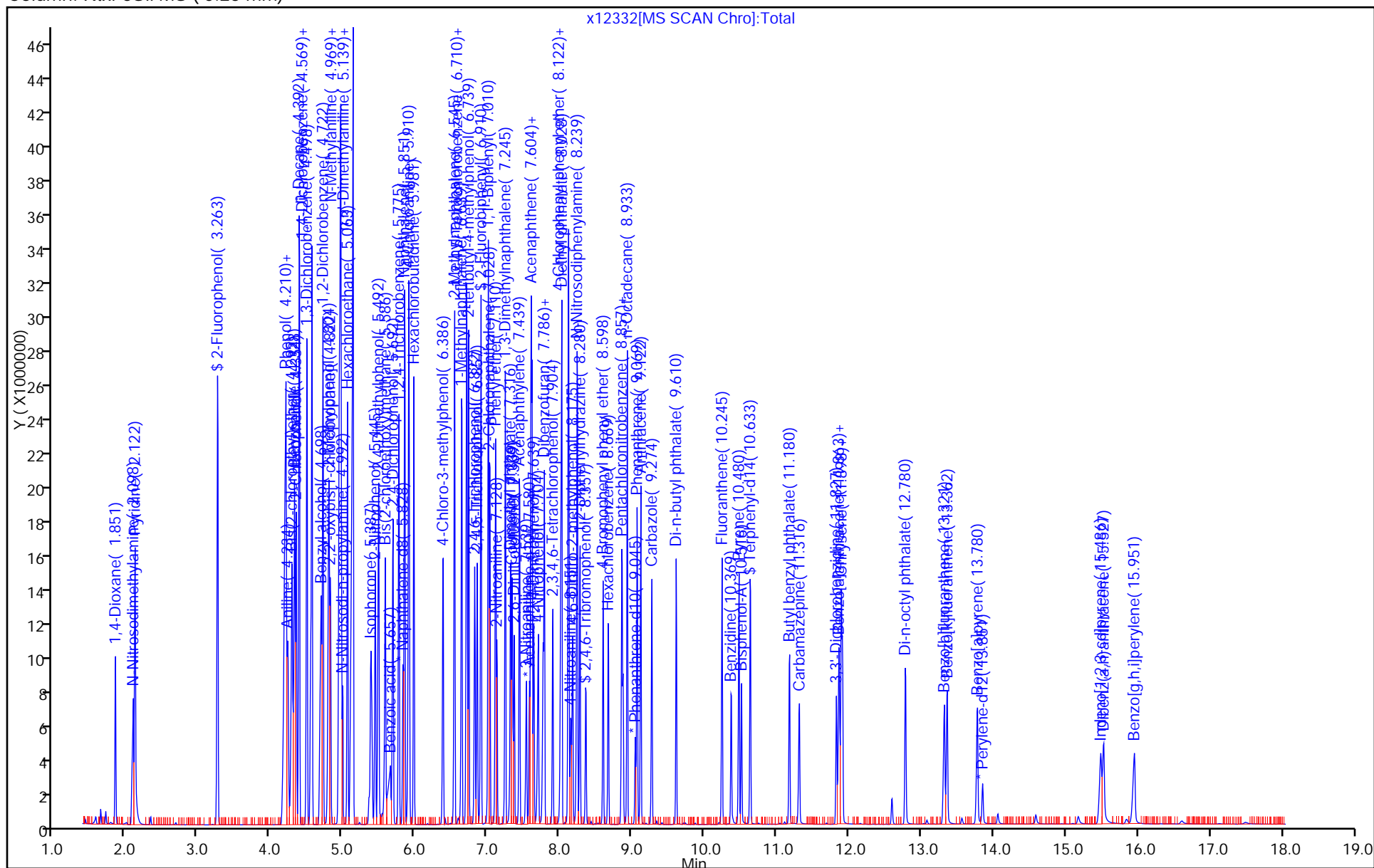
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12333.D
 Lims ID: std80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 31-Mar-2016 05:09:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-004
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 09:58:26 Calib Date: 31-Mar-2016 08:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12342.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczecha

Date: 31-Mar-2016 09:58:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.858	1.863	-0.005	90	2576479	80.0	82.2	
2 N-Nitrosodimethylamine	74	2.099	2.099	0.000	89	3296507	80.0	80.5	
3 Pyridine	79	2.128	2.128	0.000	96	5955083	80.0	81.3	
\$ 4 2-Fluorophenol	112	3.263	3.263	0.000	96	5574742	80.0	82.5	
\$ 6 Phenol-d5	99	4.187	4.175	0.012	98	6093203	80.0	80.3	
7 Phenol	94	4.204	4.193	0.011	96	6582962	80.0	83.4	
8 Aniline	93	4.228	4.222	0.006	97	7687296	80.0	81.9	
9 Bis(2-chloroethyl)ether	93	4.287	4.281	0.006	99	4887697	80.0	82.0	
10 Benzonitrile	103	4.322	4.310	0.012	65	9195054	NC	NC	
11 2-Chlorophenol	128	4.346	4.340	0.006	96	5148253	80.0	81.6	
12 n-Decane	43	4.393	4.387	0.006	86	4975918	80.0	82.5	
13 1,3-Dichlorobenzene	146	4.499	4.493	0.006	94	5917503	80.0	81.9	
* 14 1,4-Dichlorobenzene-d4	152	4.551	4.546	0.005	98	1833241	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.569	4.563	0.006	93	6016604	80.0	81.9	
16 Benzyl alcohol	108	4.693	4.681	0.012	92	2896611	80.0	79.9	
17 1,2-Dichlorobenzene	146	4.722	4.716	0.006	94	5489183	80.0	81.4	
18 2-Methylphenol	108	4.799	4.793	0.006	90	4310381	80.0	80.3	
19 2,2'-oxybis[1-chloropropan	45	4.822	4.816	0.006	88	4521554	80.0	81.0	
20 N-Methylaniline	106	4.946	4.940	0.006	83	7225113	NC	NC	
21 Acetophenone	105	4.963	4.951	0.012	95	6552696	80.0	80.7	
23 3 & 4 Methylphenol	108	4.963	4.951	0.012	87	4966585	80.0	81.3	
24 4-Methylphenol	108	4.963	4.951	0.012	86	4966585	80.0	81.3	
22 N-Nitrosodi-n-propylamine	70	4.987	4.957	0.030	84	3102722	80.0	76.0	
25 Hexachloroethane	117	5.063	5.057	0.006	96	2285356	80.0	82.8	
\$ 26 Nitrobenzene-d5	82	5.110	5.104	0.006	88	5147240	80.0	79.5	
28 Nitrobenzene	77	5.134	5.128	0.006	95	7209991	80.0	80.5	
27 n,n'-Dimethylaniline	120	5.134	5.134	0.000	88	7352009	80.0	82.7	
31 Isophorone	82	5.381	5.369	0.012	99	7293377	80.0	77.5	
32 2-Nitrophenol	139	5.446	5.440	0.006	89	2351503	80.0	81.6	
33 2,4-Dimethylphenol	122	5.487	5.481	0.006	89	3739101	80.0	81.7	
34 Bis(2-chloroethoxy)methane	93	5.581	5.575	0.006	99	4675934	80.0	80.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.646	5.610	0.036	87	1889898	80.0	84.0	
36 2,4-Dichlorophenol	162	5.687	5.681	0.006	95	3425372	80.0	82.2	
37 1,2,4-Trichlorobenzene	180	5.769	5.769	0.000	94	4117379	80.0	84.1	
* 38 Naphthalene-d8	136	5.828	5.828	0.000	99	6136224	40.0	40.0	
39 Naphthalene	128	5.846	5.846	0.000	97	10530138	80.0	72.4	
40 4-Chloroaniline	127	5.904	5.898	0.006	96	5091644	80.0	84.0	
41 Hexachlorobutadiene	225	5.981	5.975	0.006	95	2399853	80.0	80.9	
43 4-Chloro-3-methylphenol	107	6.381	6.375	0.006	96	3180874	80.0	79.9	
44 2-Methylnaphthalene	142	6.540	6.540	0.000	86	7863677	80.0	82.5	
45 1-Methylnaphthalene	142	6.640	6.640	0.000	93	6614169	80.0	81.5	
46 Hexachlorocyclopentadiene	237	6.710	6.704	0.006	96	2360004	80.0	87.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.710	6.710	0.000	96	3259708	80.0	82.9	
48 2-tertbutyl-4-methylphenol	149	6.740	6.734	0.006	90	5060065	80.0	80.1	
49 2,4,6-Trichlorophenol	196	6.822	6.816	0.006	88	2022420	80.0	84.3	
50 2,4,5-Trichlorophenol	196	6.857	6.851	0.006	96	1983119	80.0	82.4	
\$ 51 2-Fluorobiphenyl	172	6.910	6.910	0.000	98	7962203	80.0	87.0	
52 1,1'-Biphenyl	154	7.010	7.010	0.000	96	8031723	80.0	80.3	
53 2-Chloronaphthalene	162	7.028	7.028	0.000	97	6417856	80.0	82.9	
54 Phenyl ether	170	7.110	7.110	0.000	85	4265274	80.0	81.7	
56 2-Nitroaniline	65	7.128	7.122	0.006	96	2138483	80.0	79.1	
57 1,3-Dimethylnaphthalene	156	7.245	7.240	0.005	93	4836898	80.0	77.7	
58 Dimethyl phthalate	163	7.316	7.310	0.006	99	5664227	80.0	80.7	
59 Coumarin	146	7.334	7.328	0.006	76	1651241	80.0	75.5	
60 2,6-Dinitrotoluene	165	7.369	7.363	0.006	96	1322258	80.0	82.9	
61 Acenaphthylene	152	7.440	7.440	0.000	98	8353015	80.0	80.8	
64 3-Nitroaniline	138	7.534	7.528	0.006	92	1268971	80.0	79.1	
* 65 Acenaphthene-d10	164	7.581	7.575	0.006	93	2437270	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.598	7.592	0.006	97	6133012	80.0	82.2	
67 Acenaphthene	154	7.616	7.610	0.006	93	5872681	80.0	79.7	
68 2,4-Dinitrophenol	184	7.640	7.628	0.012	96	1575198	160.0	166.7	
69 4-Nitrophenol	65	7.698	7.687	0.011	91	2007309	160.0	163.3	
70 2,4-Dinitrotoluene	165	7.763	7.757	0.006	93	1498047	80.0	80.8	
71 Dibenzofuran	168	7.781	7.786	-0.005	95	7666906	80.0	82.8	
72 2,3,4,6-Tetrachlorophenol	232	7.898	7.898	0.000	96	1331709	80.0	81.4	
73 Diethyl phthalate	149	8.010	8.004	0.006	98	5008249	80.0	79.8	
75 Fluorene	166	8.122	8.116	0.006	96	5922336	80.0	81.9	
74 4-Chlorophenyl phenyl ethe	204	8.116	8.116	0.000	86	2913488	80.0	82.8	
76 4-Nitroaniline	138	8.145	8.134	0.011	90	1119003	80.0	79.1	
77 4,6-Dinitro-2-methylphenol	198	8.175	8.163	0.012	86	1757314	160.0	160.9	
78 N-Nitrosodiphenylamine	169	8.239	8.234	0.005	82	7950599	160.0	167.3	
79 1,2-Diphenylhydrazine	77	8.275	8.269	0.006	97	5884394	80.0	80.9	
\$ 80 2,4,6-Tribromophenol	330	8.357	8.357	0.000	93	719731	80.0	84.0	
81 4-Bromophenyl phenyl ether	248	8.598	8.592	0.006	86	1402889	80.0	83.1	
83 Hexachlorobenzene	284	8.669	8.663	0.006	99	1404952	80.0	85.9	
85 Pentachlorophenol	266	8.857	8.857	0.000	92	1769200	160.0	177.7	
86 Pentachloronitrobenzene	237	8.875	8.869	0.006	86	522308	80.0	73.9	
87 n-Octadecane	57	8.934	8.928	0.006	90	3307974	80.0	86.6	
* 88 Phenanthrene-d10	188	9.045	9.039	0.006	98	2862777	40.0	40.0	
89 Phenanthrene	178	9.069	9.063	0.006	97	6573536	80.0	80.5	
90 Anthracene	178	9.122	9.116	0.006	99	6769586	80.0	82.1	
91 Carbazole	167	9.275	9.269	0.006	96	5162059	80.0	80.1	
92 Di-n-butyl phthalate	149	9.610	9.610	0.000	99	6462862	80.0	82.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.245	10.239	0.006	98	5448921	80.0	82.1	
94 Benzidine	184	10.369	10.369	0.000	99	2708644	80.0	80.3	
95 Pyrene	202	10.475	10.475	0.000	98	5349772	80.0	79.5	
82 Bisphenol-A	213	10.510	10.510	0.000	99	2120316	80.0	79.6	
\$ 96 Terphenyl-d14	244	10.633	10.633	0.000	99	3768878	80.0	81.0	
97 Butyl benzyl phthalate	149	11.175	11.175	0.000	98	2054111	80.0	80.2	
99 Carbamazepine	193	11.310	11.304	0.006	91	1597808	80.0	80.1	
100 3,3'-Dichlorobenzidine	252	11.822	11.822	0.000	100	1382242	80.0	87.6	
101 Benzo[a]anthracene	228	11.857	11.857	0.000	98	3792829	80.0	76.7	
* 102 Chrysene-d12	240	11.875	11.869	0.006	99	1576281	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.892	11.892	0.000	87	2734901	80.0	81.8	
103 Chrysene	228	11.910	11.904	0.006	99	3470963	80.0	79.4	
105 Di-n-octyl phthalate	149	12.780	12.780	0.000	97	4090204	80.0	80.8	
106 Benzo[b]fluoranthene	252	13.316	13.310	0.006	99	3034706	80.0	78.0	
107 Benzo[k]fluoranthene	252	13.357	13.345	0.012	99	3095590	80.0	75.2	
108 Benzo[a]pyrene	252	13.774	13.768	0.006	97	2821708	80.0	79.0	
* 109 Perylene-d12	264	13.851	13.845	0.006	98	1247131	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.474	15.468	0.006	99	2430382	80.0	80.6	
111 Dibenz(a,h)anthracene	278	15.515	15.510	0.005	97	2431956	80.0	79.4	
112 Benzo[g,h,i]perylene	276	15.939	15.927	0.012	98	2535241	80.0	82.6	
S 119 Total Cresols	1				0			161.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

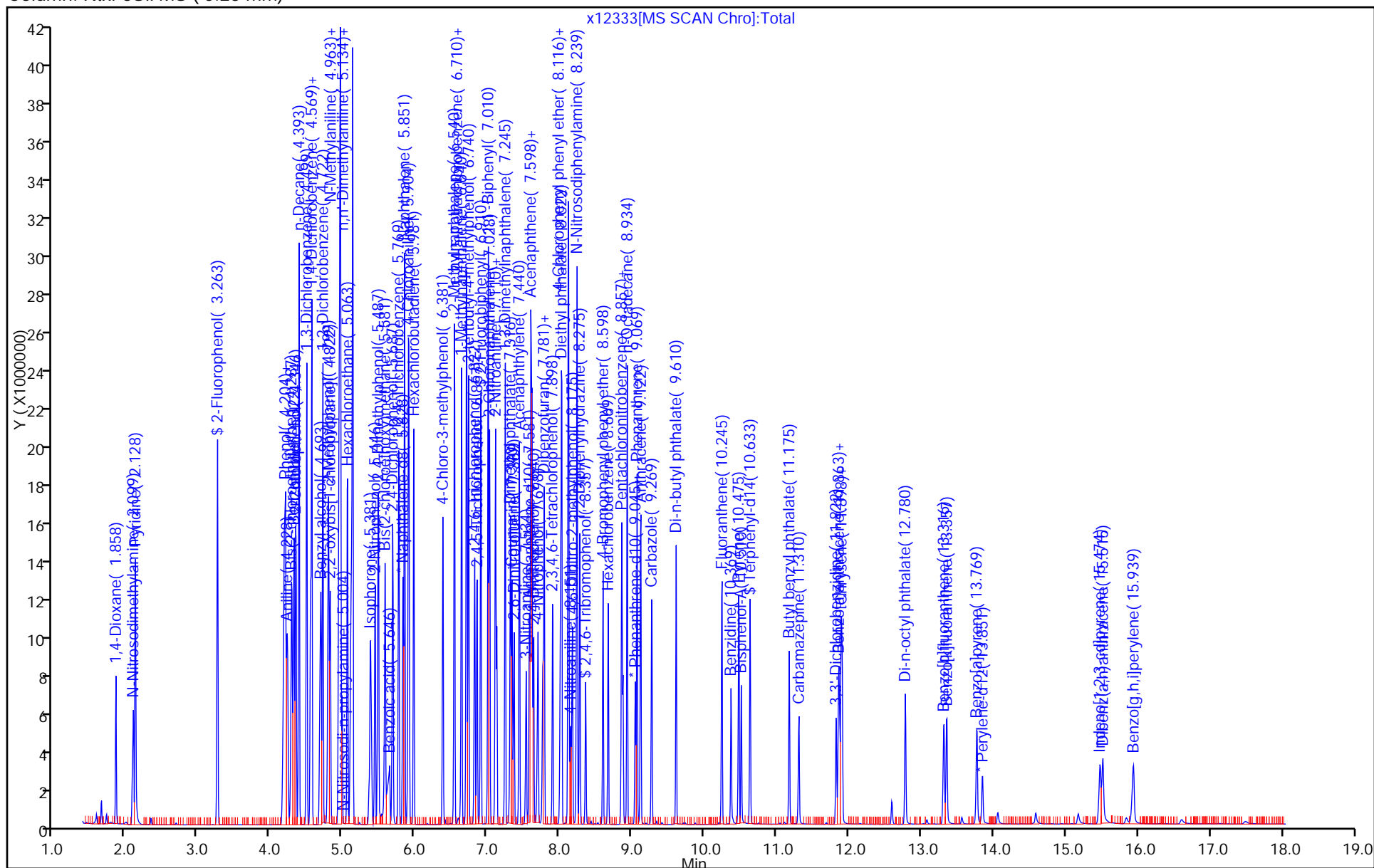
SV_IC_BNA_L7_00010

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12333.D		
Injection Date:	31-Mar-2016 05:09:30	Instrument ID:	CBNAMS5
Lims ID:	std80		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270D ICA
Column:	Rtxi-5Sil MS (0.25 mm)		

ALS Bottle#: 4



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12334.D
 Lims ID: std20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 31-Mar-2016 05:34:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-005
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 10:03:24 Calib Date: 31-Mar-2016 09:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12343.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczecha

Date: 31-Mar-2016 10:03:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.869	1.863	0.006	92	693333	20.0	19.3	
2 N-Nitrosodimethylamine	74	2.098	2.099	-0.001	89	913585	20.0	19.5	
3 Pyridine	79	2.134	2.128	0.006	96	1646799	20.0	19.6	
\$ 4 2-Fluorophenol	112	3.257	3.263	-0.006	94	1416324	20.0	18.3	
\$ 6 Phenol-d5	99	4.163	4.175	-0.012	94	1602502	20.0	18.4	
7 Phenol	94	4.175	4.193	-0.018	98	1762588	20.0	19.5	
8 Aniline	93	4.210	4.222	-0.012	99	2100345	20.0	19.5	
9 Bis(2-chloroethyl)ether	93	4.275	4.281	-0.006	100	1355215	20.0	19.8	
10 Benzonitrile	103	4.298	4.310	-0.012	66	2643017	NC	NC	
11 2-Chlorophenol	128	4.334	4.340	-0.006	94	1414244	20.0	19.6	
12 n-Decane	43	4.387	4.387	0.000	84	1293436	20.0	18.7	
13 1,3-Dichlorobenzene	146	4.492	4.493	-0.001	93	1634231	20.0	19.7	
* 14 1,4-Dichlorobenzene-d4	152	4.545	4.546	-0.001	98	2100487	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.563	4.563	0.000	93	1656892	20.0	19.7	
16 Benzyl alcohol	108	4.675	4.681	-0.006	91	814717	20.0	19.6	
17 1,2-Dichlorobenzene	146	4.716	4.716	0.000	93	1516085	20.0	19.6	
18 2-Methylphenol	108	4.787	4.793	-0.007	86	1227668	20.0	20.0	
19 2,2'-oxybis[1-chloropropan	45	4.816	4.816	0.000	85	1232779	20.0	19.3	
20 N-Methylaniline	106	4.934	4.940	-0.006	80	2125370	NC	NC	
21 Acetophenone	105	4.945	4.951	-0.006	92	1876688	20.0	20.2	
23 3 & 4 Methylphenol	108	4.939	4.951	-0.012	87	1411659	20.0	20.2	
24 4-Methylphenol	108	4.939	4.951	-0.012	82	1411659	20.0	20.2	
22 N-Nitrosodi-n-propylamine	70	4.945	4.957	-0.012	72	938828	20.0	20.1	
25 Hexachloroethane	117	5.057	5.057	0.000	94	627047	20.0	19.8	
\$ 26 Nitrobenzene-d5	82	5.098	5.104	-0.006	88	1437342	20.0	18.6	
28 Nitrobenzene	77	5.116	5.128	-0.012	94	2106486	20.0	19.7	
27 n,n'-Dimethylaniline	120	5.122	5.134	-0.012	93	2058678	20.0	20.2	
31 Isophorone	82	5.357	5.369	-0.012	99	2253129	20.0	20.1	
32 2-Nitrophenol	139	5.434	5.440	-0.006	89	679138	20.0	19.7	
33 2,4-Dimethylphenol	122	5.475	5.481	-0.006	88	1084651	20.0	19.8	
34 Bis(2-chloroethoxy)methane	93	5.575	5.575	0.000	99	1353974	20.0	19.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.575	5.610	-0.035	36	570637	20.0	21.2	
36 2,4-Dichlorophenol	162	5.675	5.681	-0.006	94	995657	20.0	20.0	
37 1,2,4-Trichlorobenzene	180	5.769	5.769	0.000	94	1161676	20.0	19.9	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	7328181	40.0	40.0	
39 Naphthalene	128	5.845	5.846	-0.001	99	3706982	20.0	21.4	
40 4-Chloroaniline	127	5.892	5.898	-0.006	96	1425544	20.0	19.7	
41 Hexachlorobutadiene	225	5.975	5.975	0.000	94	697088	20.0	19.7	
43 4-Chloro-3-methylphenol	107	6.375	6.375	0.000	95	953657	20.0	20.1	
44 2-Methylnaphthalene	142	6.539	6.540	-0.001	85	2239478	20.0	19.7	
45 1-Methylnaphthalene	142	6.633	6.640	-0.007	92	1925667	20.0	19.9	
46 Hexachlorocyclopentadiene	237	6.704	6.704	0.000	96	652992	20.0	19.3	
47 1,2,4,5-Tetrachlorobenzene	216	6.704	6.710	-0.006	95	943553	20.0	19.1	
48 2-tertbutyl-4-methylphenol	149	6.733	6.734	-0.001	90	1511422	20.0	20.0	
49 2,4,6-Trichlorophenol	196	6.816	6.816	0.000	87	595360	20.0	19.7	
50 2,4,5-Trichlorophenol	196	6.851	6.851	0.000	95	596843	20.0	19.7	
\$ 51 2-Fluorobiphenyl	172	6.904	6.910	-0.006	98	2193870	20.0	19.1	
52 1,1'-Biphenyl	154	7.004	7.010	-0.006	94	2523160	20.0	20.1	
53 2-Chloronaphthalene	162	7.022	7.028	-0.006	96	1873017	20.0	19.3	
54 Phenyl ether	170	7.104	7.110	-0.006	87	1273693	20.0	19.4	
56 2-Nitroaniline	65	7.116	7.122	-0.006	97	676846	20.0	19.9	
57 1,3-Dimethylnaphthalene	156	7.239	7.240	-0.001	92	1567235	20.0	20.0	
58 Dimethyl phthalate	163	7.304	7.310	-0.006	98	1763840	20.0	20.0	
59 Coumarin	146	7.328	7.328	0.000	72	537709	20.0	20.6	
60 2,6-Dinitrotoluene	165	7.357	7.363	-0.006	95	413023	20.0	20.6	
61 Acenaphthylene	152	7.433	7.440	-0.007	98	2597158	20.0	20.0	
64 3-Nitroaniline	138	7.522	7.528	-0.006	93	415082	20.0	20.6	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	92	3064229	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.592	7.592	0.000	96	1839039	20.0	19.6	
67 Acenaphthene	154	7.610	7.610	0.000	93	1926255	20.0	20.8	
68 2,4-Dinitrophenol	184	7.622	7.628	-0.006	96	436935	40.0	38.7	
69 4-Nitrophenol	65	7.680	7.687	-0.007	93	631159	40.0	40.8	
70 2,4-Dinitrotoluene	165	7.757	7.757	0.000	94	479620	20.0	20.6	
71 Dibenzofuran	168	7.775	7.786	-0.011	95	2302380	20.0	19.8	
72 2,3,4,6-Tetrachlorophenol	232	7.898	7.898	0.000	93	413274	20.0	20.1	
73 Diethyl phthalate	149	7.998	8.004	-0.006	98	1569365	20.0	19.9	
75 Fluorene	166	8.116	8.116	0.000	96	1826619	20.0	20.1	
74 4-Chlorophenyl phenyl ethe	204	8.110	8.116	-0.006	86	880435	20.0	19.9	
76 4-Nitroaniline	138	8.127	8.134	-0.007	89	362344	20.0	20.4	
77 4,6-Dinitro-2-methylphenol	198	8.157	8.163	-0.006	85	525098	40.0	39.0	
78 N-Nitrosodiphenylamine	169	8.227	8.234	-0.007	67	2420542	40.0	39.7	
79 1,2-Diphenylhydrazine	77	8.269	8.269	0.000	97	1826320	20.0	19.6	
\$ 80 2,4,6-Tribromophenol	330	8.351	8.357	-0.006	91	201672	20.0	18.7	
81 4-Bromophenyl phenyl ether	248	8.592	8.592	0.000	84	417125	20.0	19.3	
83 Hexachlorobenzene	284	8.663	8.663	0.000	98	429425	20.0	20.5	
85 Pentachlorophenol	266	8.851	8.857	-0.006	91	518534	40.0	40.6	
86 Pentachloronitrobenzene	237	8.869	8.869	0.000	86	188352	20.0	20.8	
87 n-Octadecane	57	8.927	8.928	-0.001	91	884021	20.0	18.0	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	3671166	40.0	40.0	
89 Phenanthrene	178	9.063	9.063	0.000	97	2055805	20.0	19.6	
90 Anthracene	178	9.116	9.116	0.000	99	2075051	20.0	19.6	
91 Carbazole	167	9.269	9.269	0.000	96	1628070	20.0	19.7	
92 Di-n-butyl phthalate	149	9.610	9.610	0.000	99	1964526	20.0	19.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.239	10.239	0.000	98	1661208	20.0	19.5	
94 Benzidine	184	10.369	10.369	-0.001	99	682168	20.0	21.3	
95 Pyrene	202	10.474	10.475	-0.001	98	1659136	20.0	20.1	
82 Bisphenol-A	213	10.510	10.510	0.000	96	560731	20.0	17.2	
\$ 96 Terphenyl-d14	244	10.633	10.633	0.000	99	1058219	20.0	18.6	
97 Butyl benzyl phthalate	149	11.174	11.175	-0.001	98	624421	20.0	19.9	
99 Carbamazepine	193	11.298	11.304	-0.006	91	479597	20.0	19.6	
100 3,3'-Dichlorobenzidine	252	11.821	11.822	-0.001	99	373517	20.0	19.3	
101 Benzo[a]anthracene	228	11.857	11.857	0.000	97	1156353	20.0	19.1	
* 102 Chrysene-d12	240	11.868	11.869	-0.001	99	1930360	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.892	11.892	0.000	89	787146	20.0	19.2	
103 Chrysene	228	11.904	11.904	0.000	99	1049780	20.0	19.6	
105 Di-n-octyl phthalate	149	12.780	12.780	0.000	97	1122556	20.0	20.5	
106 Benzo[b]fluoranthene	252	13.309	13.310	-0.001	98	839949	20.0	20.0	
107 Benzo[k]fluoranthene	252	13.345	13.345	0.000	99	876555	20.0	19.7	
108 Benzo[a]pyrene	252	13.762	13.768	-0.006	97	759166	20.0	19.7	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1348620	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.462	15.468	-0.006	99	582890	20.0	17.9	
111 Dibenz(a,h)anthracene	278	15.503	15.510	-0.007	97	605829	20.0	18.3	
112 Benzo[g,h,i]perylene	276	15.921	15.927	-0.006	98	647738	20.0	19.5	
S 119 Total Cresols	1				0			40.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

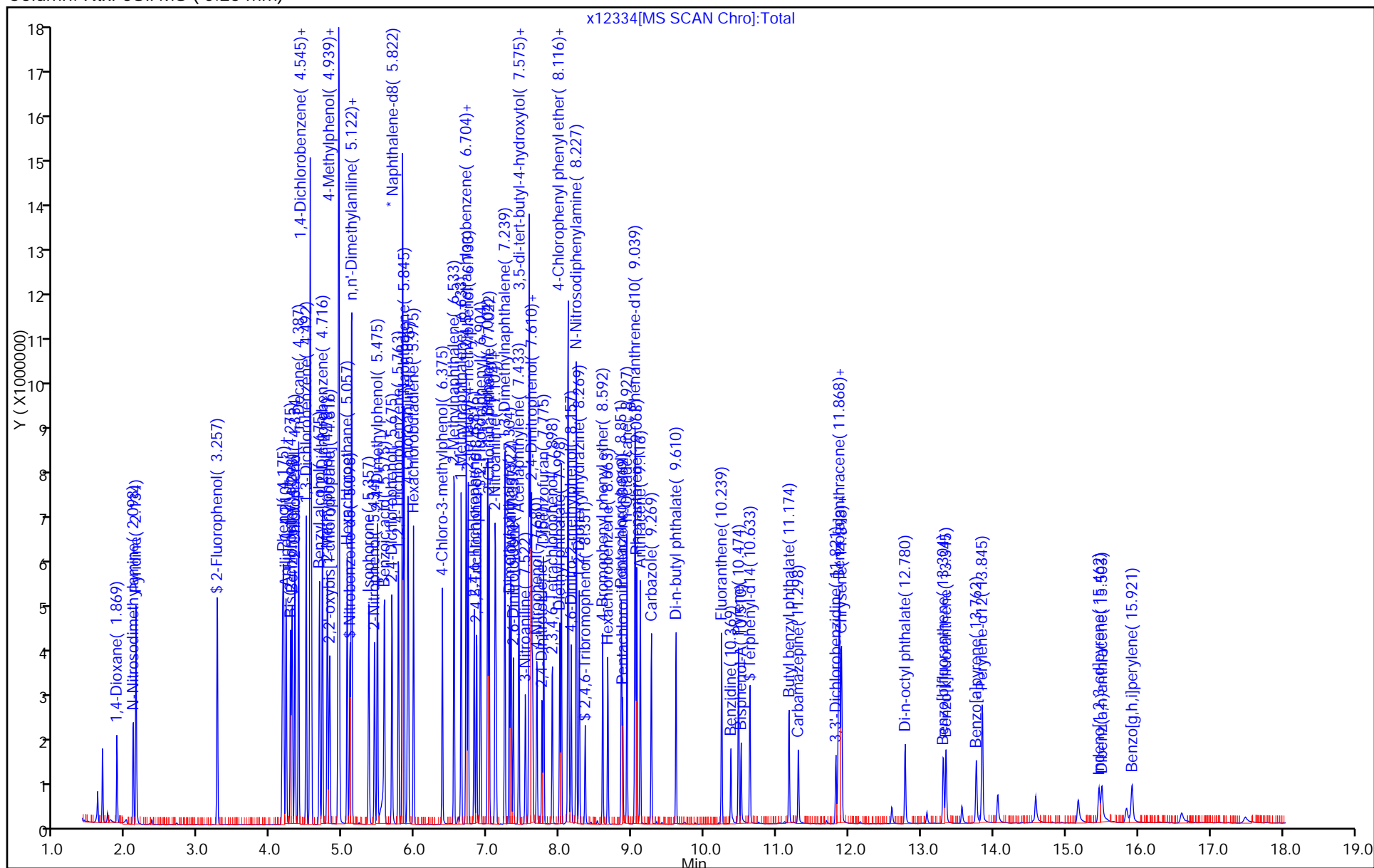
SV_IC_BNA_L5_00010

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAM5\\20160331-39236.b\\x12334.D		
Injection Date:	31-Mar-2016 05:34:30	Instrument ID:	CBNAM5
Lims ID:	std20		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270D ICA
Column:	Rtxi-5Sil MS (0.25 mm)		

ALS Bottle#: 5



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12335.D
 Lims ID: std10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 31-Mar-2016 05:58:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-006
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 09:59:03 Calib Date: 31-Mar-2016 08:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12342.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczecha

Date: 31-Mar-2016 09:59:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.869	1.863	0.006	94	329741	10.0	9.09	
2 N-Nitrosodimethylamine	74	2.093	2.099	-0.006	89	457116	10.0	9.65	
3 Pyridine	79	2.134	2.128	0.006	96	820713	10.0	9.68	
\$ 4 2-Fluorophenol	112	3.257	3.263	-0.006	94	734488	10.0	9.40	
\$ 6 Phenol-d5	99	4.157	4.175	-0.018	91	859474	10.0	9.79	
7 Phenol	94	4.169	4.193	-0.024	98	884296	10.0	9.68	
8 Aniline	93	4.210	4.222	-0.012	99	1062410	10.0	9.78	
9 Bis(2-chloroethyl)ether	93	4.269	4.281	-0.012	99	664919	10.0	9.65	
10 Benzonitrile	103	4.287	4.310	-0.023	66	1316786	NC	NC	
11 2-Chlorophenol	128	4.334	4.340	-0.006	94	711590	10.0	9.75	
12 n-Decane	43	4.387	4.387	0.000	83	633043	10.0	9.08	
13 1,3-Dichlorobenzene	146	4.487	4.493	-0.006	93	803476	10.0	9.61	
* 14 1,4-Dichlorobenzene-d4	152	4.546	4.546	0.000	98	2120192	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.557	4.563	-0.006	94	819778	10.0	9.64	
16 Benzyl alcohol	108	4.669	4.681	-0.012	91	423876	10.0	10.1	
17 1,2-Dichlorobenzene	146	4.716	4.716	0.000	93	758897	10.0	9.73	
18 2-Methylphenol	108	4.781	4.793	-0.012	86	619947	10.0	9.98	
19 2,2'-oxybis[1-chloropropan	45	4.810	4.816	-0.006	85	623262	10.0	9.66	
20 N-Methylaniline	106	4.934	4.940	-0.006	82	1046739	NC	NC	
21 Acetophenone	105	4.940	4.951	-0.011	92	958592	10.0	10.2	
23 3 & 4 Methylphenol	108	4.934	4.951	-0.017	86	720702	10.0	10.2	
24 4-Methylphenol	108	4.934	4.951	-0.017	81	720702	10.0	10.2	
22 N-Nitrosodi-n-propylamine	70	4.940	4.957	-0.017	87	494647	10.0	10.5	
25 Hexachloroethane	117	5.057	5.057	0.000	94	313469	10.0	9.81	
\$ 26 Nitrobenzene-d5	82	5.093	5.104	-0.011	87	764089	10.0	9.59	
28 Nitrobenzene	77	5.110	5.128	-0.018	93	1057836	10.0	9.61	
27 n,n'-Dimethylaniline	120	5.116	5.134	-0.018	93	1032051	10.0	10.0	
31 Isophorone	82	5.351	5.369	-0.018	99	1162085	10.0	10.0	
32 2-Nitrophenol	139	5.434	5.440	-0.006	86	340243	10.0	9.61	
33 2,4-Dimethylphenol	122	5.475	5.481	-0.006	88	535551	10.0	9.52	
34 Bis(2-chloroethoxy)methane	93	5.569	5.575	-0.006	98	691096	10.0	9.64	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.546	5.610	-0.064	87	259928	10.0	9.40	
36 2,4-Dichlorophenol	162	5.675	5.681	-0.006	94	511017	10.0	9.98	
37 1,2,4-Trichlorobenzene	180	5.763	5.769	-0.006	93	589080	10.0	9.79	
* 38 Naphthalene-d8	136	5.822	5.828	-0.006	99	7545100	40.0	40.0	e
39 Naphthalene	128	5.840	5.846	-0.006	99	1892875	10.0	10.6	
40 4-Chloroaniline	127	5.893	5.898	-0.005	95	721405	10.0	9.67	
41 Hexachlorobutadiene	225	5.975	5.975	0.000	94	359772	10.0	9.87	
43 4-Chloro-3-methylphenol	107	6.375	6.375	0.000	95	504365	10.0	10.3	
44 2-Methylnaphthalene	142	6.534	6.540	-0.006	86	1169736	10.0	9.98	
45 1-Methylnaphthalene	142	6.634	6.640	-0.006	92	980047	10.0	9.82	
46 Hexachlorocyclopentadiene	237	6.704	6.704	0.000	96	315101	10.0	8.71	
47 1,2,4,5-Tetrachlorobenzene	216	6.704	6.710	-0.006	95	499730	10.0	9.42	
48 2-tertbutyl-4-methylphenol	149	6.728	6.734	-0.006	89	758950	10.0	9.78	
49 2,4,6-Trichlorophenol	196	6.816	6.816	0.000	89	309360	10.0	9.56	
50 2,4,5-Trichlorophenol	196	6.845	6.851	-0.006	93	315929	10.0	9.73	
\$ 51 2-Fluorobiphenyl	172	6.898	6.910	-0.012	98	1195132	10.0	9.68	
52 1,1'-Biphenyl	154	6.998	7.010	-0.012	95	1307481	10.0	9.70	
53 2-Chloronaphthalene	162	7.016	7.028	-0.012	97	984909	10.0	9.44	
54 Phenyl ether	170	7.104	7.110	-0.006	87	664278	10.0	9.44	
56 2-Nitroaniline	65	7.116	7.122	-0.006	96	365399	10.0	10.0	
57 1,3-Dimethylnaphthalene	156	7.240	7.240	0.000	91	800293	10.0	9.53	
58 Dimethyl phthalate	163	7.298	7.310	-0.012	98	955340	10.0	10.1	
59 Coumarin	146	7.322	7.328	-0.006	70	289192	10.0	10.8	
60 2,6-Dinitrotoluene	165	7.351	7.363	-0.012	94	217178	10.0	10.1	
61 Acenaphthylene	152	7.434	7.440	-0.006	98	1370379	10.0	9.83	
64 3-Nitroaniline	138	7.522	7.528	-0.006	92	215313	10.0	9.95	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	92	3286146	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.592	7.592	0.000	96	948195	10.0	9.42	
67 Acenaphthene	154	7.604	7.610	-0.006	93	1001232	10.0	10.1	
68 2,4-Dinitrophenol	184	7.622	7.628	-0.006	67	210501	20.0	18.8	
69 4-Nitrophenol	65	7.675	7.687	-0.012	91	321365	20.0	19.4	
70 2,4-Dinitrotoluene	165	7.751	7.757	-0.006	92	257664	10.0	10.3	
71 Dibenzofuran	168	7.775	7.786	-0.011	95	1219561	10.0	9.76	
72 2,3,4,6-Tetrachlorophenol	232	7.892	7.898	-0.006	91	217877	10.0	9.88	
73 Diethyl phthalate	149	7.998	8.004	-0.006	98	872664	10.0	10.3	
75 Fluorene	166	8.116	8.116	0.000	97	964366	10.0	9.89	
74 4-Chlorophenyl phenyl ethe	204	8.110	8.116	-0.006	87	468566	10.0	9.88	
76 4-Nitroaniline	138	8.122	8.134	-0.012	89	195364	10.0	10.2	
77 4,6-Dinitro-2-methylphenol	198	8.151	8.163	-0.012	84	261577	20.0	18.4	
78 N-Nitrosodiphenylamine	169	8.228	8.234	-0.006	67	1289756	20.0	18.9	
79 1,2-Diphenylhydrazine	77	8.269	8.269	0.000	97	966555	10.0	9.28	
\$ 80 2,4,6-Tribromophenol	330	8.351	8.357	-0.006	93	117048	10.0	10.1	
81 4-Bromophenyl phenyl ether	248	8.592	8.592	0.000	85	226399	10.0	9.36	
83 Hexachlorobenzene	284	8.663	8.663	0.000	98	229270	10.0	9.79	
85 Pentachlorophenol	266	8.851	8.857	-0.006	90	269460	20.0	18.9	
86 Pentachloronitrobenzene	237	8.869	8.869	0.000	86	100185	10.0	9.90	
87 n-Octadecane	57	8.928	8.928	0.000	92	470681	10.0	8.60	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	4101035	40.0	40.0	
89 Phenanthrene	178	9.063	9.063	0.000	97	1116361	10.0	9.54	
90 Anthracene	178	9.110	9.116	-0.006	99	1123694	10.0	9.51	
91 Carbazole	167	9.263	9.269	-0.006	96	888322	10.0	9.62	
92 Di-n-butyl phthalate	149	9.610	9.610	0.000	99	1075095	10.0	9.59	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.239	10.239	0.000	98	930015	10.0	9.78	
94 Benzidine	184	10.363	10.369	-0.006	99	370152	10.0	10.7	
95 Pyrene	202	10.469	10.475	-0.006	98	917886	10.0	10.2	
82 Bisphenol-A	213	10.510	10.510	0.000	99	320946	10.0	8.97	
\$ 96 Terphenyl-d14	244	10.628	10.633	-0.005	99	616357	10.0	9.87	
97 Butyl benzyl phthalate	149	11.169	11.175	-0.006	98	341348	10.0	9.93	
99 Carbamazepine	193	11.298	11.304	-0.006	90	249914	10.0	9.33	
100 3,3'-Dichlorobenzidine	252	11.822	11.822	0.000	99	202669	10.0	9.57	
101 Benzo[a]anthracene	228	11.857	11.857	0.000	98	633180	10.0	9.54	
* 102 Chrysene-d12	240	11.869	11.869	0.000	100	2115979	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.892	11.892	0.000	88	440503	10.0	9.82	
103 Chrysene	228	11.898	11.904	-0.006	99	581656	10.0	9.91	
105 Di-n-octyl phthalate	149	12.780	12.780	0.000	97	605100	10.0	10.1	
106 Benzo[b]fluoranthene	252	13.304	13.310	-0.006	98	430948	10.0	9.40	
107 Benzo[k]fluoranthene	252	13.345	13.345	0.000	99	478849	10.0	9.88	
108 Benzo[a]pyrene	252	13.763	13.768	-0.005	98	408003	10.0	9.70	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1468700	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.463	15.468	-0.006	99	284315	10.0	8.01	M
111 Dibenz(a,h)anthracene	278	15.498	15.510	-0.012	94	308622	10.0	8.55	M
112 Benzo[g,h,i]perylene	276	15.915	15.927	-0.012	97	324162	10.0	8.96	
S 119 Total Cresols	1				0			20.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L4_00010

Amount Added: 1.00

Units: mL

Chrom Revision: 2.2 04-Mar-2016 14:36:24

Operator ID:
Worklist Smp#: 6

ALS Bottle#: 6

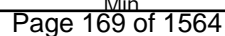
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

ALS Bottle#: 6

Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

Limit Group: SV 8270D ICAL

ALS Bottle#: 6



TestAmerica Edison

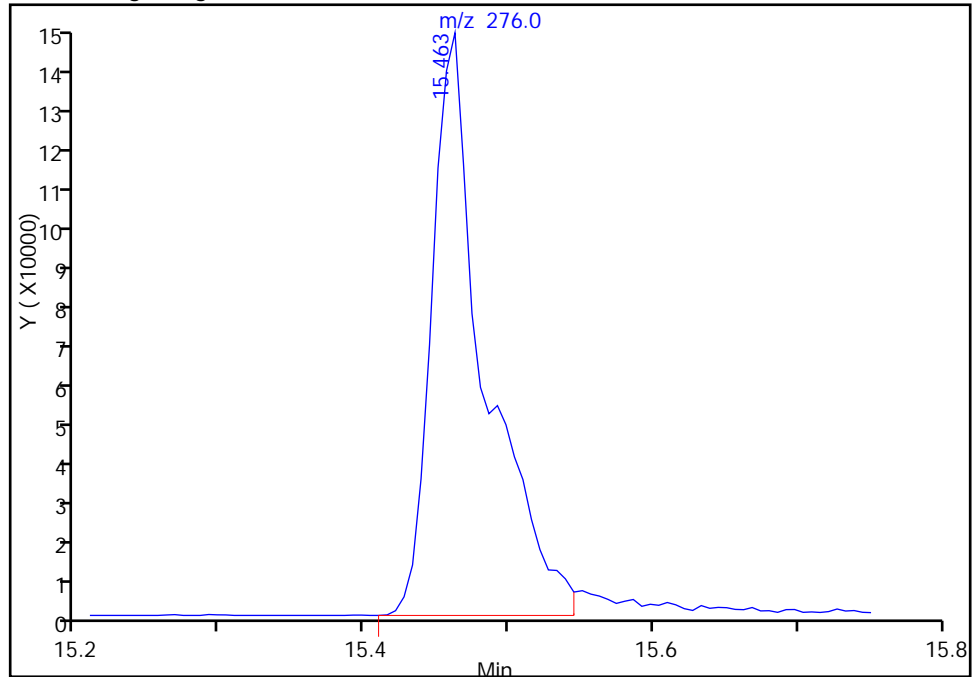
Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12335.D
Injection Date: 31-Mar-2016 05:58:30 Instrument ID: CBNAMS5
Lims ID: std10
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 6 Worklist Smp#: 6
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

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

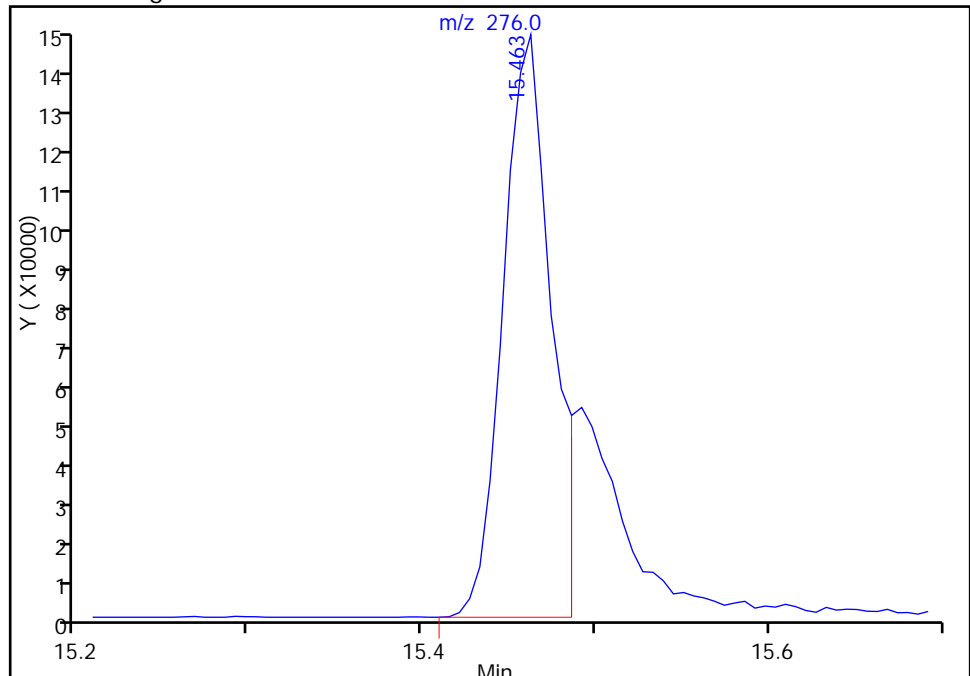
RT: 15.46
Area: 372696
Amount: 12.392532
Amount Units: ug/ml

Processing Integration Results



RT: 15.46
Area: 284315
Amount: 8.006603
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 31-Mar-2016 09:40:50
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12335.D

Injection Date: 31-Mar-2016 05:58:30

Instrument ID: CBNAMS5

Lims ID: std10

Client ID:

Operator ID:

ALS Bottle#:

6

Worklist Smp#:

6

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

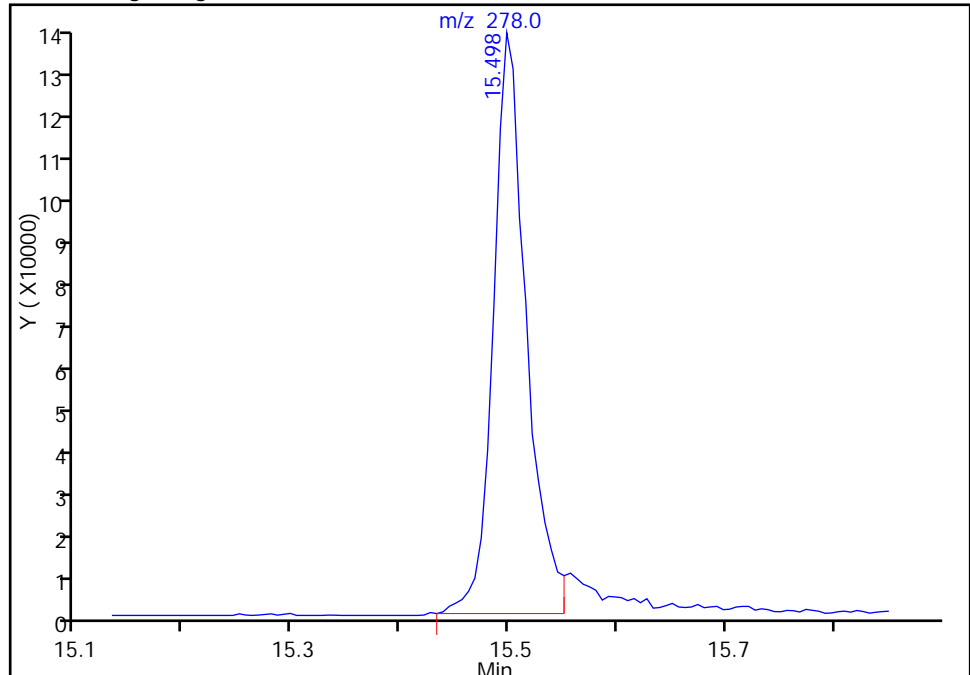
Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

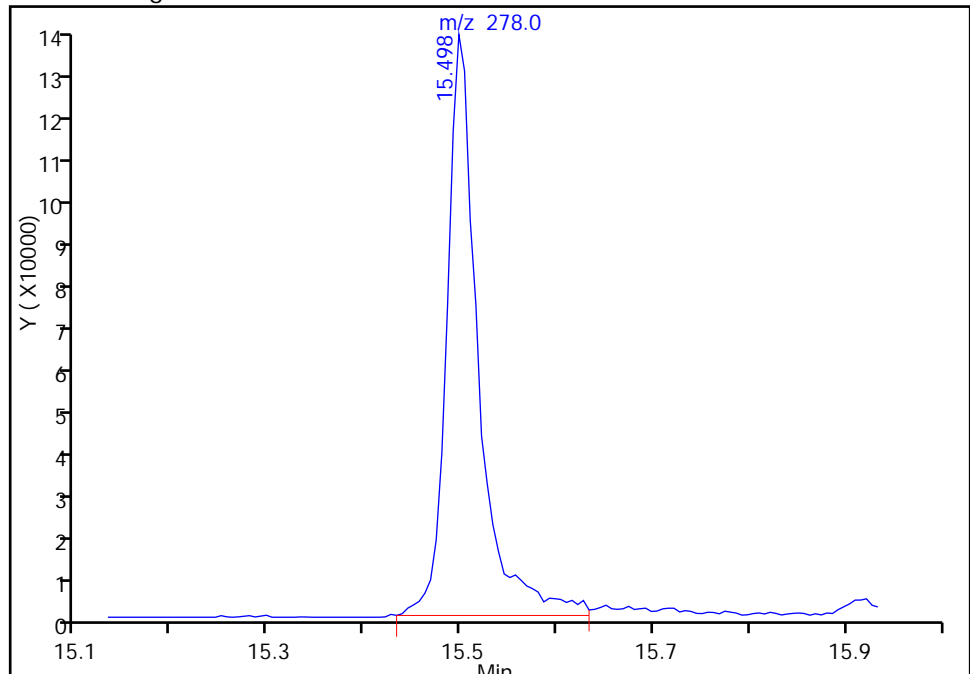
RT: 15.50
Area: 285785
Amount: 8.868927
Amount Units: ug/ml

Processing Integration Results



RT: 15.50
Area: 308622
Amount: 8.553251
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 31-Mar-2016 09:40:50

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12336.D
 Lims ID: std5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 31-Mar-2016 06:23:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-007
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 09:59:39 Calib Date: 31-Mar-2016 08:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12342.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczecha

Date: 31-Mar-2016 09:59:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.875	1.863	0.012	91	171828	5.00	4.37	
2 N-Nitrosodimethylamine	74	2.099	2.099	0.000	87	237242	5.00	4.62	
3 Pyridine	79	2.140	2.128	0.012	96	406207	5.00	4.42	
\$ 4 2-Fluorophenol	112	3.257	3.263	-0.006	94	399173	5.00	4.71	
\$ 6 Phenol-d5	99	4.157	4.175	-0.018	95	471265	5.00	4.95	
7 Phenol	94	4.169	4.193	-0.024	97	446981	5.00	4.52	
8 Aniline	93	4.210	4.222	-0.012	100	535716	5.00	4.55	
9 Bis(2-chloroethyl)ether	93	4.269	4.281	-0.012	99	345518	5.00	4.62	
10 Benzonitrile	103	4.287	4.310	-0.023	66	710312	NC	NC	
11 2-Chlorophenol	128	4.328	4.340	-0.012	94	365397	5.00	4.62	
12 n-Decane	43	4.381	4.387	-0.006	83	316355	5.00	4.18	
13 1,3-Dichlorobenzene	146	4.487	4.493	-0.006	93	414864	5.00	4.58	
* 14 1,4-Dichlorobenzene-d4	152	4.546	4.546	0.000	98	2298305	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.557	4.563	-0.006	94	420389	5.00	4.56	
16 Benzyl alcohol	108	4.669	4.681	-0.012	91	208135	5.00	4.58	
17 1,2-Dichlorobenzene	146	4.716	4.716	0.000	94	390484	5.00	4.62	
18 2-Methylphenol	108	4.775	4.793	-0.018	86	318956	5.00	4.74	
19 2,2'-oxybis[1-chloropropan	45	4.810	4.816	-0.006	84	314995	5.00	4.50	
20 N-Methylaniline	106	4.928	4.940	-0.012	78	538928	NC	NC	
21 Acetophenone	105	4.940	4.951	-0.011	90	488855	5.00	4.80	
23 3 & 4 Methylphenol	108	4.934	4.951	-0.017	81	360388	5.00	4.70	
24 4-Methylphenol	108	4.934	4.951	-0.017	83	360388	5.00	4.70	
22 N-Nitrosodi-n-propylamine	70	4.940	4.957	-0.017	73	241486	5.00	4.72	
25 Hexachloroethane	117	5.057	5.057	0.000	93	158124	5.00	4.57	
\$ 26 Nitrobenzene-d5	82	5.093	5.104	-0.011	87	415925	5.00	5.03	
28 Nitrobenzene	77	5.110	5.128	-0.018	93	547564	5.00	4.78	
27 n,n'-Dimethylaniline	120	5.116	5.134	-0.018	97	538303	5.00	4.83	
31 Isophorone	82	5.351	5.369	-0.018	99	598523	5.00	4.98	
32 2-Nitrophenol	139	5.434	5.440	-0.006	86	172171	5.00	4.68	
33 2,4-Dimethylphenol	122	5.469	5.481	-0.012	89	276467	5.00	4.73	
34 Bis(2-chloroethoxy)methane	93	5.569	5.575	-0.006	99	355875	5.00	4.78	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.528	5.610	-0.082	86	116900	5.00	4.07	
36 2,4-Dichlorophenol	162	5.675	5.681	-0.006	94	250730	5.00	4.71	
37 1,2,4-Trichlorobenzene	180	5.763	5.769	-0.006	93	304331	5.00	4.87	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	7840915	40.0	40.0	
39 Naphthalene	128	5.840	5.846	-0.006	99	949001	5.00	5.11	
40 4-Chloroaniline	127	5.887	5.898	-0.011	95	360100	5.00	4.65	
41 Hexachlorobutadiene	225	5.975	5.975	0.000	92	177106	5.00	4.68	
43 4-Chloro-3-methylphenol	107	6.369	6.375	-0.006	94	245384	5.00	4.83	
44 2-Methylnaphthalene	142	6.534	6.540	-0.006	85	576715	5.00	4.74	
45 1-Methylnaphthalene	142	6.634	6.640	-0.006	92	500273	5.00	4.83	
46 Hexachlorocyclopentadiene	237	6.698	6.704	-0.006	95	142736	5.00	3.77	
47 1,2,4,5-Tetrachlorobenzene	216	6.704	6.710	-0.006	95	242821	5.00	4.38	
48 2-tertbutyl-4-methylphenol	149	6.728	6.734	-0.006	89	393942	5.00	4.88	
49 2,4,6-Trichlorophenol	196	6.810	6.816	-0.006	92	153433	5.00	4.54	
50 2,4,5-Trichlorophenol	196	6.845	6.851	-0.006	93	153064	5.00	4.51	
\$ 51 2-Fluorobiphenyl	172	6.898	6.910	-0.012	98	623003	5.00	4.83	
52 1,1'-Biphenyl	154	6.998	7.010	-0.012	95	639690	5.00	4.54	
53 2-Chloronaphthalene	162	7.016	7.028	-0.012	96	482294	5.00	4.42	
54 Phenyl ether	170	7.104	7.110	-0.006	87	340192	5.00	4.62	
56 2-Nitroaniline	65	7.110	7.122	-0.012	96	178986	5.00	4.69	
57 1,3-Dimethylnaphthalene	156	7.234	7.240	-0.006	91	413179	5.00	4.71	
58 Dimethyl phthalate	163	7.298	7.310	-0.012	98	475753	5.00	4.81	
59 Coumarin	146	7.316	7.328	-0.012	71	149880	5.00	5.36	
60 2,6-Dinitrotoluene	165	7.351	7.363	-0.012	93	108637	5.00	4.83	
61 Acenaphthylene	152	7.428	7.440	-0.012	97	679009	5.00	4.66	
64 3-Nitroaniline	138	7.516	7.528	-0.012	91	108120	5.00	4.78	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	92	3436052	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.592	7.592	0.000	96	470516	5.00	4.47	
67 Acenaphthene	154	7.604	7.610	-0.006	93	486860	5.00	4.69	
68 2,4-Dinitrophenol	184	7.616	7.628	-0.012	95	83609	10.0	8.69	
69 4-Nitrophenol	65	7.675	7.687	-0.012	92	149284	10.0	8.61	
70 2,4-Dinitrotoluene	165	7.751	7.757	-0.006	92	126798	5.00	4.85	
71 Dibenzofuran	168	7.775	7.786	-0.011	95	599723	5.00	4.59	
72 2,3,4,6-Tetrachlorophenol	232	7.892	7.898	-0.006	90	103663	5.00	4.49	
73 Diethyl phthalate	149	7.992	8.004	-0.012	98	428059	5.00	4.84	
75 Fluorene	166	8.110	8.116	-0.006	96	470595	5.00	4.61	
74 4-Chlorophenyl phenyl ethe	204	8.110	8.116	-0.006	87	230441	5.00	4.65	
76 4-Nitroaniline	138	8.116	8.134	-0.018	90	92566	5.00	4.64	
77 4,6-Dinitro-2-methylphenol	198	8.151	8.163	-0.012	84	119199	10.0	9.39	
78 N-Nitrosodiphenylamine	169	8.222	8.234	-0.012	67	624519	10.0	9.11	
79 1,2-Diphenylhydrazine	77	8.263	8.269	-0.006	98	471914	5.00	4.50	
\$ 80 2,4,6-Tribromophenol	330	8.351	8.357	-0.006	93	58345	5.00	4.83	
81 4-Bromophenyl phenyl ether	248	8.592	8.592	0.000	83	110329	5.00	4.53	
83 Hexachlorobenzene	284	8.663	8.663	0.000	98	108472	5.00	4.60	
85 Pentachlorophenol	266	8.851	8.857	-0.006	91	121163	10.0	8.43	
86 Pentachloronitrobenzene	237	8.869	8.869	0.000	87	50043	5.00	4.91	
87 n-Octadecane	57	8.928	8.928	0.000	91	217916	5.00	3.96	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	4129757	40.0	40.0	
89 Phenanthrene	178	9.063	9.063	0.000	97	537898	5.00	4.57	
90 Anthracene	178	9.110	9.116	-0.006	99	541904	5.00	4.55	
91 Carbazole	167	9.263	9.269	-0.006	96	425844	5.00	4.58	
92 Di-n-butyl phthalate	149	9.604	9.610	-0.006	99	490585	5.00	4.34	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.239	10.239	0.000	98	404586	5.00	4.23	
94 Benzidine	184	10.363	10.369	-0.006	99	139913	5.00	3.65	
95 Pyrene	202	10.469	10.475	-0.006	98	412222	5.00	5.13	
82 Bisphenol-A	213	10.510	10.510	0.000	99	202906	5.00	6.39	
\$ 96 Terphenyl-d14	244	10.628	10.633	-0.005	99	281139	5.00	5.07	
97 Butyl benzyl phthalate	149	11.169	11.175	-0.006	98	147041	5.00	4.82	
99 Carbamazepine	193	11.298	11.304	-0.006	91	105926	5.00	4.45	
100 3,3'-Dichlorobenzidine	252	11.816	11.822	-0.006	99	85516	5.00	4.54	
101 Benzo[a]anthracene	228	11.851	11.857	-0.006	97	268709	5.00	4.56	
* 102 Chrysene-d12	240	11.869	11.869	0.000	100	1879750	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.892	11.892	0.000	88	179094	5.00	4.49	
103 Chrysene	228	11.898	11.904	-0.006	98	243233	5.00	4.66	
105 Di-n-octyl phthalate	149	12.774	12.780	-0.006	97	253805	5.00	4.55	
106 Benzo[b]fluoranthene	252	13.304	13.310	-0.006	98	194603	5.00	4.54	
107 Benzo[k]fluoranthene	252	13.339	13.345	-0.006	99	208274	5.00	4.59	
108 Benzo[a]pyrene	252	13.763	13.768	-0.005	97	179725	5.00	4.57	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1374103	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.457	15.468	-0.011	98	152791	5.00	4.60	M
111 Dibenz(a,h)anthracene	278	15.498	15.510	-0.012	95	150337	5.00	4.45	M
112 Benzo[g,h,i]perylene	276	15.915	15.927	-0.012	98	165456	5.00	4.89	
S 119 Total Cresols	1				0			9.44	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L3_00012

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12336.D

Injection Date: 31-Mar-2016 06:23:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std5

Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul

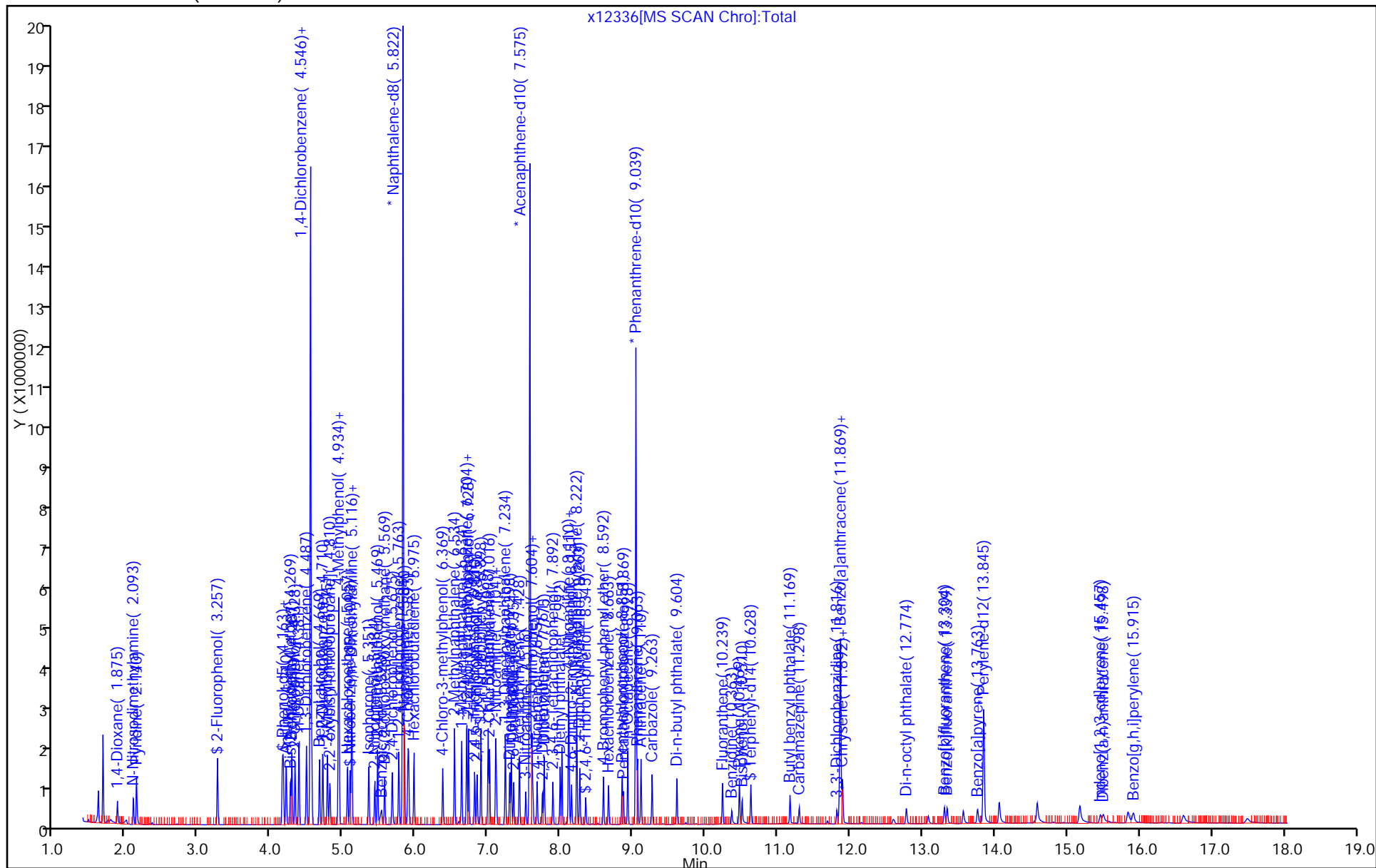
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

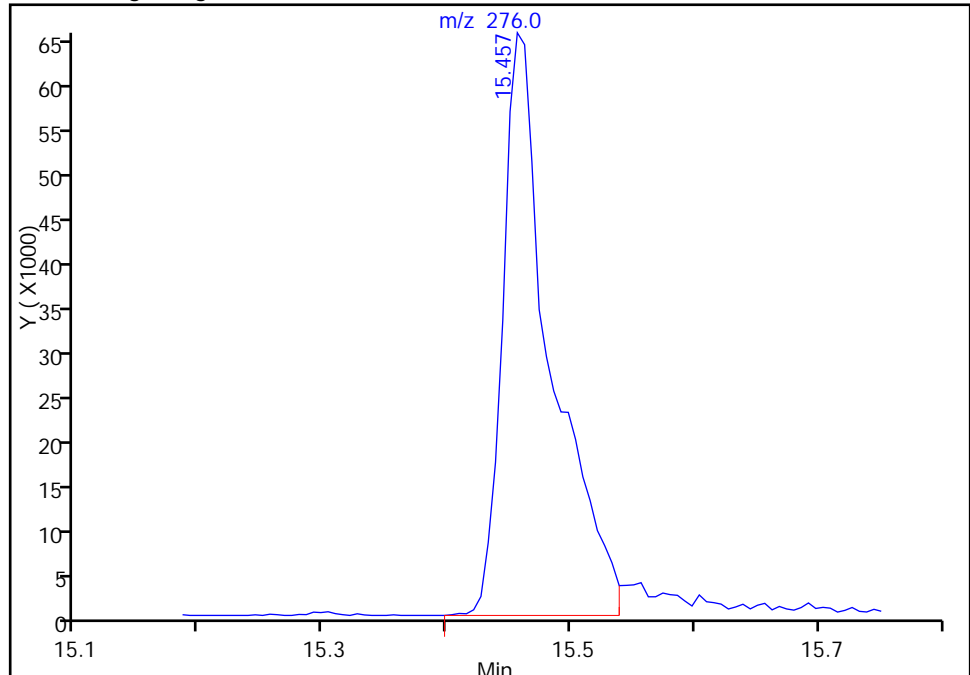
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Injection Date: 31-Mar-2016 06:23:30 Instrument ID: CBNAMS5
Lims ID: std5
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 7 Worklist Smp#: 7
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

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

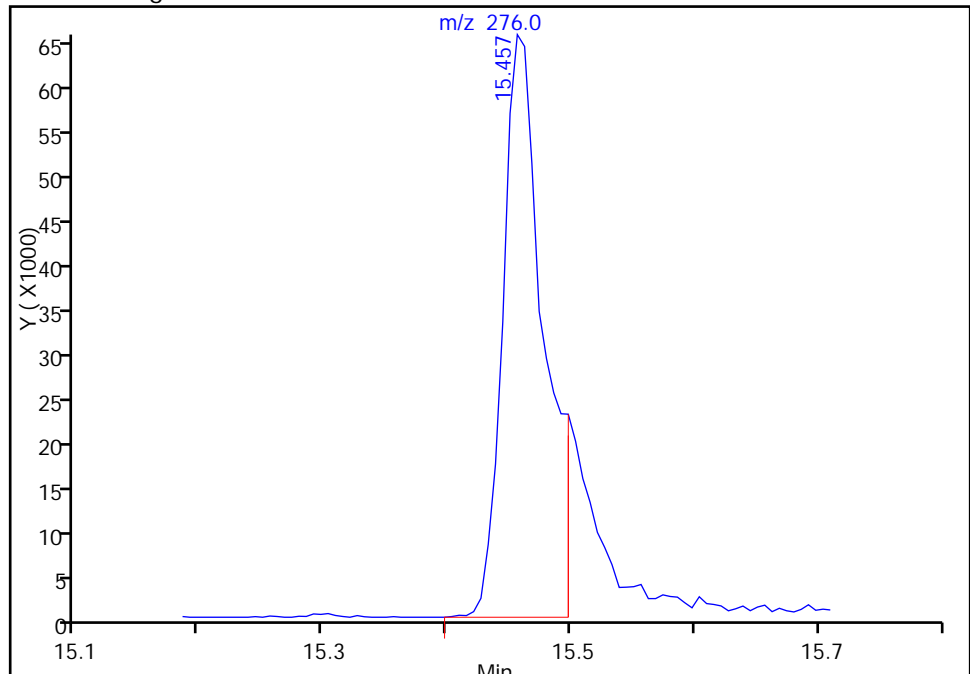
RT: 15.46
Area: 179191
Amount: 6.734455
Amount Units: ug/ml

Processing Integration Results



RT: 15.46
Area: 152791
Amount: 4.598965
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 31-Mar-2016 09:48:14
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

TestAmerica Edison

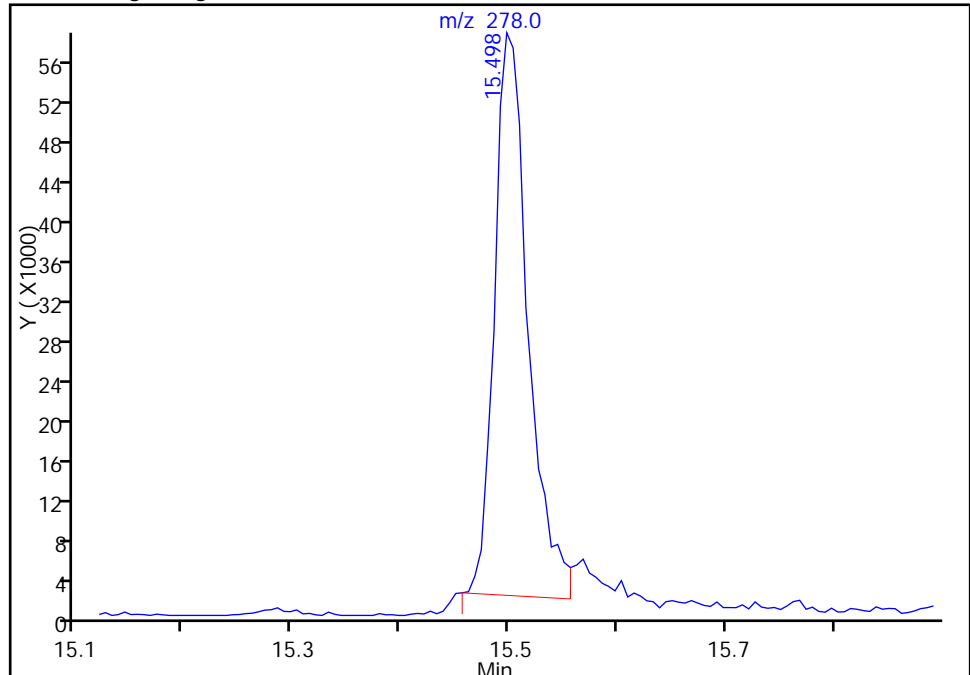
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Injection Date: 31-Mar-2016 06:23:30 Instrument ID: CBNAMS5
Lims ID: std5
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 7 Worklist Smp#: 7
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

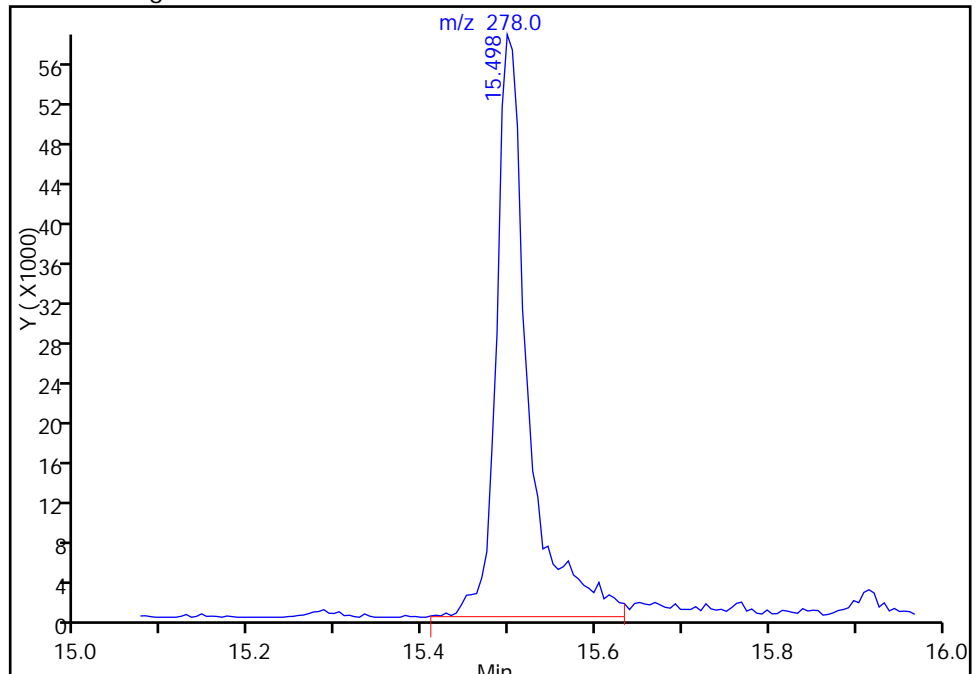
RT: 15.50
Area: 122751
Amount: 4.039838
Amount Units: ug/ml

Processing Integration Results



RT: 15.50
Area: 150337
Amount: 4.453321
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 31-Mar-2016 09:48:14
Audit Action: Assigned New Baseline
Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12337.D
 Lims ID: std2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 31-Mar-2016 06:47:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-008
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 10:03:40 Calib Date: 31-Mar-2016 09:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12343.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczecha

Date: 31-Mar-2016 10:03:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.257	3.263	-0.006	92	146812	2.00	1.91	
\$ 6 Phenol-d5	99	4.151	4.175	-0.024	89	176374	2.00	2.04	
9 Bis(2-chloroethyl)ether	93	4.263	4.281	-0.018	99	128710	2.00	1.90	
* 14 1,4-Dichlorobenzene-d4	152	4.545	4.546	-0.001	98	2087393	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.934	4.957	-0.023	72	92874	2.00	2.00	
25 Hexachloroethane	117	5.057	5.057	0.000	93	61088	2.00	1.94	
\$ 26 Nitrobenzene-d5	82	5.087	5.104	-0.017	87	161685	2.00	2.08	
28 Nitrobenzene	77	5.110	5.128	-0.018	94	206385	2.00	1.92	
27 n,n'-Dimethylaniline	120	5.116	5.134	-0.018	93	196788	2.00	1.94	
31 Isophorone	82	5.345	5.369	-0.024	99	231494	2.00	2.05	
36 2,4-Dichlorophenol	162	5.669	5.681	-0.012	94	92851	2.00	1.86	
37 1,2,4-Trichlorobenzene	180	5.763	5.769	-0.006	93	110626	2.00	1.89	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	7356259	40.0	40.0	
41 Hexachlorobutadiene	225	5.975	5.975	0.000	93	67762	2.00	1.91	
49 2,4,6-Trichlorophenol	196	6.810	6.816	-0.006	87	56919	2.00	1.86	
\$ 51 2-Fluorobiphenyl	172	6.898	6.910	-0.012	97	233738	2.00	2.01	
60 2,6-Dinitrotoluene	165	7.351	7.363	-0.012	93	39924	2.00	1.97	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	93	3102366	40.0	40.0	
68 2,4-Dinitrophenol	184	7.616	7.628	-0.012	94	21425	4.00	4.26	
70 2,4-Dinitrotoluene	165	7.751	7.757	-0.006	93	47943	2.00	2.03	
77 4,6-Dinitro-2-methylphenol	198	8.151	8.163	-0.012	79	33494	4.00	4.16	
78 N-Nitrosodiphenylamine	169	8.222	8.234	-0.012	67	238097	4.00	3.72	
\$ 80 2,4,6-Tribromophenol	330	8.345	8.357	-0.012	90	21789	2.00	2.00	
83 Hexachlorobenzene	284	8.663	8.663	0.000	97	40411	2.00	1.83	
85 Pentachlorophenol	266	8.851	8.857	-0.006	91	40897	4.00	3.05	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	3860334	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.627	10.633	-0.006	98	110708	2.00	2.10	
100 3,3'-Dichlorobenzidine	252	11.821	11.822	-0.001	95	29694	2.00	1.66	
101 Benzo[a]anthracene	228	11.857	11.857	0.000	97	112087	2.00	2.00	
* 102 Chrysene-d12	240	11.868	11.869	-0.001	100	1787417	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.304	13.310	-0.006	98	81310	2.00	2.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
107 Benzo[k]fluoranthene	252	13.339	13.345	-0.006	98	88189	2.00	2.08	
108 Benzo[a]pyrene	252	13.762	13.768	-0.006	97	73880	2.00	2.01	
* 109 Perylene-d12	264	13.851	13.845	0.006	99	1283225	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.456	15.468	-0.012	97	65935	2.00	2.13	M
111 Dibenz(a,h)anthracene	278	15.498	15.510	-0.012	95	69478	2.00	2.20	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L0_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12337.D

Injection Date: 31-Mar-2016 06:47:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std2

Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul

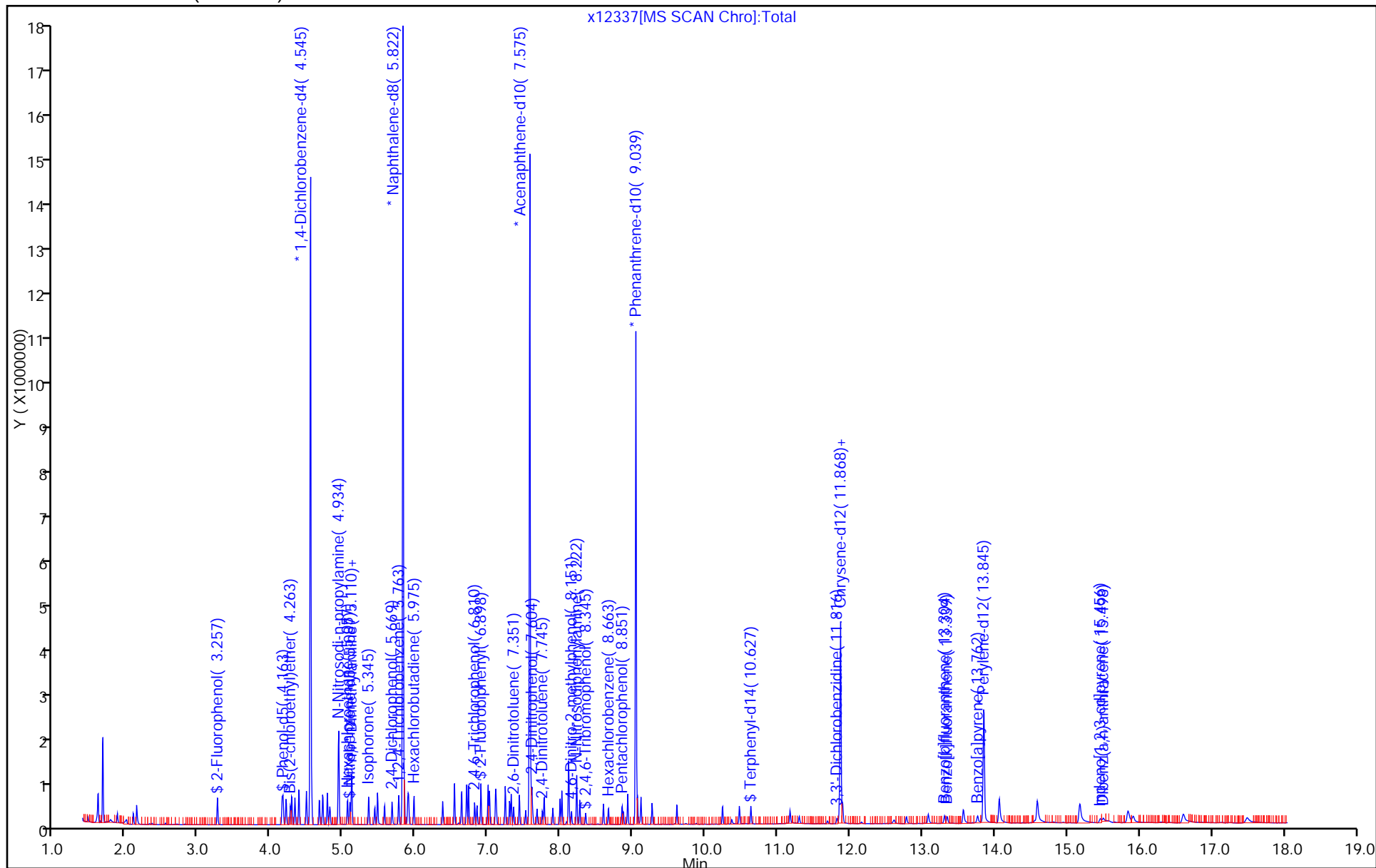
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

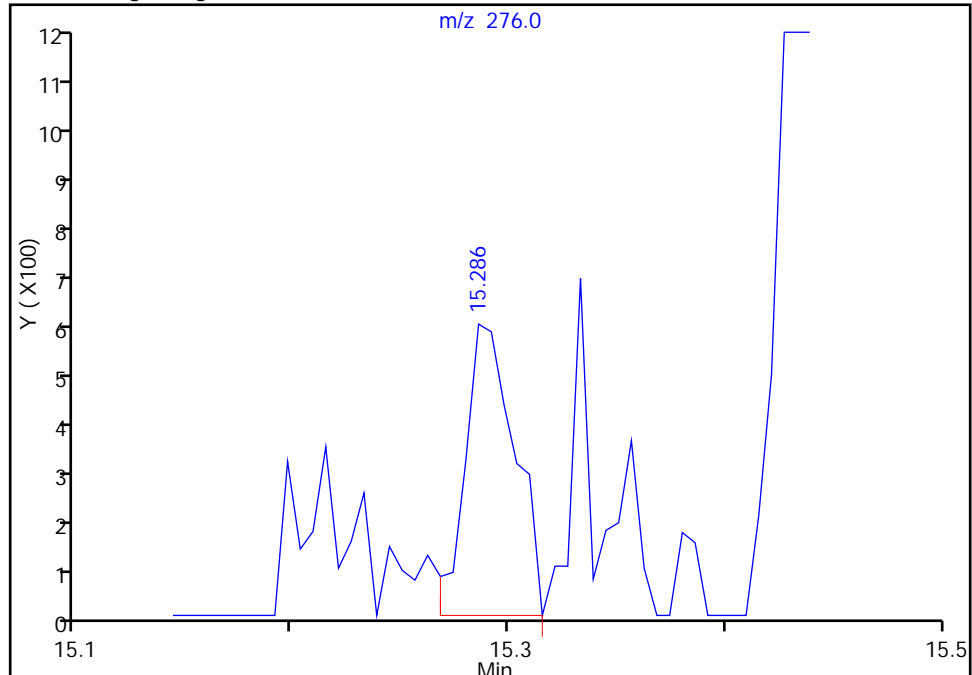
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Injection Date: 31-Mar-2016 06:47:30 Instrument ID: CBNAMS5
Lims ID: std2
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 8 Worklist Smp#: 8
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

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

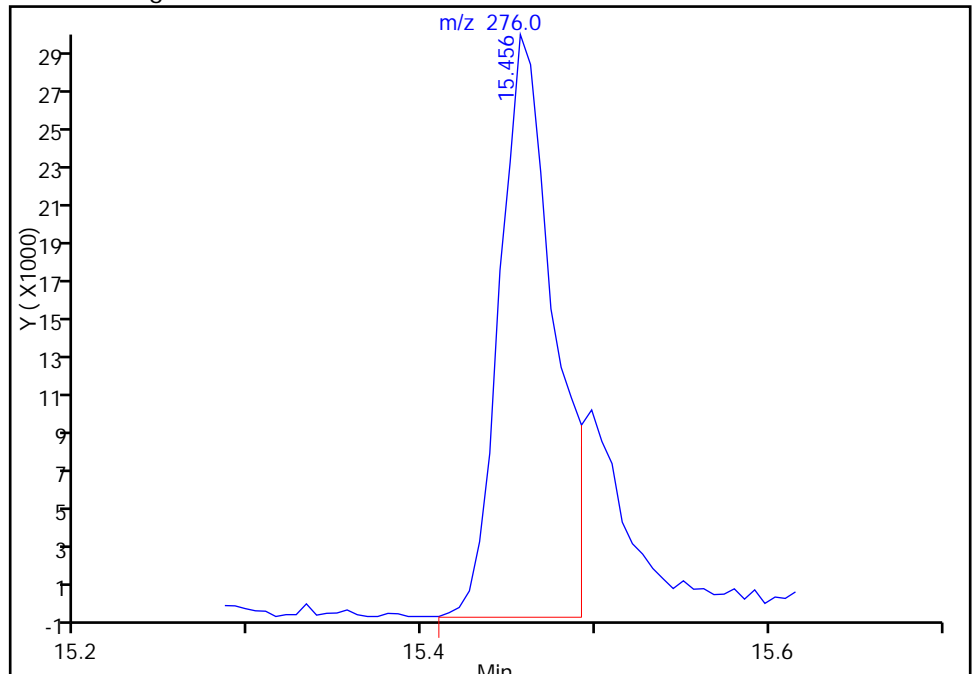
RT: 15.29
Area: 895
Amount: 1.821362
Amount Units: ug/ml

Processing Integration Results



RT: 15.46
Area: 65935
Amount: 2.125176
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 31-Mar-2016 09:54:43
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Edison

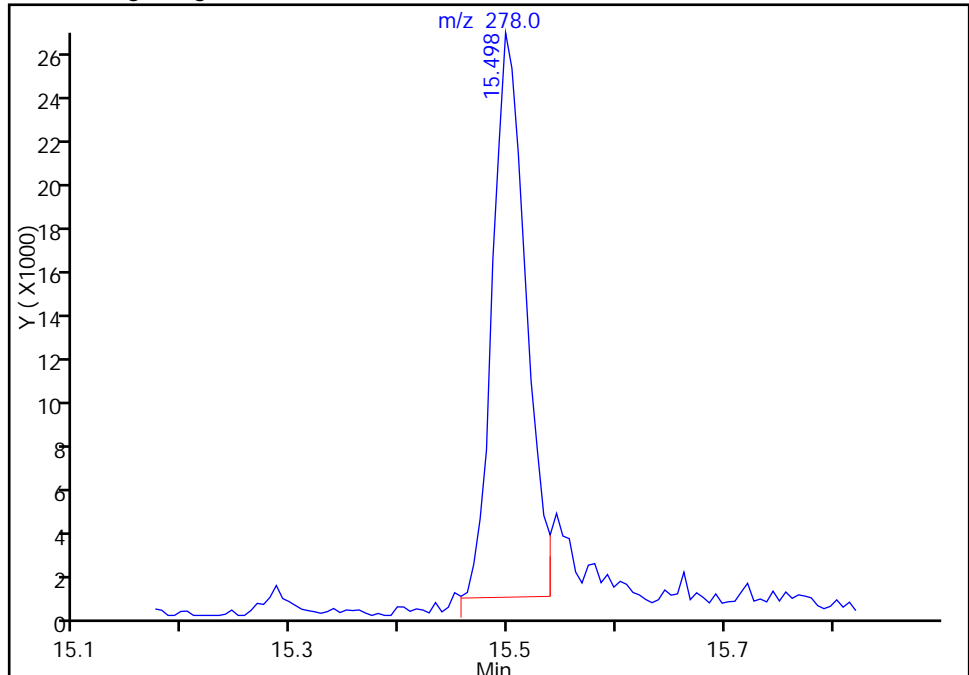
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Injection Date: 31-Mar-2016 06:47:30 Instrument ID: CBNAMS5
Lims ID: std2
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 8 Worklist Smp#: 8
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

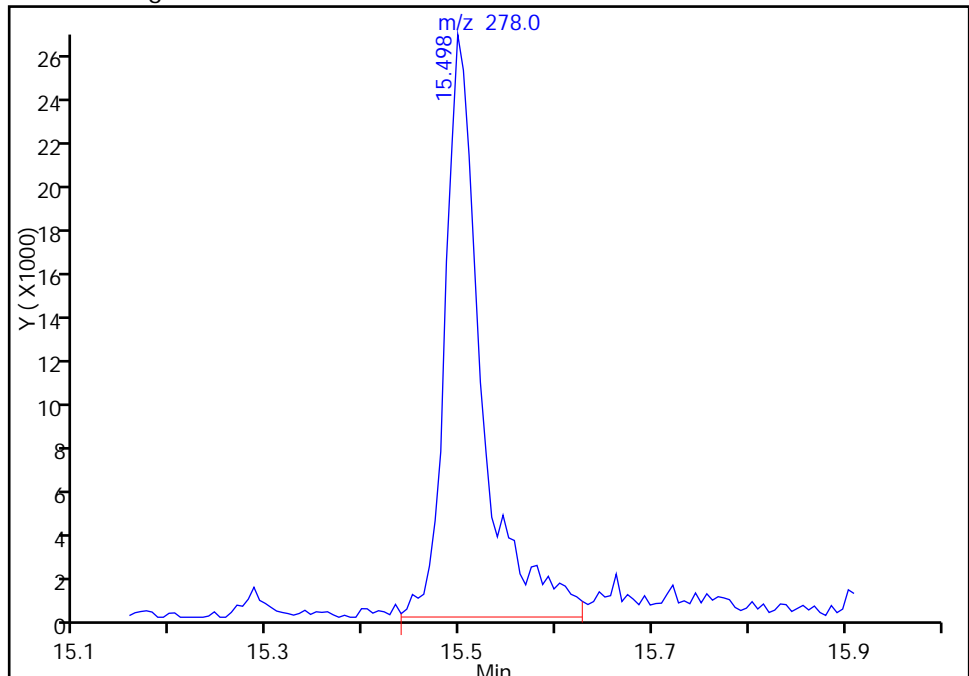
RT: 15.50
Area: 54257
Amount: 1.874289
Amount Units: ug/ml

Processing Integration Results



RT: 15.50
Area: 69478
Amount: 2.203849
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 31-Mar-2016 09:49:28
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12338.D
 Lims ID: std1
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 31-Mar-2016 07:11:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-009
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 10:10:12 Calib Date: 31-Mar-2016 09:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12343.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczecha

Date: 31-Mar-2016 10:00:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.257	3.263	-0.006	92	67547	1.00	0.8297	
\$ 6 Phenol-d5	99	4.152	4.175	-0.023	89	78991	1.00	0.8637	
9 Bis(2-chloroethyl)ether	93	4.263	4.281	-0.018	99	72876	1.00	1.01	
* 14 1,4-Dichlorobenzene-d4	152	4.546	4.546	0.000	98	2208881	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.934	4.957	-0.023	87	51616	1.00	1.05	
25 Hexachloroethane	117	5.051	5.057	-0.006	93	31871	1.00	0.9578	
\$ 26 Nitrobenzene-d5	82	5.087	5.104	-0.017	89	72941	1.00	0.8883	
28 Nitrobenzene	77	5.110	5.128	-0.018	92	110785	1.00	0.9757	
27 n,n'-Dimethylaniline	120	5.116	5.134	-0.018	93	103787	1.00	0.9686	
37 1,2,4-Trichlorobenzene	180	5.763	5.769	-0.006	94	58307	1.00	0.9396	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	7783309	40.0	40.0	
41 Hexachlorobutadiene	225	5.975	5.975	0.000	92	38413	1.00	1.02	
\$ 51 2-Fluorobiphenyl	172	6.898	6.910	-0.012	98	111630	1.00	0.8374	
60 2,6-Dinitrotoluene	165	7.351	7.363	-0.012	87	21177	1.00	0.9123	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	92	3549139	40.0	40.0	
70 2,4-Dinitrotoluene	165	7.745	7.757	-0.012	87	24308	1.00	0.9004	
\$ 80 2,4,6-Tribromophenol	330	8.345	8.357	-0.012	89	9810	1.00	0.7866	
83 Hexachlorobenzene	284	8.663	8.663	0.000	96	22280	1.00	0.9009	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	4329045	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.628	10.633	-0.005	99	56528	1.00	0.9451	
101 Benzo[a]anthracene	228	11.857	11.857	0.000	97	68227	1.00	1.07	
* 102 Chrysene-d12	240	11.869	11.869	0.000	99	2026879	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.304	13.310	-0.006	97	44486	1.00	1.02	
107 Benzo[k]fluoranthene	252	13.339	13.345	-0.006	98	49413	1.00	1.07	M
108 Benzo[a]pyrene	252	13.763	13.768	-0.005	96	39774	1.00	0.99	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1396050	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.457	15.468	-0.011	98	32434	1.00	0.9609	
111 Dibenz(a,h)anthracene	278	15.498	15.510	-0.012	93	33712	1.00	0.9829	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L2_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12338.D

Injection Date: 31-Mar-2016 07:11:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std1

Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul

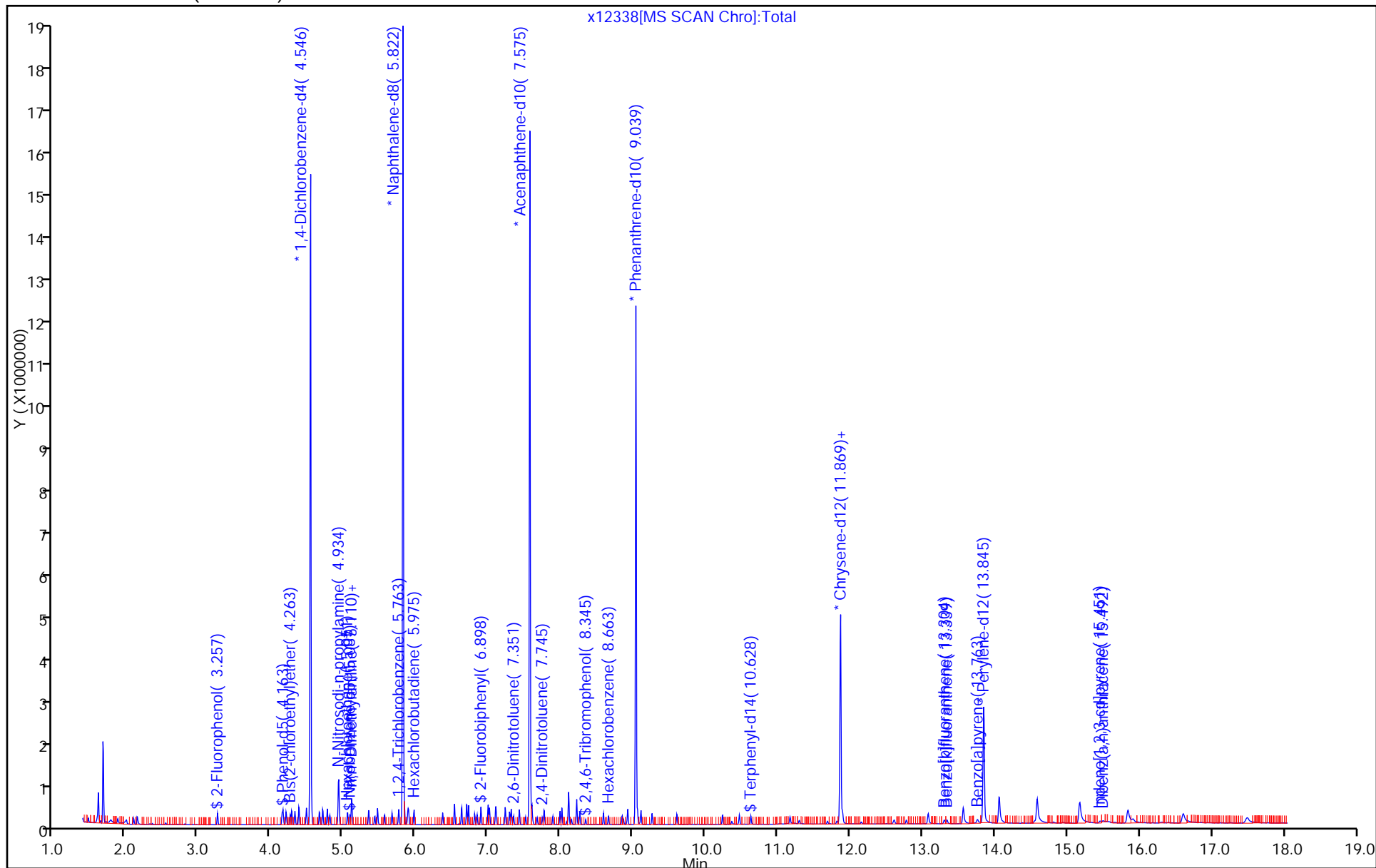
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

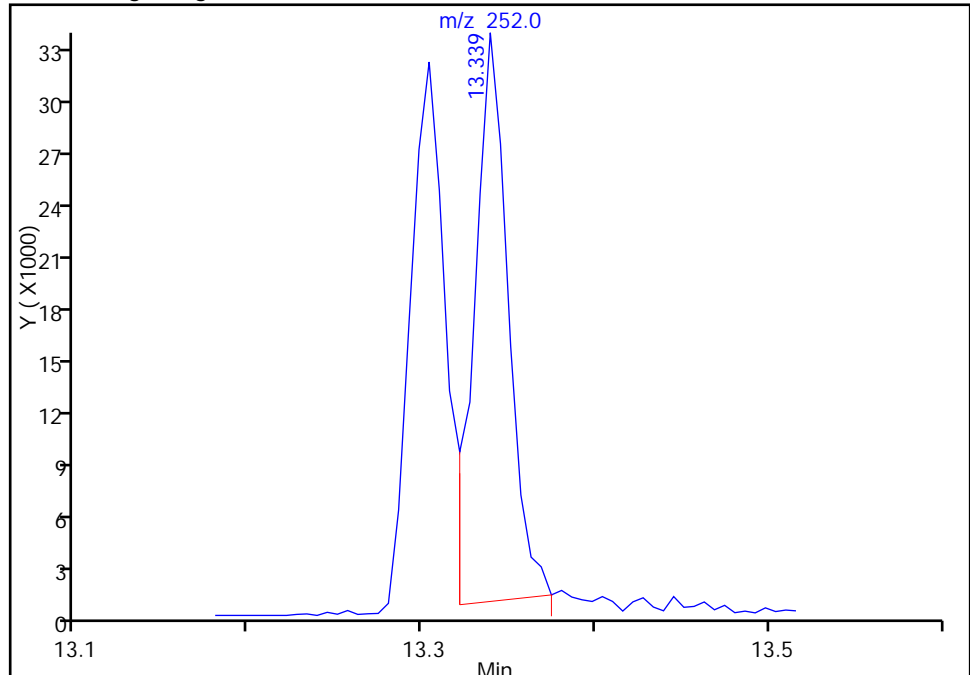
Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12338.D
Injection Date: 31-Mar-2016 07:11:30 Instrument ID: CBNAMS5
Lims ID: std1
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 9 Worklist Smp#: 9
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

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

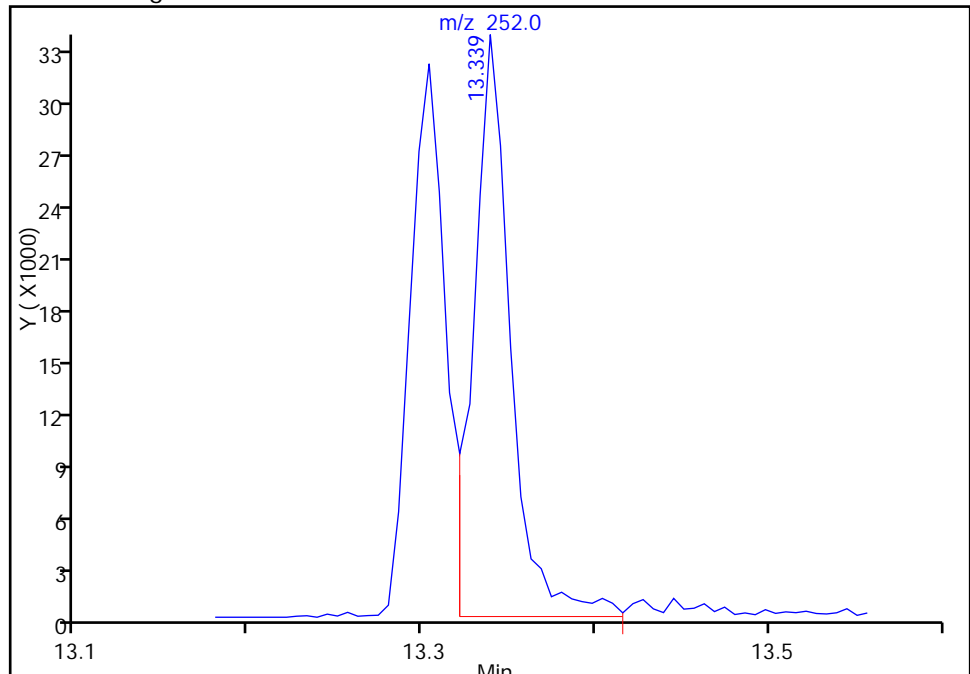
RT: 13.34
Area: 44312
Amount: 0.973542
Amount Units: ug/ml

Processing Integration Results



RT: 13.34
Area: 49413
Amount: 1.072260
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 31-Mar-2016 09:51:23
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Edison

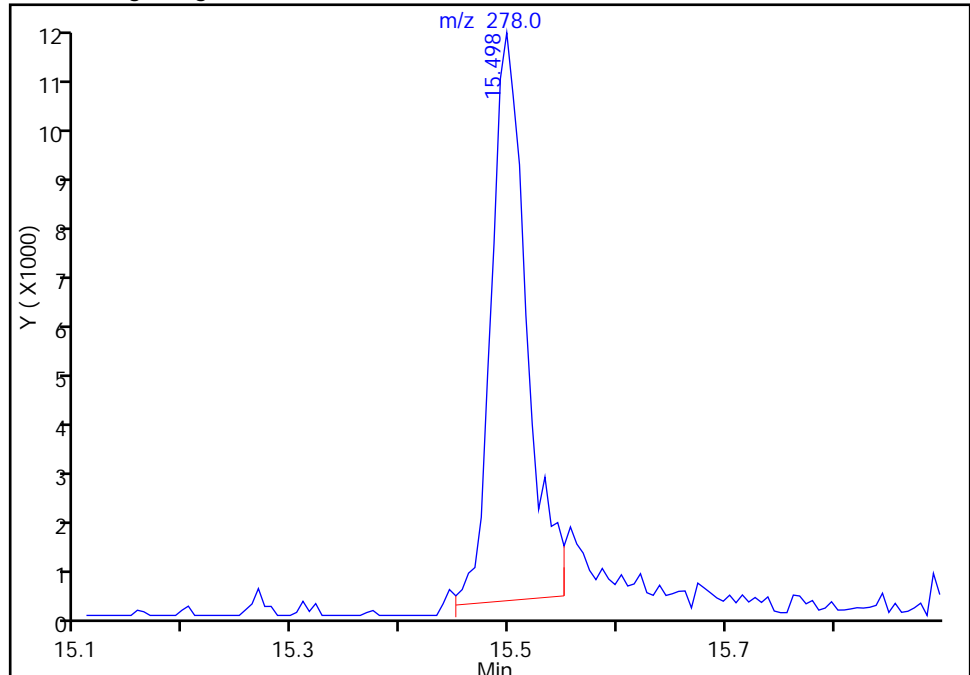
Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12338.D
Injection Date: 31-Mar-2016 07:11:30 Instrument ID: CBNAMS5
Lims ID: std1
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 9 Worklist Smp#: 9
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

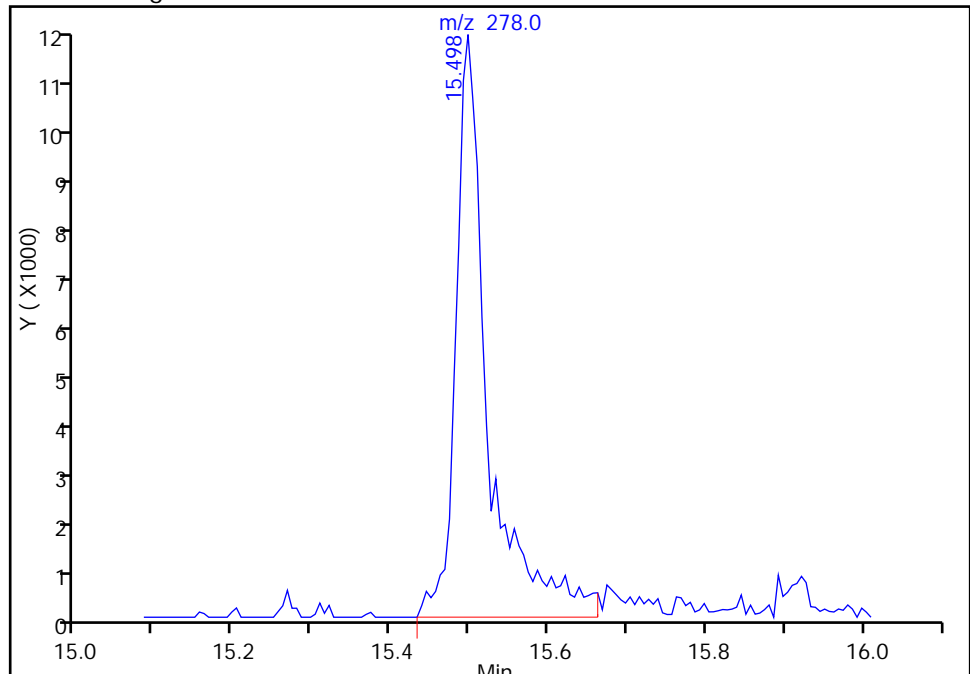
RT: 15.50
Area: 26315
Amount: 0.811860
Amount Units: ug/ml

Processing Integration Results



RT: 15.50
Area: 33712
Amount: 0.982926
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 31-Mar-2016 09:51:23
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12339.D
 Lims ID: std05
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 31-Mar-2016 07:35:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-010
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 10:00:55 Calib Date: 31-Mar-2016 08:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12342.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczecha

Date: 31-Mar-2016 10:00:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	4.263	4.281	-0.018	98	35798	0.5000	0.4983	
* 14 1,4-Dichlorobenzene-d4	152	4.545	4.546	-0.001	98	2209391	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.934	4.957	-0.023	74	26737	0.5000	0.5434	
25 Hexachloroethane	117	5.057	5.057	0.000	93	16781	0.5000	0.5042	
\$ 26 Nitrobenzene-d5	82	5.087	5.104	-0.017	89	35777	0.5000	0.4437	
28 Nitrobenzene	77	5.110	5.128	-0.018	93	57675	0.5000	0.5172	
27 n,n'-Dimethylaniline	120	5.116	5.134	-0.018	94	51031	0.5000	0.4761	
37 1,2,4-Trichlorobenzene	180	5.763	5.769	-0.006	93	29573	0.5000	0.4852	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	100	7643959	40.0	40.0	
\$ 51 2-Fluorobiphenyl	172	6.898	6.910	-0.012	96	52131	0.5000	0.4241	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	92	3272534	40.0	40.0	
83 Hexachlorobenzene	284	8.663	8.663	0.000	96	10938	0.5000	0.4758	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	4024493	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.627	10.633	-0.006	98	23931	0.5000	0.4497	
101 Benzo[a]anthracene	228	11.851	11.857	-0.006	97	32324	0.5000	0.5712	
* 102 Chrysene-d12	240	11.869	11.869	0.000	100	1803527	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.304	13.310	-0.006	97	23165	0.5000	0.5767	
107 Benzo[k]fluoranthene	252	13.339	13.345	-0.006	97	24228	0.5000	0.5704	
108 Benzo[a]pyrene	252	13.757	13.768	-0.011	96	20438	0.5000	0.5546	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1286787	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.451	15.468	-0.017	94	20084	0.5000	0.6455	M
111 Dibenz(a,h)anthracene	278	15.498	15.510	-0.012	84	19004	0.5000	0.6011	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L1_00011

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12339.D

Injection Date: 31-Mar-2016 07:35:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std05

Worklist Smp#: 10

Client ID:

Injection Vol: 1.0 ul

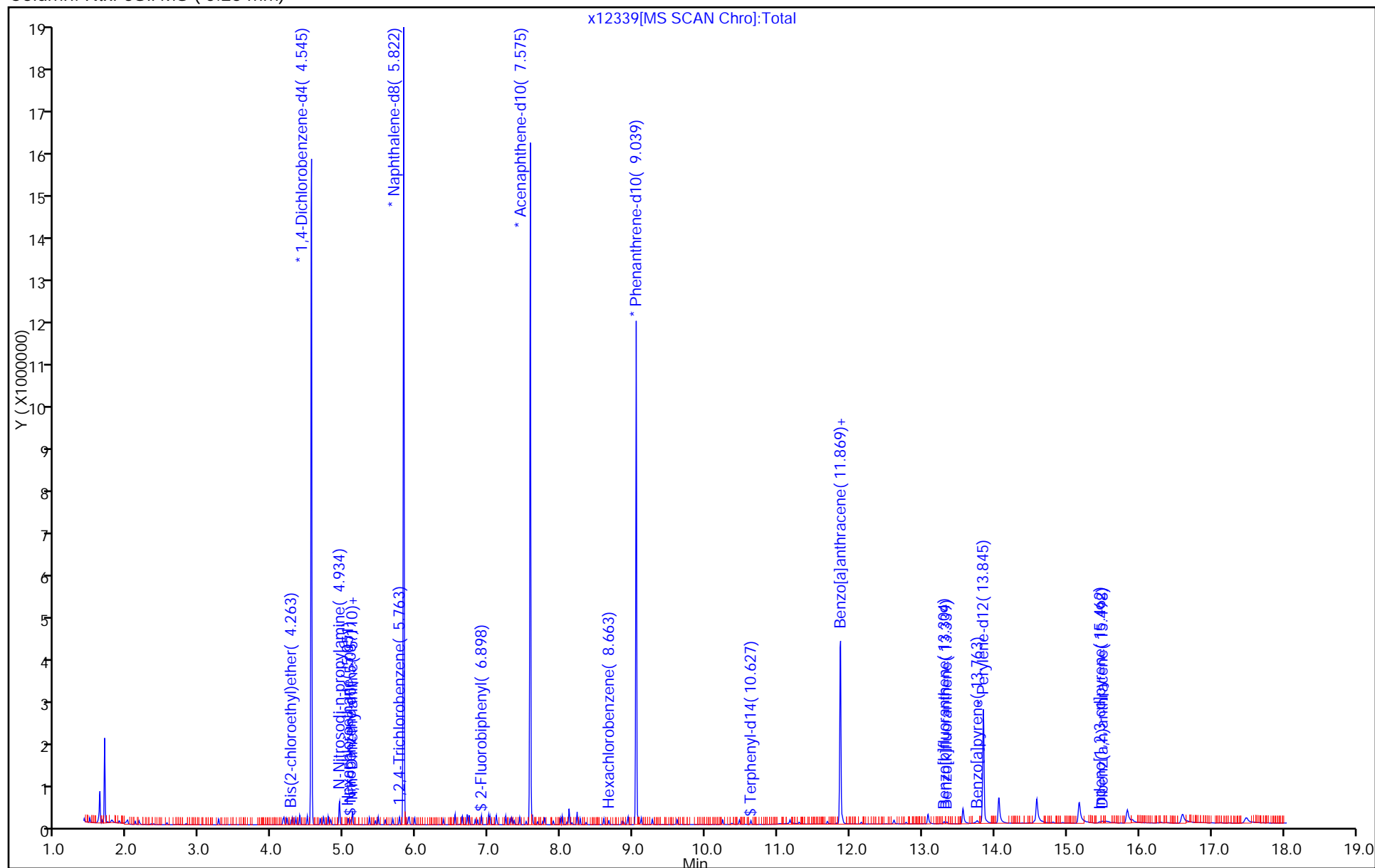
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12339.D

Injection Date: 31-Mar-2016 07:35:30

Instrument ID: CBNAMS5

Lims ID: std05

Client ID:

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

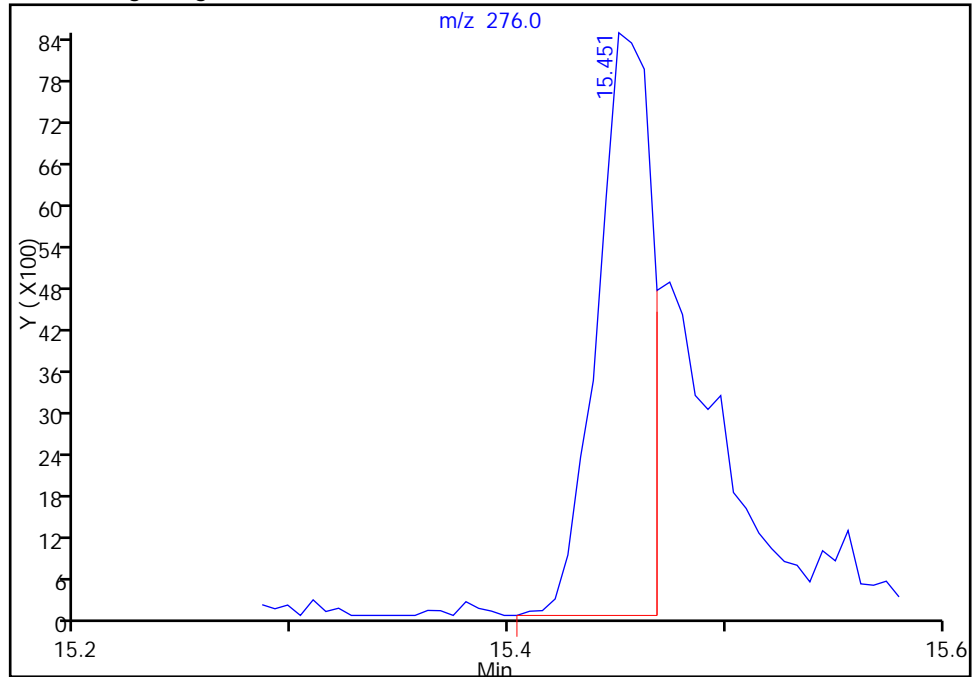
Detector

MS SCAN

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

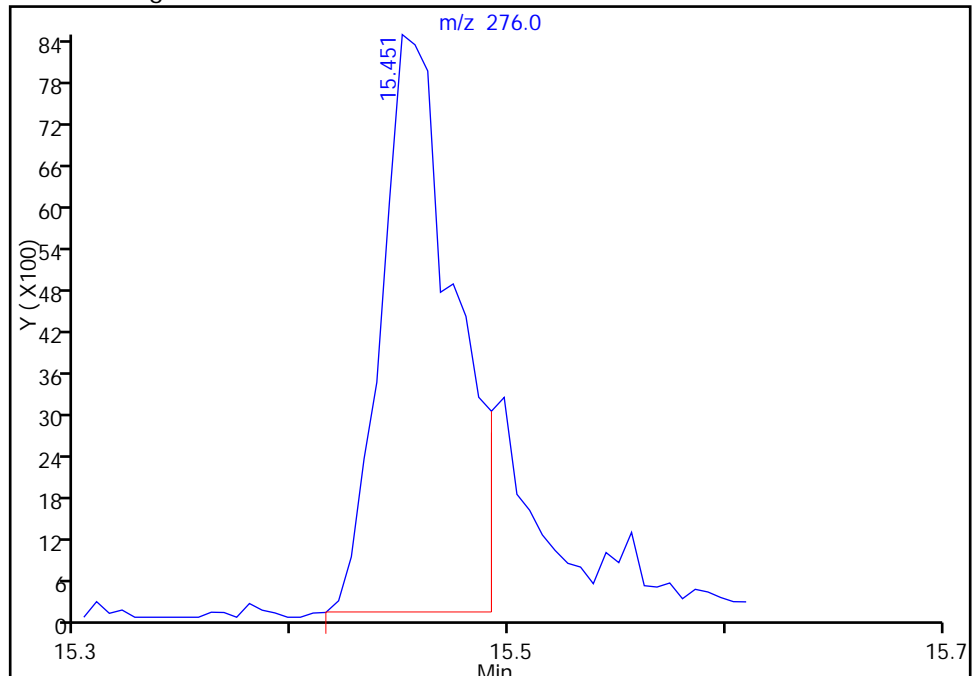
Processing Integration Results

RT: 15.45
Area: 15032
Amount: 0.497965
Amount Units: ug/ml



Manual Integration Results

RT: 15.45
Area: 20084
Amount: 0.645543
Amount Units: ug/ml



Reviewer: szczecha, 31-Mar-2016 09:53:27

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12339.D

Injection Date: 31-Mar-2016 07:35:30

Instrument ID: CBNAMS5

Lims ID: std05

Client ID:

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

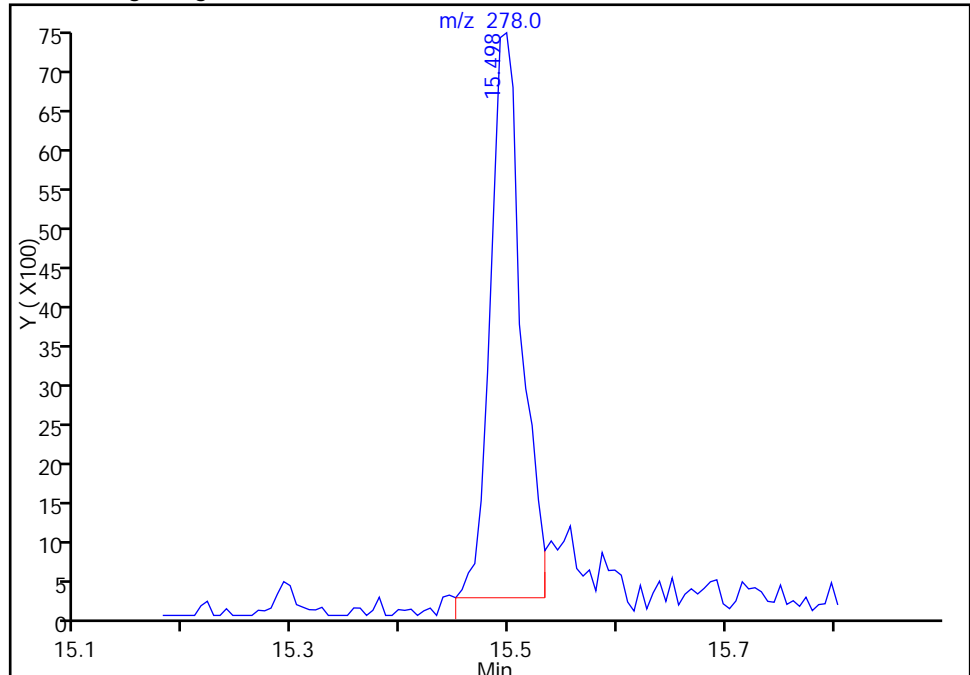
Detector

MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

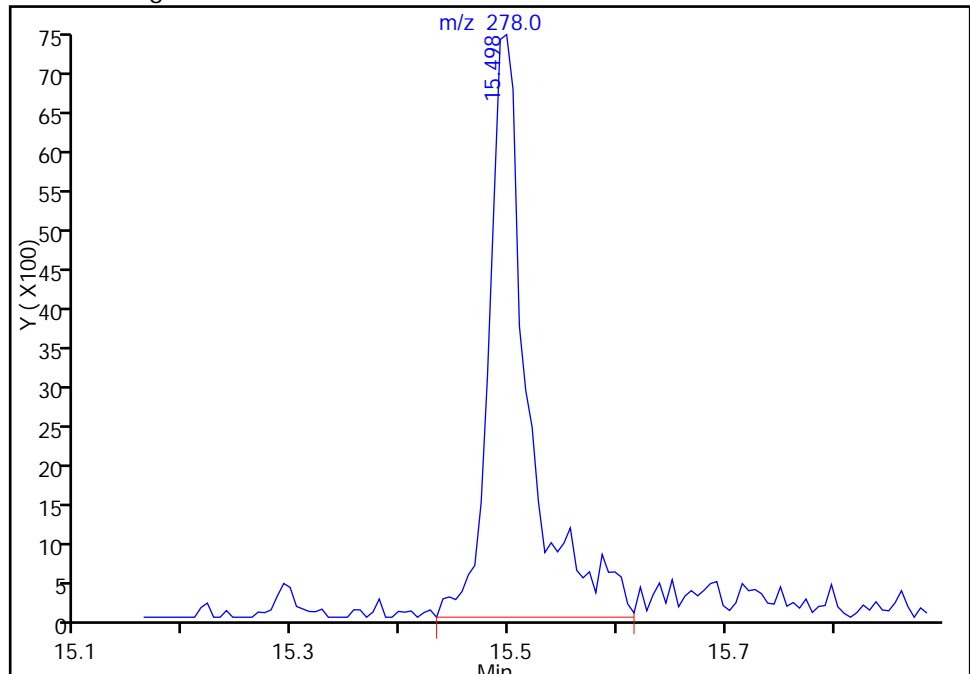
RT: 15.50
Area: 14597
Amount: 0.476498
Amount Units: ug/ml

Processing Integration Results



RT: 15.50
Area: 19004
Amount: 0.601140
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 31-Mar-2016 09:53:27

Audit Action: Manually Integrated

Audit Reason: Baseline

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

Lab Name: TestAmerica Edison Job No.: 460-111539-1 Analy Batch No.: 359755

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2016 08:00 Calibration End Date: 03/31/2016 10:26 Calibration ID: 55122

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 460-359755/17	x12346.D
Level 2	STD5 460-359755/16	x12345.D
Level 3	STD10 460-359755/15	x12344.D
Level 4	STD20 460-359755/14	x12343.D
Level 5	STD50 460-359755/11	x12340.D
Level 6	STD80 460-359755/13	x12342.D
Level 7	STD120 460-359755/12	x12341.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzaldehyde	1.2738	1.2049 1.3525	1.1795	1.2830	1.4185	Ave		1.2853			0.0100	7.0		20.0			
Caprolactam	0.0778	0.0650 0.0791	0.0677	0.0780	0.0846	Ave		0.0753			0.0100	9.9		20.0			
Atrazine	0.1964 0.2073	0.2046 0.2095	0.2075	0.2330	0.2320	Ave		0.2129			0.0100	6.6		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111539-1 Analy Batch No.: 359755

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2016 08:00 Calibration End Date: 03/31/2016 10:26 Calibration ID: 55122

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 460-359755/17	x12346.D
Level 2	STD5 460-359755/16	x12345.D
Level 3	STD10 460-359755/15	x12344.D
Level 4	STD20 460-359755/14	x12343.D
Level 5	STD50 460-359755/11	x12340.D
Level 6	STD80 460-359755/13	x12342.D
Level 7	STD120 460-359755/12	x12341.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCB	Ave	6021904	332543 9040289	650695	1440948	3550293	80.0	5.00 120	10.0	20.0	50.0
Caprolactam	NPT	Ave	1225727	62153 1821084	128675	299153	773530	80.0	5.00 120	10.0	20.0	50.0
Atrazine	PHN	Ave	42846 1739577	100434 2511887	206629	463677	1158161	2.00 80.0	5.00 120	10.0	20.0	50.0

Curve Type Legend:

Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12340.D
 Lims ID: std50
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 31-Mar-2016 08:00:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-011
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 13:00:54 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: szczech

Date: 31-Mar-2016 10:01:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.110	4.110	0.000	97	3550293	50.0	55.2	
* 14 1,4-Dichlorobenzene-d4	152	4.546	4.546	0.000	98	2002309	40.0	40.0	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	7314852	40.0	40.0	
42 Caprolactam	113	6.228	6.228	0.000	92	773530	50.0	56.1	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	92	3226676	40.0	40.0	
84 Atrazine	200	8.757	8.757	0.000	93	1158161	50.0	54.5	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	3994376	40.0	40.0	
* 102 Chrysene-d12	240	11.869	11.869	0.000	100	1801649	40.0	40.0	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1183959	40.0	40.0	

Reagents:

SV_IC-S_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12340.D

Injection Date: 31-Mar-2016 08:00:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std50

Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul

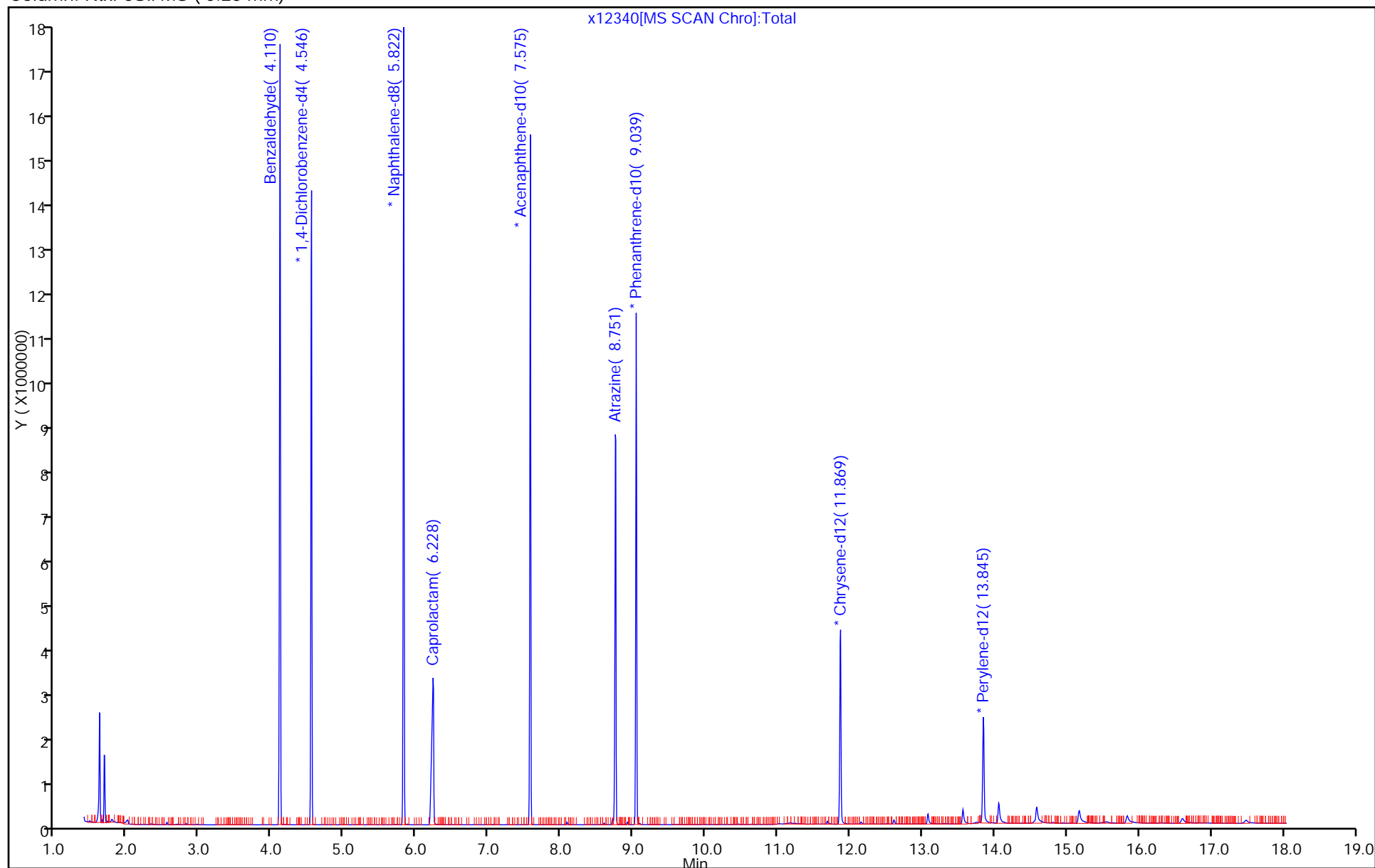
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12341.D
 Lims ID: std120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 31-Mar-2016 08:24:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-012
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 13:01:01 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: szczecha

Date: 31-Mar-2016 10:02:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.116	4.110	0.006	97	9040289	120.0	126.3	
* 14 1,4-Dichlorobenzene-d4	152	4.545	4.546	-0.001	98	2228119	40.0	40.0	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	7676917	40.0	40.0	
42 Caprolactam	113	6.257	6.228	0.029	93	1821084	120.0	125.9	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	97	3063506	40.0	40.0	
84 Atrazine	200	8.763	8.757	0.006	93	2511887	120.0	118.1	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	3996932	40.0	40.0	
* 102 Chrysene-d12	240	11.868	11.869	-0.001	99	1773256	40.0	40.0	
* 109 Perylene-d12	264	13.851	13.845	0.006	98	1252120	40.0	40.0	

Reagents:

SV_IC-S_L8_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\x12341.D

Injection Date: 31-Mar-2016 08:24:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std120

Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul

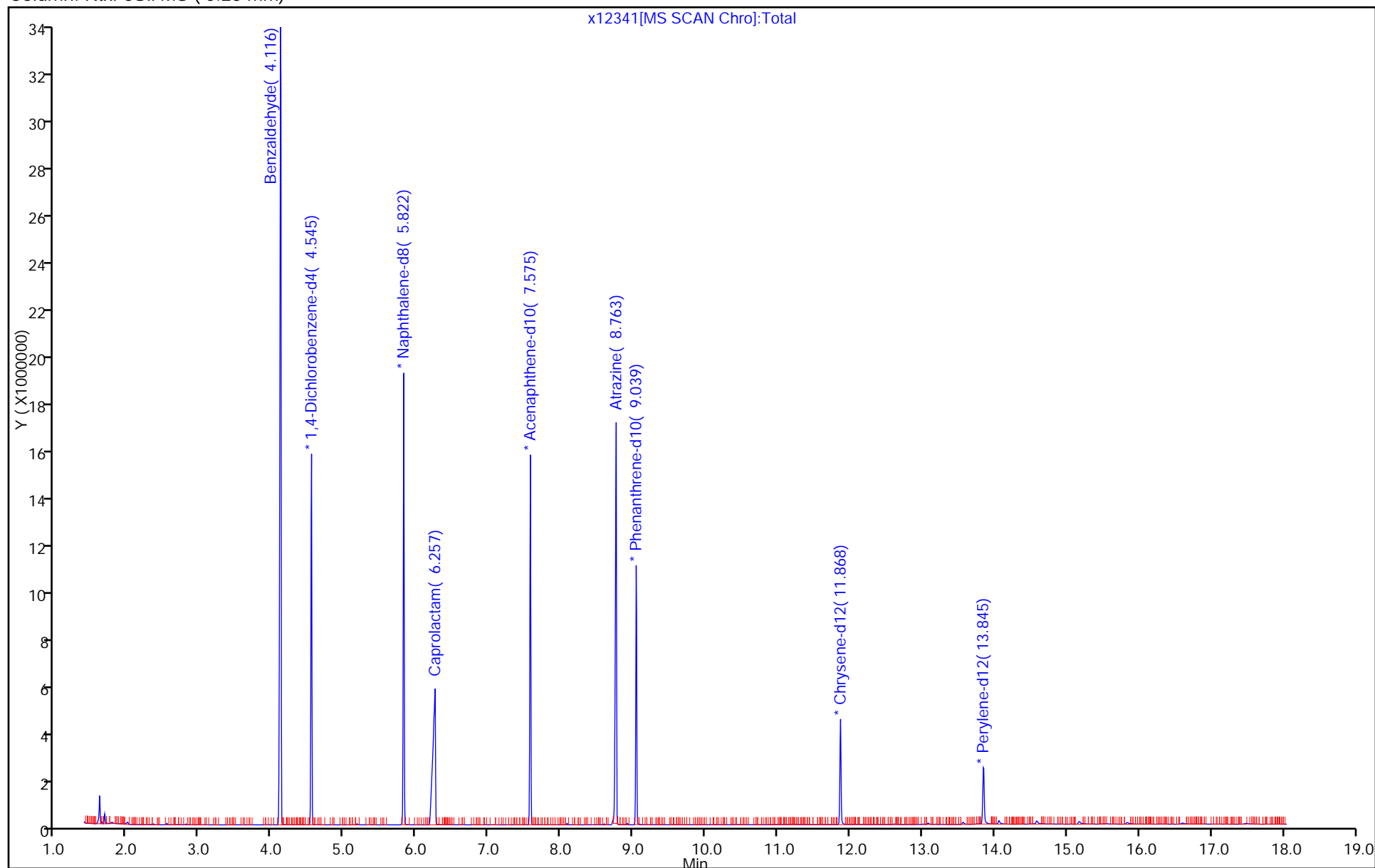
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12342.D
 Lims ID: std80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 31-Mar-2016 08:48:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-013
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 13:01:09 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: szczech

Date: 31-Mar-2016 10:02:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.116	4.110	0.006	97	6021904	80.0	79.3	
* 14 1,4-Dichlorobenzene-d4	152	4.546	4.546	0.000	98	2363746	40.0	40.0	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	7878287	40.0	40.0	
42 Caprolactam	113	6.240	6.228	0.012	93	1225727	80.0	82.6	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	96	3196930	40.0	40.0	
84 Atrazine	200	8.757	8.757	0.000	93	1739577	80.0	77.9	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	4196307	40.0	40.0	
* 102 Chrysene-d12	240	11.869	11.869	0.000	100	1864408	40.0	40.0	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1322536	40.0	40.0	

Reagents:

SV_IC-S_L7_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12342.D

Injection Date: 31-Mar-2016 08:48:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std80

Worklist Smp#: 13

Client ID:

Injection Vol: 1.0 ul

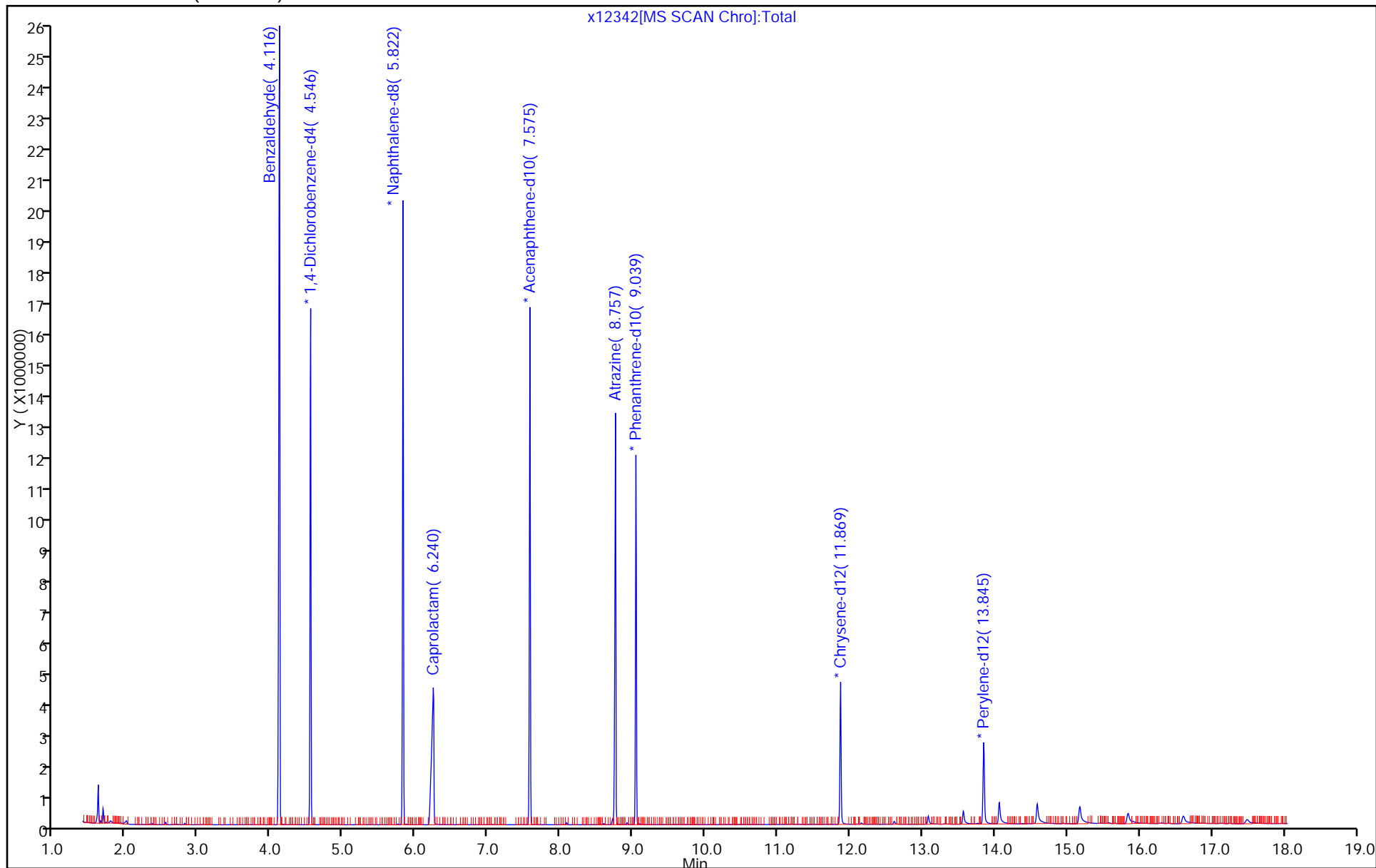
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12343.D
 Lims ID: std20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 31-Mar-2016 09:13:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-014
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 13:01:20 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: szczech

Date: 31-Mar-2016 10:03:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.104	4.110	-0.006	96	1440948	20.0	20.0	
* 14 1,4-Dichlorobenzene-d4	152	4.546	4.546	0.000	98	2246212	40.0	40.0	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	99	7671877	40.0	40.0	
42 Caprolactam	113	6.210	6.228	-0.018	94	299153	20.0	20.7	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	96	3021194	40.0	40.0	
84 Atrazine	200	8.751	8.757	-0.006	93	463677	20.0	21.9	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	3980030	40.0	40.0	
* 102 Chrysene-d12	240	11.869	11.869	0.000	100	1768409	40.0	40.0	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1198790	40.0	40.0	

Reagents:

SV_IC-S_L5_00007

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12343.D

Injection Date: 31-Mar-2016 09:13:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std20

Worklist Smp#: 14

Client ID:

Injection Vol: 1.0 ul

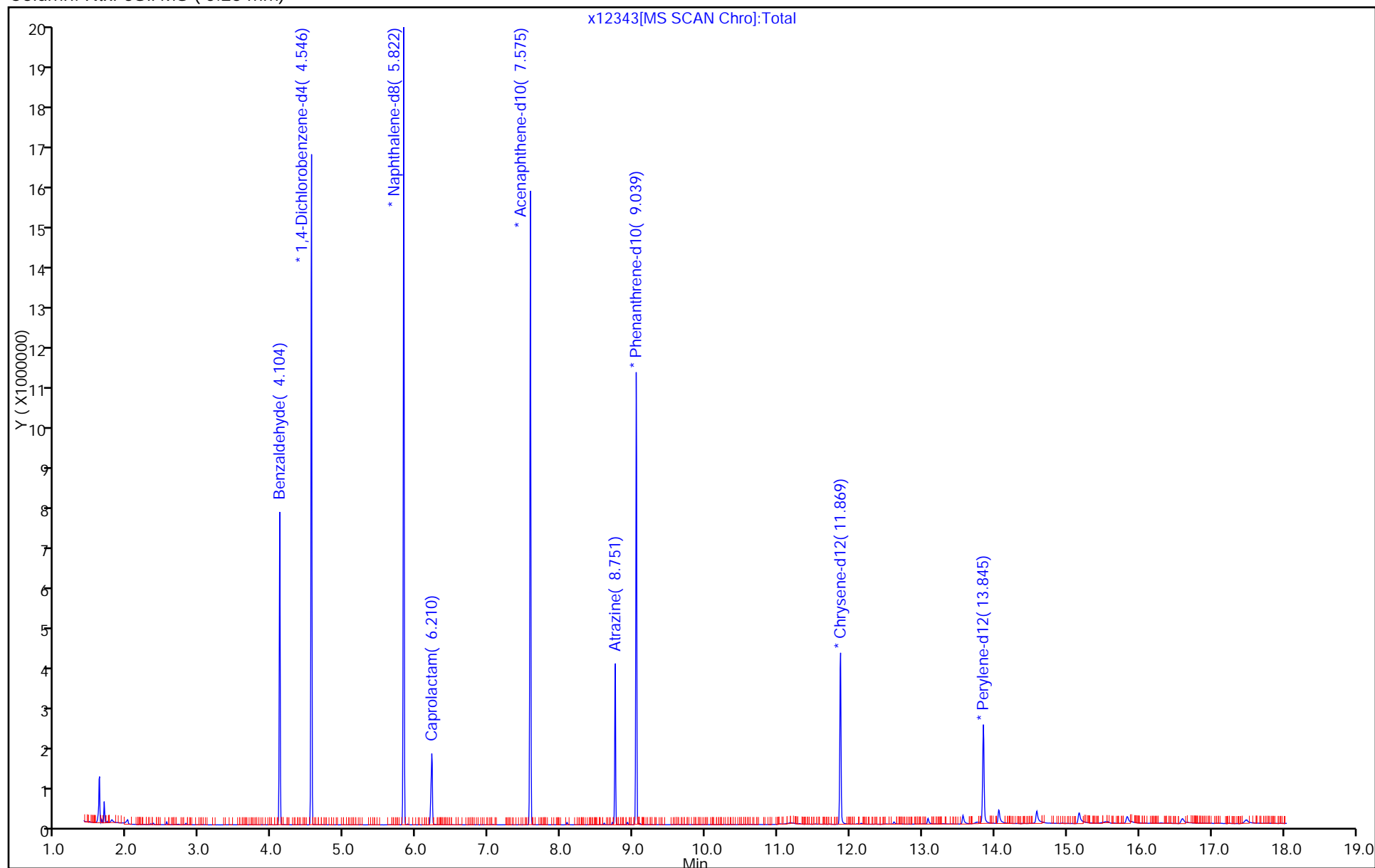
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12344.D
 Lims ID: std10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 31-Mar-2016 09:37:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-015
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 13:01:31 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: bayoumiw

Date: 31-Mar-2016 11:22:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.104	4.110	-0.006	93	650695	10.0	9.18	
* 14 1,4-Dichlorobenzene-d4	152	4.545	4.546	-0.001	98	2206738	40.0	40.0	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	100	7605138	40.0	40.0	e
42 Caprolactam	113	6.204	6.228	-0.024	92	128675	10.0	8.98	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	97	3011889	40.0	40.0	
84 Atrazine	200	8.745	8.757	-0.012	89	206629	10.0	9.75	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	3983944	40.0	40.0	
* 102 Chrysene-d12	240	11.868	11.869	-0.001	99	1703984	40.0	40.0	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1201482	40.0	40.0	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Reagents:

SV_IC-S_L4_00019

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12344.D

Injection Date: 31-Mar-2016 09:37:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std10

Worklist Smp#: 15

Client ID:

Injection Vol: 1.0 ul

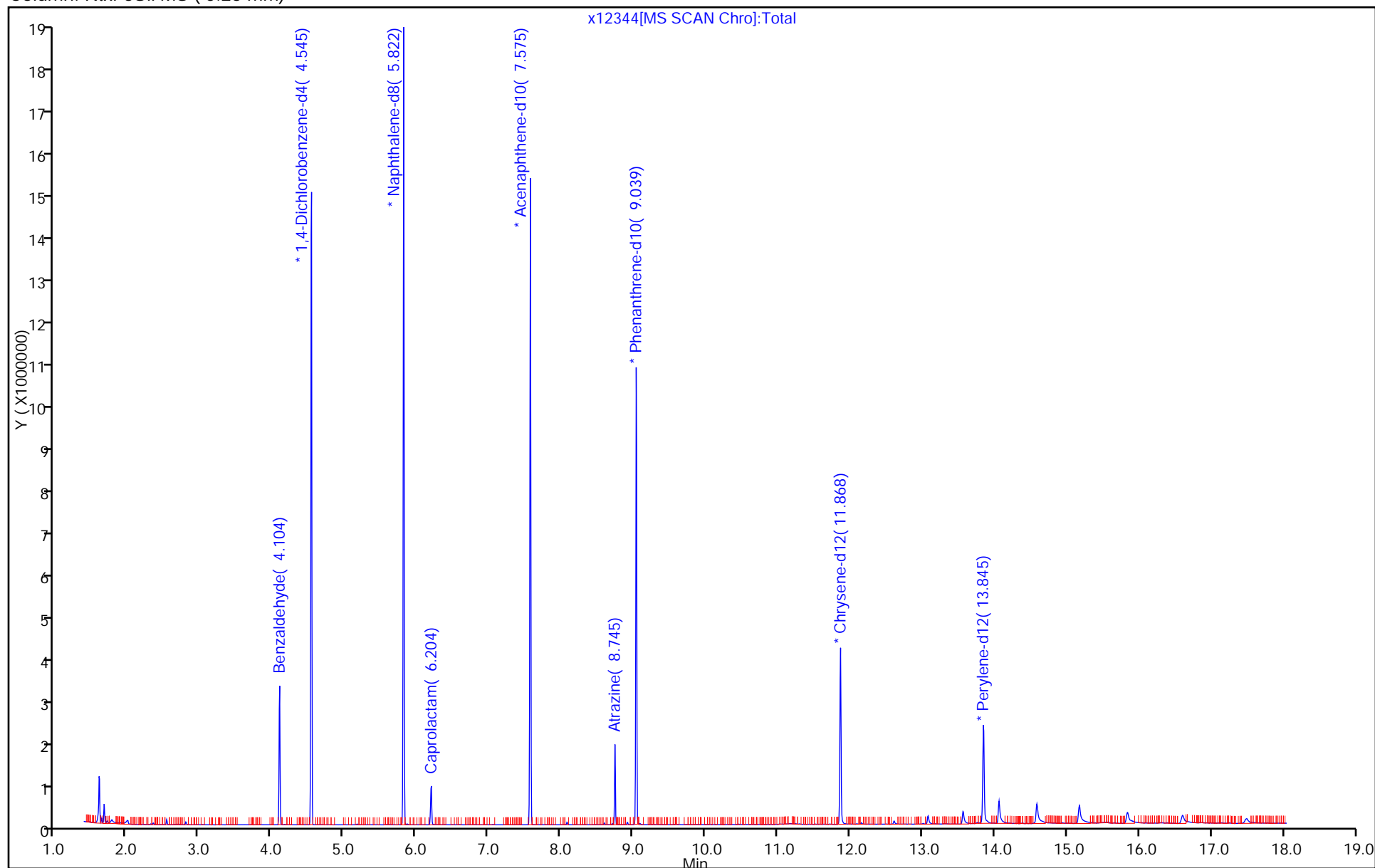
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12345.D
 Lims ID: std5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 31-Mar-2016 10:02:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-016
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 13:01:39 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: bayoumiw

Date: 31-Mar-2016 11:22:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.104	4.110	-0.006	96	332543	5.00	4.69	
* 14 1,4-Dichlorobenzene-d4	152	4.545	4.546	-0.001	98	2207972	40.0	40.0	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	100	7655360	40.0	40.0	e
42 Caprolactam	113	6.198	6.228	-0.030	93	62153	5.00	4.31	
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	92	3319476	40.0	40.0	
84 Atrazine	200	8.745	8.757	-0.012	92	100434	5.00	4.81	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	3926624	40.0	40.0	
* 102 Chrysene-d12	240	11.868	11.869	-0.001	99	1631767	40.0	40.0	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1151252	40.0	40.0	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Reagents:

SV_IC-S_L3_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12345.D

Injection Date: 31-Mar-2016 10:02:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std5

Worklist Smp#: 16

Client ID:

Injection Vol: 1.0 ul

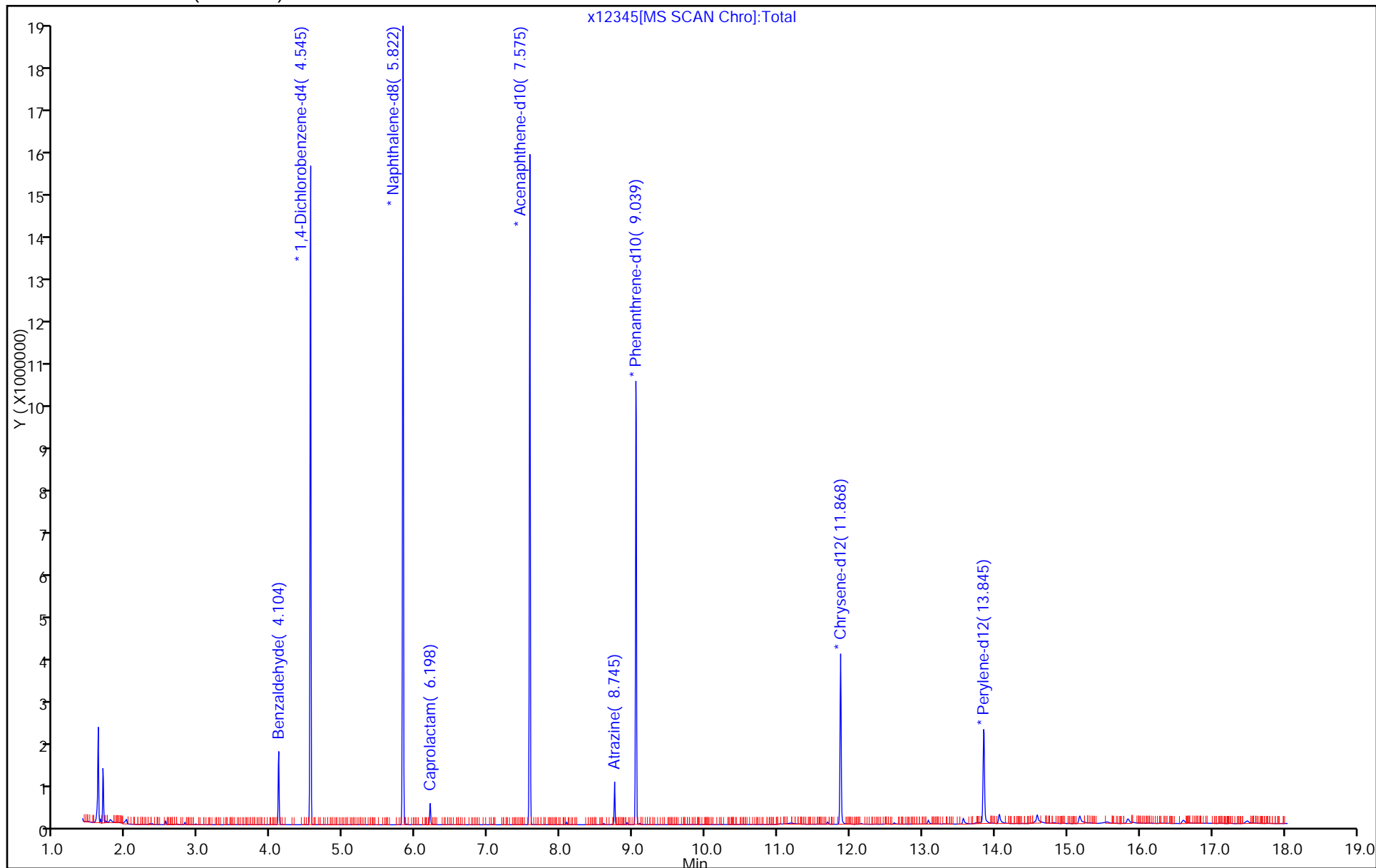
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Lims ID: std2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 31-Mar-2016 10:26:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-017
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 13:01:46 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: bayoumiw

Date: 31-Mar-2016 11:22:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.545	4.546	-0.001	98	2433713	40.0	40.0	
* 38 Naphthalene-d8	136	5.822	5.822	0.000	100	8087994	40.0	40.0	e
* 65 Acenaphthene-d10	164	7.575	7.575	0.000	96	3291042	40.0	40.0	
84 Atrazine	200	8.745	8.757	-0.012	93	42846	2.00	1.85	
* 88 Phenanthrene-d10	188	9.039	9.039	0.000	99	4362605	40.0	40.0	
* 102 Chrysene-d12	240	11.868	11.869	-0.001	99	1770653	40.0	40.0	
* 109 Perylene-d12	264	13.845	13.845	0.000	98	1263122	40.0	40.0	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Reagents:

SV_IC-S_L2_00007

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160331-39236.b\\x12346.D

Injection Date: 31-Mar-2016 10:26:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std2

Worklist Smp#: 17

Client ID:

Injection Vol: 1.0 ul

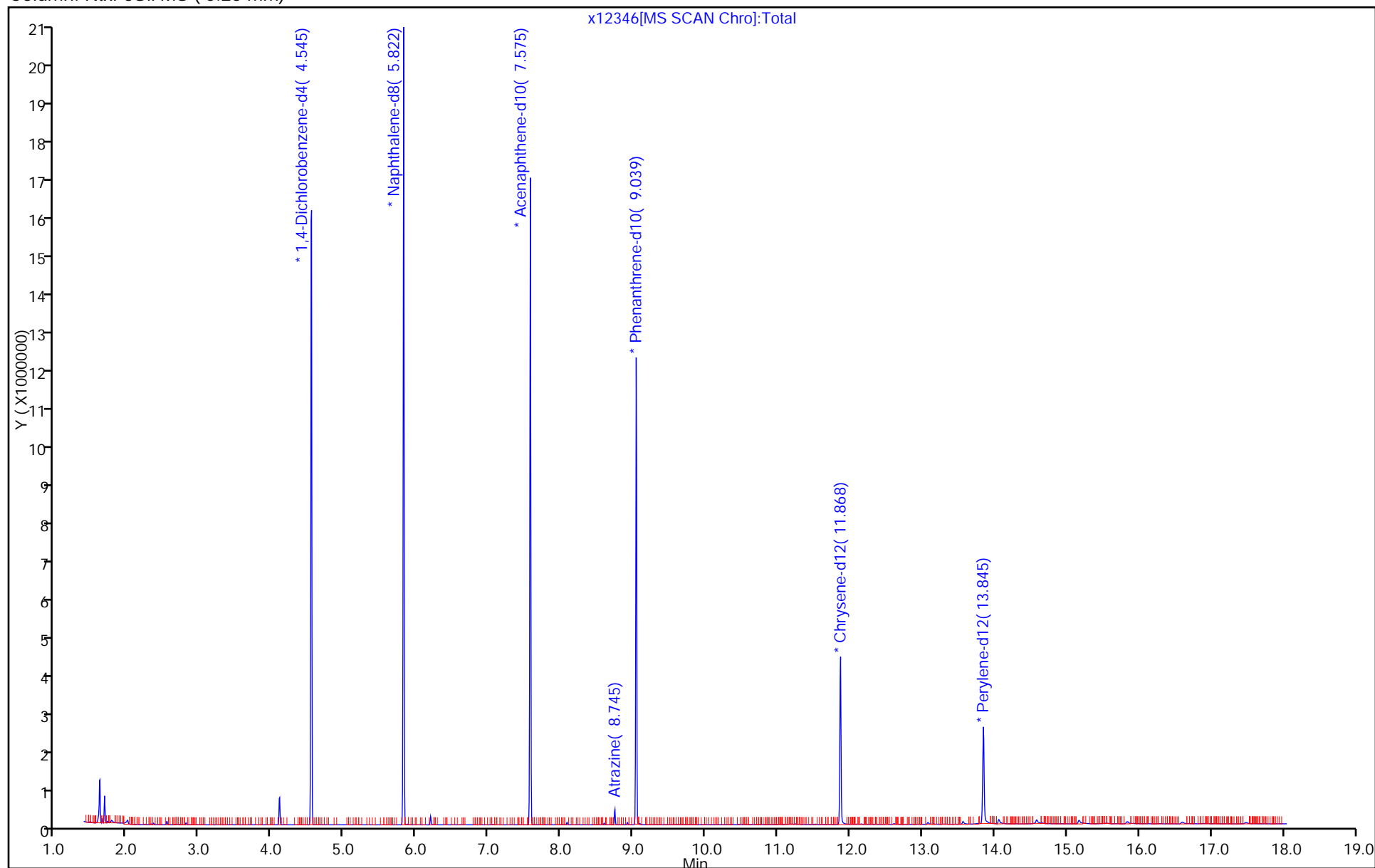
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Lab Sample ID: ICV 460-359755/18 Calibration Date: 03/31/2016 10:50

Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 04:19

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 07:35

Lab File ID: x12347.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6841	0.6871	0.0100	25100	25000	0.4	30.0
N-Nitrosodimethylamine	Ave	0.8933	0.7715		21600	25000	-13.6	30.0
Pyridine	Ave	1.599	1.651		25800	25000	3.3	30.0
Phenol	Ave	1.723	1.703	0.8000	24700	25000	-1.2	30.0
Aniline	Ave	2.049	1.999		24400	25000	-2.5	30.0
Bis(2-chloroethyl)ether	Ave	1.301	1.308	0.7000	25100	25000	0.6	30.0
2-Chlorophenol	Ave	1.377	1.395	0.8000	25300	25000	1.3	30.0
n-Decane	Ave	1.316	1.296	0.0100	24600	25000	-1.5	30.0
1,3-Dichlorobenzene	Ave	1.577	1.599		25400	25000	1.4	30.0
1,4-Dichlorobenzene	Ave	1.604	1.631		25400	25000	1.7	30.0
Benzyl alcohol	Ave	0.7912	0.8048	0.0100	25400	25000	1.7	30.0
1,2-Dichlorobenzene	Ave	1.471	1.468		24900	25000	-0.2	30.0
2-Methylphenol	Ave	1.172	1.223	0.7000	26100	25000	4.4	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.217	1.244	0.0100	25600	25000	2.2	30.0
3 & 4 Methylphenol	Ave	1.333	1.382		25900	25000	3.7	30.0
4-Methylphenol	Ave	1.333	1.382	0.6000	25900	25000	3.7	30.0
Acetophenone	Ave	1.772	1.809	0.0100	25500	25000	2.1	30.0
N-Nitrosodi-n-propylamine	Ave	0.8908	0.8896	0.5000	25000	25000	-0.1	30.0
Hexachloroethane	Ave	0.6026	0.6309	0.3000	26200	25000	4.7	30.0
Nitrobenzene	Ave	0.5835	0.5889	0.2000	25200	25000	0.9	30.0
n,n'-Dimethylaniline	Ave	1.940	1.945	0.0100	25100	25000	0.2	30.0
Isophorone	Ave	0.6130	0.6305	0.4000	25700	25000	2.8	30.0
2-Nitrophenol	Ave	0.1878	0.1850	0.1000	24600	25000	-1.4	30.0
2,4-Dimethylphenol	Ave	0.2983	0.2875	0.2000	24100	25000	-3.6	30.0
Bis(2-chloroethoxy)methane	Ave	0.3799	0.3738	0.3000	24600	25000	-1.6	30.0
Benzoic acid	Ave	0.1466	0.1530		26100	25000	4.3	30.0
2,4-Dichlorophenol	Ave	0.2714	0.2711	0.2000	25000	25000	-0.1	30.0
1,2,4-Trichlorobenzene	Ave	0.3189	0.3301		25900	25000	3.5	30.0
Naphthalene	Ave	0.9474	1.049	0.7000	27700	25000	10.7	30.0
4-Chloroaniline	Ave	0.3953	0.3773	0.0100	23900	25000	-4.6	30.0
Hexachlorobutadiene	Ave	0.1932	0.1984	0.0100	25700	25000	2.7	30.0
4-Chloro-3-methylphenol	Ave	0.2594	0.2629		25300	25000	1.3	30.0
2-Methylnaphthalene	Ave	0.6213	0.6041	0.4000	24300	25000	-2.8	30.0
1-Methylnaphthalene	Ave	0.5289	0.5601	0.0100	26500	25000	5.9	30.0
Hexachlorocyclopentadiene	Ave	0.4406	0.3992	0.0500	22700	25000	-9.4	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6454	0.6553	0.0100	25400	25000	1.5	30.0
2-tertbutyl-4-methylphenol	Ave	0.4116	0.4168	0.0100	25300	25000	1.3	30.0
2,4,6-Trichlorophenol	Ave	0.3937	0.4003	0.2000	25400	25000	1.7	30.0
2,4,5-Trichlorophenol	Ave	0.3952	0.4162	0.2000	26300	25000	5.3	30.0
1,1'-Biphenyl	Ave	1.641	1.723	0.0100	26300	25000	5.0	30.0
2-Chloronaphthalene	Ave	1.270	1.314	0.8000	25900	25000	3.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Lab Sample ID: ICV 460-359755/18 Calibration Date: 03/31/2016 10:50

Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 04:19

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 07:35

Lab File ID: x12347.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8566	0.8817	0.0100	25700	25000	2.9	30.0
2-Nitroaniline	Ave	0.4440	0.4611	0.0100	26000	25000	3.9	30.0
1,3-Dimethylnaphthalene	Ave	1.022	1.082	0.0100	26500	25000	5.9	30.0
Dimethyl phthalate	Ave	1.152	1.152	0.0100	25000	25000	0.0	30.0
Coumarin	Ave	0.1425	0.1359	0.0100	23800	25000	-4.6	30.0
2,6-Dinitrotoluene	Ave	0.2616	0.2689	0.2000	25700	25000	2.8	30.0
Acenaphthylene	Ave	1.697	1.700	0.9000	25000	25000	0.2	30.0
3-Nitroaniline	Ave	0.2634	0.2603	0.0100	24700	25000	-1.2	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.225	1.248	0.0100	25500	25000	1.9	30.0
Acenaphthene	Ave	1.210	1.295	0.9000	26800	25000	7.0	30.0
2,4-Dinitrophenol	Lin2		0.1287	0.0100	43400	50000	-13.2	30.0
4-Nitrophenol	Ave	0.2017	0.1964	0.0100	48700	50000	-2.6	30.0
2,4-Dinitrotoluene	Ave	0.3043	0.3023	0.2000	24800	25000	-0.6	30.0
Dibenzofuran	Ave	1.520	1.543	0.8000	25400	25000	1.5	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.2685	0.2686	0.0100	25000	25000	0.0	30.0
Diethyl phthalate	Ave	1.030	1.026	0.0100	24900	25000	-0.4	30.0
4-Chlorophenyl phenyl ether	Ave	0.5774	0.5776	0.4000	25000	25000	0.0	30.0
Fluorene	Ave	1.187	1.202	0.9000	25300	25000	1.2	30.0
4-Nitroaniline	Ave	0.2321	0.2247	0.0100	24200	25000	-3.2	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1451	0.0100	48900	50000	-2.2	30.0
N-Nitrosodiphenylamine	Ave	0.6640	0.8492	0.0100	54400	42500	27.9	30.0
1,2-Diphenylhydrazine	Ave	1.016	1.155	0.0100	28400	25000	13.7	30.0
4-Bromophenyl phenyl ether	Ave	0.2359	0.2506	0.1000	26600	25000	6.2	30.0
Hexachlorobenzene	Ave	0.2285	0.2517	0.1000	27500	25000	10.1	30.0
Pentachlorophenol	Ave	0.1391	0.1535	0.0500	55100	50000	10.3	30.0
Pentachloronitrobenzene	Ave	0.0987	0.1112	0.0100	28200	25000	12.6	30.0
n-Octadecane	Ave	0.5337	0.5591	0.0100	26200	25000	4.8	30.0
Phenanthrene	Ave	1.141	1.159	0.7000	25400	25000	1.6	30.0
Anthracene	Ave	1.152	1.176	0.7000	25500	25000	2.1	30.0
Carbazole	Ave	0.9010	0.8830	0.0100	24500	25000	-2.0	30.0
Di-n-butyl phthalate	Ave	1.094	1.119	0.0100	25600	25000	2.3	30.0
Fluoranthene	Ave	0.9272	0.8861	0.6000	23900	25000	-4.4	30.0
Benzidine	Qua		0.3294		23300	25000	-6.7	30.0
Pyrene	Ave	1.708	1.720	0.6000	25200	25000	0.7	30.0
Bisphenol-A	Ave	0.6761	0.6390		23600	25000	-5.5	30.0
Butyl benzyl phthalate	Ave	0.6498	0.6830	0.0100	26300	25000	5.1	30.0
Carbamazepine	Ave	0.5064	0.4994	0.0100	24700	25000	-1.4	30.0
3,3'-Dichlorobenzidine	Ave	0.4005	0.4094	0.0100	25600	25000	2.2	30.0
Benzo[a]anthracene	Ave	1.255	1.232	0.8000	24500	25000	-1.8	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.8482	0.8576	0.0100	25300	25000	1.1	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111539-1
 SDG No.: _____
 Lab Sample ID: ICV 460-359755/18 Calibration Date: 03/31/2016 10:50
 Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 04:19
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 07:35
 Lab File ID: x12347.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chrysene	Ave	1.110	1.175	0.7000	26500	25000	5.9	30.0
Di-n-octyl phthalate	Ave	1.624	1.722	0.0100	26500	25000	6.0	30.0
Benzo[b]fluoranthene	Ave	1.249	1.194	0.7000	23900	25000	-4.4	30.0
Benzo[k]fluoranthene	Ave	1.320	1.332	0.7000	25200	25000	0.9	30.0
Benzo[a]pyrene	Ave	1.146	1.142	0.7000	24900	25000	-0.3	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.9671	0.9138	0.5000	23600	25000	-5.5	30.0
Dibenz(a,h)anthracene	Ave	0.9827	1.001	0.4000	25500	25000	1.9	30.0
Benzo[g,h,i]perylene	Ave	0.9848	1.121	0.5000	28500	25000	13.8	30.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12347.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 31-Mar-2016 10:50:30 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-018
 Operator ID: Instrument ID: CBNAMS5
 Sublist:
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 13:01:46 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: bayoumiw

Date: 31-Mar-2016 11:21:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.875	1.863	0.012	92	869183	25.0	25.1	
2 N-Nitrosodimethylamine	74	2.099	2.099	-0.001	87	975943	25.0	21.6	
3 Pyridine	79	2.134	2.128	0.006	96	2088828	25.0	25.8	
7 Phenol	94	4.187	4.193	-0.006	98	2153737	25.0	24.7	
8 Aniline	93	4.216	4.222	-0.006	100	2528491	25.0	24.4	
9 Bis(2-chloroethyl)ether	93	4.281	4.281	0.000	99	1654975	25.0	25.1	
10 Benzonitrile	103	4.298	4.310	-0.012	66	3255978	NC	NC	
11 2-Chlorophenol	128	4.340	4.340	0.000	94	1764481	25.0	25.3	
12 n-Decane	43	4.392	4.387	0.005	84	1639679	25.0	24.6	
13 1,3-Dichlorobenzene	146	4.498	4.493	0.005	93	2023044	25.0	25.4	
* 14 1,4-Dichlorobenzene-d4	152	4.551	4.546	0.005	98	2023995	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.569	4.563	0.006	92	2063493	25.0	25.4	
16 Benzyl alcohol	108	4.681	4.681	0.000	91	1018092	25.0	25.4	
17 1,2-Dichlorobenzene	146	4.722	4.716	0.006	93	1856514	25.0	24.9	
18 2-Methylphenol	108	4.792	4.793	-0.001	87	1547368	25.0	26.1	
19 2,2'-oxybis[1-chloropropan	45	4.822	4.816	0.006	90	1574259	25.0	25.6	
20 N-Methylaniline	106	4.940	4.940	0.000	82	2565481	NC	NC	
21 Acetophenone	105	4.951	4.951	0.000	89	2288693	25.0	25.5	
23 3 & 4 Methylphenol	108	4.951	4.951	0.000	88	1748503	25.0	25.9	
24 4-Methylphenol	108	4.951	4.951	0.000	85	1748503	25.0	25.9	
22 N-Nitrosodi-n-propylamine	70	4.951	4.957	-0.006	89	1125292	25.0	25.0	
25 Hexachloroethane	117	5.063	5.057	0.006	95	798087	25.0	26.2	
28 Nitrobenzene	77	5.122	5.128	-0.006	97	2545690	25.0	25.2	
27 n,n'-Dimethylaniline	120	5.128	5.134	-0.006	92	2459864	25.0	25.1	
31 Isophorone	82	5.363	5.369	-0.006	100	2725291	25.0	25.7	
32 2-Nitrophenol	139	5.445	5.440	0.005	88	799898	25.0	24.6	
33 2,4-Dimethylphenol	122	5.487	5.481	0.006	87	1242936	25.0	24.1	
34 Bis(2-chloroethoxy)methane	93	5.581	5.575	0.006	99	1615967	25.0	24.6	
35 Benzoic acid	122	5.592	5.610	-0.018	88	661169	25.0	26.1	
36 2,4-Dichlorophenol	162	5.687	5.681	0.006	94	1171697	25.0	25.0	
37 1,2,4-Trichlorobenzene	180	5.775	5.769	0.006	94	1427095	25.0	25.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 38 Naphthalene-d8	136	5.834	5.822	0.012	99	6916357	40.0	40.0	
39 Naphthalene	128	5.851	5.846	0.005	99	4534258	25.0	27.7	
40 4-Chloroaniline	127	5.904	5.898	0.006	96	1631101	25.0	23.9	
41 Hexachlorobutadiene	225	5.981	5.975	0.006	93	857443	25.0	25.7	
43 4-Chloro-3-methylphenol	107	6.381	6.375	0.006	95	1136331	25.0	25.3	
44 2-Methylnaphthalene	142	6.545	6.540	0.005	85	2611457	25.0	24.3	
45 1-Methylnaphthalene	142	6.645	6.640	0.005	93	2421197	25.0	26.5	
46 Hexachlorocyclopentadiene	237	6.710	6.704	0.006	96	689977	25.0	22.7	
47 1,2,4,5-Tetrachlorobenzene	216	6.716	6.710	0.006	95	1132577	25.0	25.4	
48 2-tertbutyl-4-methylphenol	149	6.739	6.734	0.005	90	1801849	25.0	25.3	
49 2,4,6-Trichlorophenol	196	6.822	6.816	0.006	86	691921	25.0	25.4	
50 2,4,5-Trichlorophenol	196	6.857	6.851	0.006	94	719406	25.0	26.3	
52 1,1'-Biphenyl	154	7.010	7.010	0.000	94	2978392	25.0	26.3	
53 2-Chloronaphthalene	162	7.028	7.028	0.000	97	2271265	25.0	25.9	
54 Phenyl ether	170	7.116	7.110	0.006	87	1523912	25.0	25.7	
56 2-Nitroaniline	65	7.128	7.122	0.006	96	796909	25.0	26.0	
57 1,3-Dimethylnaphthalene	156	7.245	7.240	0.005	92	1869558	25.0	26.5	
58 Dimethyl phthalate	163	7.310	7.310	0.000	98	1991295	25.0	25.0	
59 Coumarin	146	7.333	7.328	0.005	71	587481	25.0	23.8	
60 2,6-Dinitrotoluene	165	7.369	7.363	0.006	94	464754	25.0	25.7	
61 Acenaphthylene	152	7.439	7.440	-0.001	98	2937620	25.0	25.0	
64 3-Nitroaniline	138	7.533	7.528	0.005	93	449905	25.0	24.7	
* 65 Acenaphthene-d10	164	7.586	7.575	0.011	92	2765491	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.598	7.592	0.006	96	2157812	25.0	25.5	
67 Acenaphthene	154	7.616	7.610	0.006	93	2237918	25.0	26.8	
68 2,4-Dinitrophenol	184	7.633	7.628	0.005	95	444994	50.0	43.4	
69 4-Nitrophenol	65	7.692	7.687	0.005	92	679025	50.0	48.7	
70 2,4-Dinitrotoluene	165	7.763	7.757	0.006	91	522555	25.0	24.8	
71 Dibenzofuran	168	7.786	7.786	0.000	95	2666583	25.0	25.4	
72 2,3,4,6-Tetrachlorophenol	232	7.904	7.898	0.006	92	464309	25.0	25.0	
73 Diethyl phthalate	149	8.010	8.004	0.006	98	1773231	25.0	24.9	
75 Fluorene	166	8.122	8.116	0.006	96	2077013	25.0	25.3	
74 4-Chlorophenyl phenyl ethe	204	8.122	8.116	0.006	86	998401	25.0	25.0	
76 4-Nitroaniline	138	8.133	8.134	-0.001	90	388439	25.0	24.2	
77 4,6-Dinitro-2-methylphenol	198	8.169	8.163	0.006	82	551597	50.0	48.9	
78 N-Nitrosodiphenylamine	169	8.239	8.234	0.005	66	2743293	42.5	54.4	
79 1,2-Diphenylhydrazine	77	8.275	8.269	0.006	97	2195702	25.0	28.4	
81 4-Bromophenyl phenyl ether	248	8.604	8.592	0.012	86	476211	25.0	26.6	
83 Hexachlorobenzene	284	8.675	8.663	0.012	98	478278	25.0	27.5	
85 Pentachlorophenol	266	8.863	8.857	0.006	91	583207	50.0	55.1	
86 Pentachloronitrobenzene	237	8.880	8.869	0.011	86	211273	25.0	28.2	
87 n-Octadecane	57	8.939	8.928	0.011	91	1062541	25.0	26.2	
* 88 Phenanthrene-d10	188	9.051	9.039	0.012	98	3040604	40.0	40.0	
89 Phenanthrene	178	9.075	9.063	0.012	97	2203433	25.0	25.4	
90 Anthracene	178	9.122	9.116	0.006	99	2235357	25.0	25.5	
91 Carbazole	167	9.275	9.269	0.006	96	1678084	25.0	24.5	
92 Di-n-butyl phthalate	149	9.616	9.610	0.006	99	2125615	25.0	25.6	
93 Fluoranthene	202	10.245	10.239	0.006	98	1683847	25.0	23.9	
94 Benzidine	184	10.374	10.369	0.005	99	626056	25.0	23.3	
95 Pyrene	202	10.480	10.475	0.005	98	1666969	25.0	25.2	
82 Bisphenol-A	213	10.516	10.510	0.006	99	619294	25.0	23.6	
97 Butyl benzyl phthalate	149	11.180	11.175	0.005	98	661965	25.0	26.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 Carbamazepine	193	11.310	11.304	0.006	91	483983	25.0	24.7	
100 3,3'-Dichlorobenzidine	252	11.827	11.822	0.005	99	396820	25.0	25.6	
101 Benzo[a]anthracene	228	11.863	11.857	0.006	98	1193969	25.0	24.5	
* 102 Chrysene-d12	240	11.874	11.869	0.005	99	1550746	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.898	11.892	0.006	88	831166	25.0	25.3	
103 Chrysene	228	11.910	11.904	0.006	99	1138901	25.0	26.5	
105 Di-n-octyl phthalate	149	12.786	12.780	0.006	97	1225628	25.0	26.5	
106 Benzo[b]fluoranthene	252	13.315	13.310	0.005	98	849281	25.0	23.9	
107 Benzo[k]fluoranthene	252	13.351	13.345	0.006	99	948139	25.0	25.2	
108 Benzo[a]pyrene	252	13.774	13.768	0.006	97	812948	25.0	24.9	
* 109 Perylene-d12	264	13.857	13.845	0.012	99	1138538	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.474	15.468	0.006	99	650223	25.0	23.6	
111 Dibenz(a,h)anthracene	278	15.509	15.510	-0.001	97	712256	25.0	25.5	
112 Benzo[g,h,i]perylene	276	15.927	15.927	0.000	98	797594	25.0	28.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

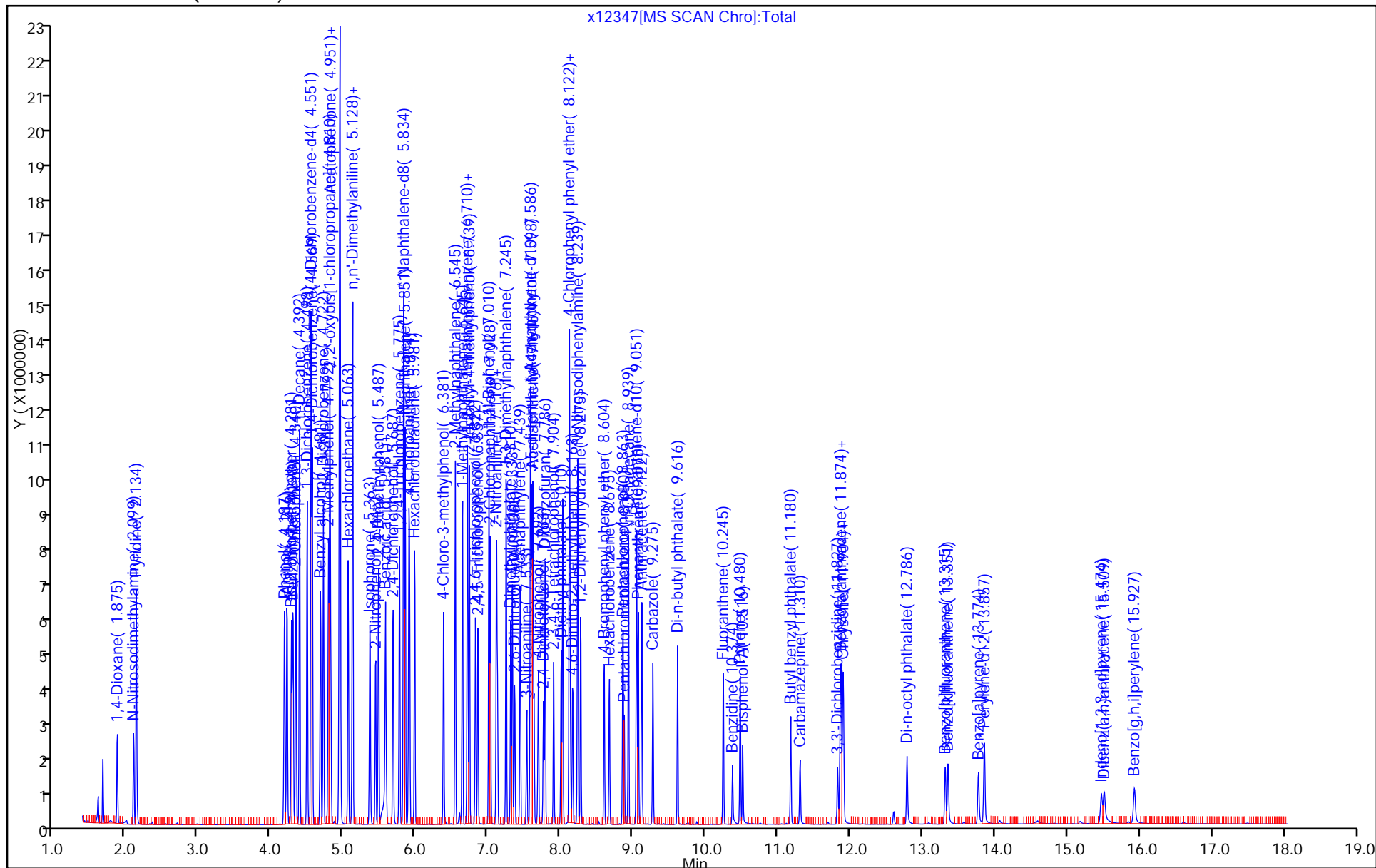
Reagents:

SM_ICV-long_00010

Amount Added: 1.00

Units: mL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111539-1
SDG No.: _____
Lab Sample ID: ICV 460-359755/19 Calibration Date: 03/31/2016 11:15
Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 08:00
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 10:26
Lab File ID: x12348.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.285	1.488	0.0100	28900	25000	15.8	30.0
Caprolactam	Ave	0.0753	0.0813	0.0100	27000	25000	7.9	30.0
Atrazine	Ave	0.2129	0.2421	0.0100	28400	25000	13.7	30.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12348.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 31-Mar-2016 11:15:30 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-019
 Operator ID: Instrument ID: CBNAMS5
 Sublist:
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 13:04:46 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: bayoumiw

Date: 31-Mar-2016 13:00:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.110	4.110	0.000	97	1912684	25.0	28.9	
* 14 1,4-Dichlorobenzene-d4	152	4.551	4.546	0.005	98	2056674	40.0	40.0	
* 38 Naphthalene-d8	136	5.828	5.822	0.006	100	7397912	40.0	40.0	e
42 Caprolactam	113	6.222	6.228	-0.006	93	376061	25.0	27.0	
* 65 Acenaphthene-d10	164	7.581	7.575	0.006	92	3093834	40.0	40.0	
84 Atrazine	200	8.757	8.757	0.000	93	565543	25.0	28.4	
* 88 Phenanthrene-d10	188	9.051	9.039	0.012	99	3738108	40.0	40.0	
* 102 Chrysene-d12	240	11.874	11.869	0.005	100	1599560	40.0	40.0	
* 109 Perylene-d12	264	13.857	13.845	0.012	98	1121706	40.0	40.0	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Reagents:

SM_ICV-short_00009

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\x12348.D

Injection Date: 31-Mar-2016 11:15:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: icv

Worklist Smp#: 19

Client ID:

Injection Vol: 1.0 ul

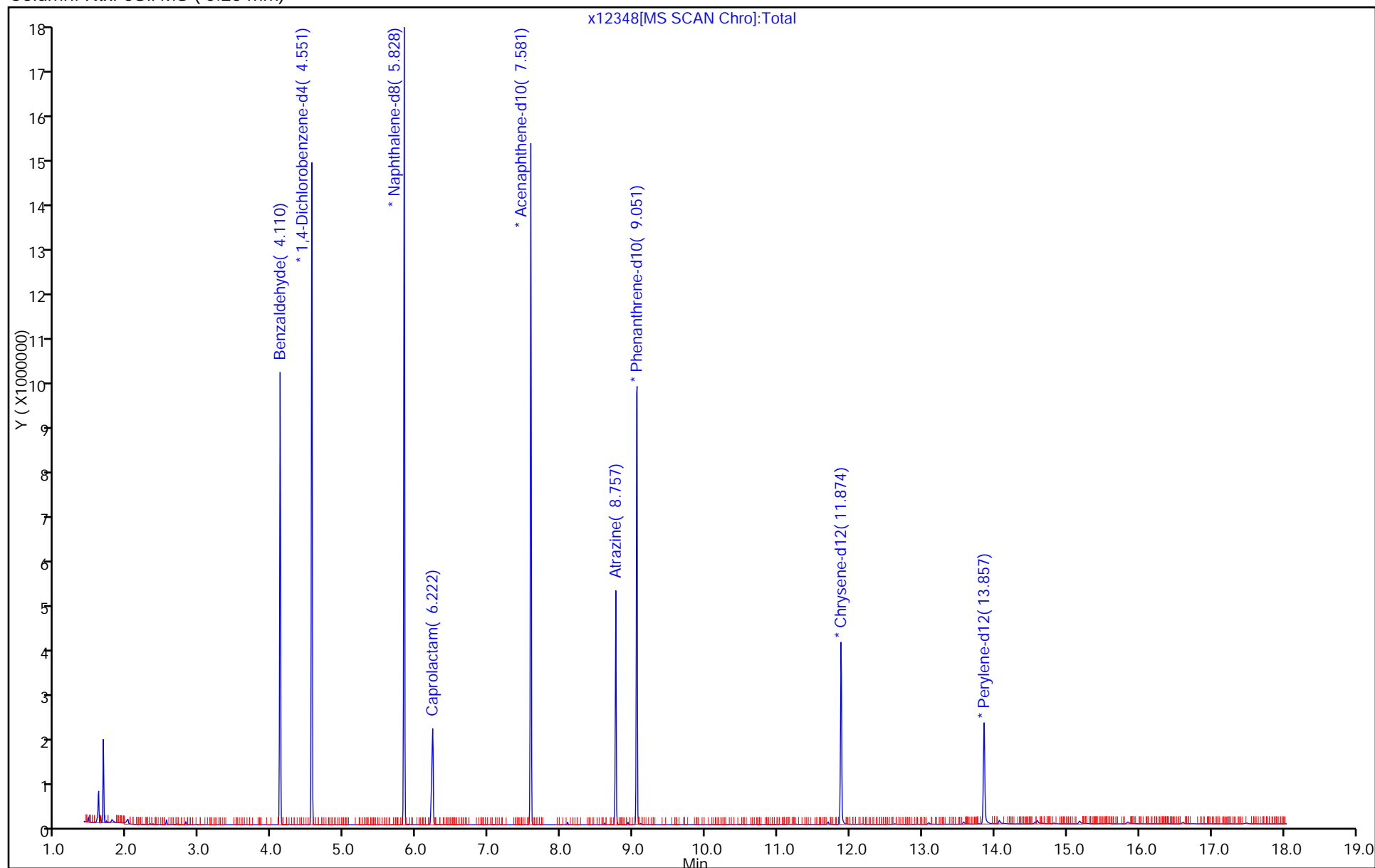
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Lab Sample ID: CCVIS 460-360719/2 Calibration Date: 04/05/2016 08:15

Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 04:19

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 07:35

Lab File ID: x12550a.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6841	0.7076	0.0100	51700	50000	3.4	20.0
N-Nitrosodimethylamine	Ave	0.8933	0.9323		52200	50000	4.4	20.0
Pyridine	Ave	1.599	1.687		52700	50000	5.5	20.0
Phenol	Ave	1.723	1.966	0.8000	57100	50000	14.1	20.0
Aniline	Ave	2.049	2.185		53300	50000	6.7	20.0
Bis(2-chloroethyl)ether	Ave	1.301	1.350	0.7000	51900	50000	3.8	20.0
2-Chlorophenol	Ave	1.377	1.407	0.8000	51100	50000	2.2	20.0
n-Decane	Ave	1.316	1.403	0.0100	53300	50000	6.7	20.0
1,3-Dichlorobenzene	Ave	1.577	1.640		52000	50000	4.0	20.0
1,4-Dichlorobenzene	Ave	1.604	1.650		51400	50000	2.9	20.0
Benzyl alcohol	Ave	0.7912	0.8163	0.0100	51600	50000	3.2	20.0
1,2-Dichlorobenzene	Ave	1.471	1.492		50700	50000	1.4	20.0
2-Methylphenol	Ave	1.172	1.215	0.7000	51900	50000	3.7	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.217	1.307	0.0100	53700	50000	7.3	20.0
Acetophenone	Ave	1.772	1.825	0.0100	51500	50000	3.0	20.0
N-Nitrosodi-n-propylamine	Ave	0.8908	0.9066	0.5000	50900	50000	1.8	20.0
3 & 4 Methylphenol	Ave	1.333	1.267		47500	50000	-5.0	20.0
4-Methylphenol	Ave	1.333	1.267	0.6000	47500	50000	-5.0	20.0
Hexachloroethane	Ave	0.6026	0.6307	0.3000	52300	50000	4.7	20.0
n,n'-Dimethylaniline	Ave	1.940	2.109	0.0100	54400	50000	8.7	20.0
Nitrobenzene	Ave	0.5835	0.6222	0.2000	53300	50000	6.6	20.0
Isophorone	Ave	0.6130	0.6026	0.4000	49100	50000	-1.7	20.0
2-Nitrophenol	Ave	0.1878	0.1851	0.1000	49300	50000	-1.4	20.0
2,4-Dimethylphenol	Ave	0.2983	0.3005	0.2000	50400	50000	0.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.3799	0.3790	0.3000	49900	50000	-0.2	20.0
Benzoic acid	Ave	0.1466	0.1280		43700	50000	-12.7	20.0
2,4-Dichlorophenol	Ave	0.2714	0.2691	0.2000	49600	50000	-0.8	20.0
1,2,4-Trichlorobenzene	Ave	0.3189	0.3235		50700	50000	1.4	20.0
Naphthalene	Ave	0.9474	1.025	0.7000	54100	50000	8.2	20.0
4-Chloroaniline	Ave	0.3953	0.3935	0.0100	49800	50000	-0.5	20.0
Hexachlorobutadiene	Ave	0.1932	0.1958	0.0100	50700	50000	1.3	20.0
4-Chloro-3-methylphenol	Ave	0.2594	0.2557		49300	50000	-1.4	20.0
2-Methylnaphthalene	Ave	0.6213	0.6397	0.4000	51500	50000	3.0	20.0
1-Methylnaphthalene	Ave	0.5289	0.5384	0.0100	50900	50000	1.8	20.0
Hexachlorocyclopentadiene	Ave	0.4406	0.4178	0.0500	47400	50000	-5.2	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6454	0.6682	0.0100	51800	50000	3.5	20.0
2-tertbutyl-4-methylphenol	Ave	0.4116	0.4217	0.0100	51200	50000	2.5	20.0
2,4,6-Trichlorophenol	Ave	0.3937	0.3960	0.2000	50300	50000	0.6	20.0
2,4,5-Trichlorophenol	Ave	0.3952	0.3970	0.2000	50200	50000	0.5	20.0
1,1'-Biphenyl	Ave	1.641	1.771	0.0100	54000	50000	7.9	20.0
2-Chloronaphthalene	Ave	1.270	1.311	0.8000	51600	50000	3.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Lab Sample ID: CCVIS 460-360719/2 Calibration Date: 04/05/2016 08:15

Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 04:19

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 07:35

Lab File ID: x12550a.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8566	0.8872	0.0100	51800	50000	3.6	20.0
2-Nitroaniline	Ave	0.4440	0.4687	0.0100	52800	50000	5.6	20.0
1,3-Dimethylnaphthalene	Ave	1.022	1.089	0.0100	53300	50000	6.6	20.0
Dimethyl phthalate	Ave	1.152	1.145	0.0100	49700	50000	-0.6	20.0
Coumarin	Ave	0.1425	0.1414	0.0100	49600	50000	-0.8	20.0
2,6-Dinitrotoluene	Ave	0.2616	0.2672	0.2000	51100	50000	2.1	20.0
Acenaphthylene	Ave	1.697	1.771	0.9000	52200	50000	4.4	20.0
3-Nitroaniline	Ave	0.2634	0.2625	0.0100	49800	50000	-0.3	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.225	1.287	0.0100	52600	50000	5.1	20.0
Acenaphthene	Ave	1.210	1.184	0.9000	49000	50000	-2.1	20.0
2,4-Dinitrophenol	Lin2		0.1316	0.0100	86100	100000	-13.9	20.0
4-Nitrophenol	Ave	0.2017	0.1992	0.0100	98800	100000	-1.2	20.0
2,4-Dinitrotoluene	Ave	0.3043	0.3231	0.2000	53100	50000	6.2	20.0
Dibenzofuran	Ave	1.520	1.594	0.8000	52400	50000	4.8	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2685	0.2648	0.0100	49300	50000	-1.4	20.0
Diethyl phthalate	Ave	1.030	1.059	0.0100	51400	50000	2.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.5774	0.6056	0.4000	52400	50000	4.9	20.0
Fluorene	Ave	1.187	1.254	0.9000	52800	50000	5.6	20.0
4-Nitroaniline	Ave	0.2321	0.2317	0.0100	49900	50000	-0.2	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1361	0.0100	90100	100000	-9.9	20.0
N-Nitrosodiphenylamine	Ave	0.6640	0.6839	0.0100	103000	100000	3.0	20.0
1,2-Diphenylhydrazine	Ave	1.016	1.049	0.0100	51600	50000	3.2	20.0
4-Bromophenyl phenyl ether	Ave	0.2359	0.2357	0.1000	50000	50000	-0.0	20.0
Hexachlorobenzene	Ave	0.2285	0.2383	0.1000	52100	50000	4.3	20.0
Pentachlorophenol	Ave	0.1391	0.1258	0.0500	90400	100000	-9.6	20.0
Pentachloronitrobenzene	Ave	0.0987	0.1055	0.0100	53400	50000	6.9	20.0
n-Octadecane	Ave	0.5337	0.5979	0.0100	56000	50000	12.0	20.0
Phenanthrene	Ave	1.141	1.153	0.7000	50500	50000	1.0	20.0
Anthracene	Ave	1.152	1.174	0.7000	50900	50000	1.9	20.0
Carbazole	Ave	0.9010	0.9148	0.0100	50800	50000	1.5	20.0
Di-n-butyl phthalate	Ave	1.094	1.145	0.0100	52300	50000	4.7	20.0
Fluoranthene	Ave	0.9272	0.9527	0.6000	51400	50000	2.7	20.0
Benzidine	Qua		0.3838		47800	50000	-4.4	20.0
Pyrene	Ave	1.708	1.755	0.6000	51400	50000	2.7	20.0
Bisphenol-A	Ave	0.6761	0.5794		42800	50000	-14.3	20.0
Butyl benzyl phthalate	Ave	0.6498	0.6744	0.0100	51900	50000	3.8	20.0
2,3,7,8-TCDD	Ave	0.1445	0.1693	0.0100	586	500	17.1	20.0
Carbamazepine	Ave	0.5064	0.3972	0.0100	39200	50000	-21.6*	20.0
3,3'-Dichlorobenzidine	Ave	0.4005	0.4098	0.0100	51200	50000	2.3	20.0
Benzo[a]anthracene	Ave	1.255	1.239	0.8000	49400	50000	-1.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111539-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-360719/2 Calibration Date: 04/05/2016 08:15
 Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 04:19
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 07:35
 Lab File ID: x12550a.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bis(2-ethylhexyl) phthalate	Ave	0.8482	0.9312	0.0100	54900	50000	9.8	20.0
Chrysene	Ave	1.110	1.127	0.7000	50800	50000	1.6	20.0
Di-n-octyl phthalate	Ave	1.624	1.809	0.0100	55700	50000	11.4	20.0
Benzo[b]fluoranthene	Ave	1.249	1.268	0.7000	50800	50000	1.6	20.0
Benzo[k]fluoranthene	Ave	1.320	1.373	0.7000	52000	50000	4.0	20.0
Benzo[a]pyrene	Ave	1.146	1.181	0.7000	51500	50000	3.1	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9671	0.9789	0.5000	50600	50000	1.2	20.0
Dibenz(a,h)anthracene	Ave	0.9827	0.9869	0.4000	50200	50000	0.4	20.0
Benzo[g,h,i]perylene	Ave	0.9848	0.9910	0.5000	50300	50000	0.6	20.0
2-Fluorophenol (Surr)	Ave	1.474	1.581	0.0100	53600	50000	7.3	20.0
Phenol-d5 (Surr)	Ave	1.656	1.774	0.0100	53500	50000	7.1	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4220	0.4557	0.0100	54000	50000	8.0	20.0
2-Fluorobiphenyl	Ave	1.502	1.668	0.0100	55500	50000	11.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1406	0.1507	0.0100	53600	50000	7.2	20.0
Terphenyl-d14 (Surr)	Ave	1.180	1.276	0.0100	54100	50000	8.1	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12550a.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 05-Apr-2016 08:15:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039444-002
 Misc. Info.: CCVIS
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 05-Apr-2016 14:51:21 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: asfawa

Date: 05-Apr-2016 09:07:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.687	1.687	0.000	92	1444289	50.0	51.7	
2 N-Nitrosodimethylamine	74	1.928	1.928	0.000	87	1903021	50.0	52.2	
3 Pyridine	79	1.951	1.951	0.000	96	3442713	50.0	52.7	
\$ 4 2-Fluorophenol	112	3.087	3.087	0.000	94	3228118	50.0	53.6	
\$ 6 Phenol-d5	99	4.022	4.022	0.000	98	3620126	50.0	53.5	
7 Phenol	94	4.034	4.034	0.000	96	4012840	50.0	57.1	
8 Aniline	93	4.040	4.040	0.000	91	4460961	50.0	53.3	
9 Bis(2-chloroethyl)ether	93	4.110	4.110	0.000	99	2754621	50.0	51.9	
10 Benzonitrile	103	4.134	4.134	0.000	66	5383864	NC	NC	
11 2-Chlorophenol	128	4.163	4.163	0.000	94	2872118	50.0	51.1	
12 n-Decane	43	4.216	4.216	0.000	86	2864725	50.0	53.3	
13 1,3-Dichlorobenzene	146	4.316	4.316	0.000	94	3347885	50.0	52.0	
* 14 1,4-Dichlorobenzene-d4	152	4.369	4.369	0.000	98	1632978	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.387	4.387	0.000	92	3367407	50.0	51.4	
16 Benzyl alcohol	108	4.516	4.516	0.000	91	1666331	50.0	51.6	
17 1,2-Dichlorobenzene	146	4.540	4.540	0.000	93	3045795	50.0	50.7	
18 2-Methylphenol	108	4.634	4.634	0.000	89	2480813	50.0	51.9	
19 2,2'-oxybis[1-chloropropan	45	4.651	4.651	0.000	91	2667060	50.0	53.7	
21 Acetophenone	105	4.787	4.787	0.000	96	3724628	50.0	51.5	
22 N-Nitrosodi-n-propylamine	70	4.787	4.787	0.000	88	1850654	50.0	50.9	
23 3 & 4 Methylphenol	108	4.798	4.798	0.000	94	2585706	50.0	47.5	
24 4-Methylphenol	108	4.798	4.798	0.000	92	2585706	50.0	47.5	
20 N-Methylaniline	106	4.804	4.804	0.000	43	11399	NC	NC	
25 Hexachloroethane	117	4.881	4.881	0.000	95	1287318	50.0	52.3	
\$ 26 Nitrobenzene-d5	82	4.934	4.934	0.000	88	3149079	50.0	54.0	
28 Nitrobenzene	77	4.957	4.957	0.000	96	4299441	50.0	53.3	
27 n,n'-Dimethylaniline	120	4.957	4.957	0.000	89	4305920	50.0	54.4	
31 Isophorone	82	5.198	5.198	0.000	100	4164290	50.0	49.1	
32 2-Nitrophenol	139	5.269	5.269	0.000	85	1279118	50.0	49.3	
33 2,4-Dimethylphenol	122	5.328	5.328	0.000	89	2076652	50.0	50.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.416	5.416	0.000	99	2619405	50.0	49.9	
35 Benzoic acid	122	5.463	5.463	0.000	89	884836	50.0	43.7	
36 2,4-Dichlorophenol	162	5.516	5.516	0.000	94	1859625	50.0	49.6	
37 1,2,4-Trichlorobenzene	180	5.598	5.598	0.000	94	2235225	50.0	50.7	
* 38 Naphthalene-d8	136	5.651	5.651	0.000	100	5528483	40.0	40.0	
39 Naphthalene	128	5.675	5.675	0.000	99	7083063	50.0	54.1	e
40 4-Chloroaniline	127	5.734	5.734	0.000	96	2719346	50.0	49.8	
41 Hexachlorobutadiene	225	5.804	5.804	0.000	94	1352769	50.0	50.7	
43 4-Chloro-3-methylphenol	107	6.228	6.228	0.000	95	1767323	50.0	49.3	
44 2-Methylnaphthalene	142	6.369	6.369	0.000	86	4420470	50.0	51.5	
45 1-Methylnaphthalene	142	6.469	6.469	0.000	93	3720423	50.0	50.9	
46 Hexachlorocyclopentadiene	237	6.534	6.534	0.000	95	1143769	50.0	47.4	
47 1,2,4,5-Tetrachlorobenzene	216	6.539	6.539	0.000	95	1829351	50.0	51.8	
48 2-tertbutyl-4-methylphenol	149	6.581	6.581	0.000	90	2914175	50.0	51.2	
49 2,4,6-Trichlorophenol	196	6.657	6.657	0.000	87	1084208	50.0	50.3	
50 2,4,5-Trichlorophenol	196	6.692	6.692	0.000	94	1086804	50.0	50.2	
\$ 51 2-Fluorobiphenyl	172	6.739	6.739	0.000	98	4565531	50.0	55.5	
52 1,1'-Biphenyl	154	6.833	6.833	0.000	95	4849307	50.0	54.0	
53 2-Chloronaphthalene	162	6.857	6.857	0.000	97	3589743	50.0	51.6	
54 Phenyl ether	170	6.939	6.939	0.000	87	2428969	50.0	51.8	
56 2-Nitroaniline	65	6.957	6.957	0.000	95	1283182	50.0	52.8	
57 1,3-Dimethylnaphthalene	156	7.075	7.075	0.000	91	2981430	50.0	53.3	
58 Dimethyl phthalate	163	7.145	7.145	0.000	98	3133787	50.0	49.7	
59 Coumarin	146	7.163	7.163	0.000	74	977450	50.0	49.6	
60 2,6-Dinitrotoluene	165	7.198	7.198	0.000	93	731598	50.0	51.1	
61 Acenaphthylene	152	7.263	7.263	0.000	98	4848119	50.0	52.2	
64 3-Nitroaniline	138	7.369	7.369	0.000	91	718763	50.0	49.8	
* 65 Acenaphthene-d10	164	7.404	7.404	0.000	92	2190243	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.433	7.433	0.000	97	3523742	50.0	52.6	
67 Acenaphthene	154	7.439	7.439	0.000	94	3242187	50.0	49.0	
68 2,4-Dinitrophenol	184	7.469	7.469	0.000	94	720755	100.0	86.1	
69 4-Nitrophenol	65	7.551	7.551	0.000	93	1090837	100.0	98.8	
70 2,4-Dinitrotoluene	165	7.598	7.598	0.000	91	884622	50.0	53.1	
71 Dibenzofuran	168	7.610	7.610	0.000	95	4363108	50.0	52.4	
72 2,3,4,6-Tetrachlorophenol	232	7.733	7.733	0.000	91	725009	50.0	49.3	
73 Diethyl phthalate	149	7.845	7.845	0.000	97	2899608	50.0	51.4	
75 Fluorene	166	7.945	7.945	0.000	94	3433458	50.0	52.8	
74 4-Chlorophenyl phenyl ethe	204	7.945	7.945	0.000	78	1657988	50.0	52.4	
76 4-Nitroaniline	138	7.975	7.975	0.000	91	634337	50.0	49.9	
77 4,6-Dinitro-2-methylphenol	198	8.004	8.004	0.000	82	910393	100.0	90.1	
78 N-Nitrosodiphenylamine	169	8.069	8.069	0.000	66	4573139	100.0	103.0	
79 1,2-Diphenylhydrazine	77	8.104	8.104	0.000	97	3506852	50.0	51.6	
\$ 80 2,4,6-Tribromophenol	330	8.186	8.186	0.000	92	412569	50.0	53.6	
81 4-Bromophenyl phenyl ether	248	8.428	8.428	0.000	83	788131	50.0	50.0	
83 Hexachlorobenzene	284	8.498	8.498	0.000	99	796828	50.0	52.1	
85 Pentachlorophenol	266	8.692	8.692	0.000	91	841181	100.0	90.4	
86 Pentachloronitrobenzene	237	8.704	8.704	0.000	86	352817	50.0	53.4	
87 n-Octadecane	57	8.775	8.775	0.000	91	1999178	50.0	56.0	
* 88 Phenanthrene-d10	188	8.869	8.869	0.000	99	2674893	40.0	40.0	
89 Phenanthrene	178	8.892	8.892	0.000	98	3856062	50.0	50.5	
90 Anthracene	178	8.945	8.945	0.000	99	3925228	50.0	50.9	
91 Carbazole	167	9.104	9.104	0.000	96	3058820	50.0	50.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Di-n-butyl phthalate	149	9.451	9.451	0.000	99	3828106	50.0	52.3	
93 Fluoranthene	202	10.063	10.063	0.000	98	3185519	50.0	51.4	
94 Benzidine	184	10.198	10.198	0.000	99	1283179	50.0	47.8	
95 Pyrene	202	10.286	10.286	0.000	97	3114376	50.0	51.4	
82 Bisphenol-A	213	10.345	10.345	0.000	99	1028372	50.0	42.8	
\$ 96 Terphenyl-d14	244	10.445	10.445	0.000	99	2265242	50.0	54.1	
97 Butyl benzyl phthalate	149	10.969	10.969	0.000	97	1197111	50.0	51.9	
98 2,3,7,8-TCDD	320	11.080	11.080	0.000	54	3005	0.5000	0.5857	
99 Carbamazepine	193	11.092	11.092	0.000	92	704966	50.0	39.2	
100 3,3'-Dichlorobenzidine	252	11.586	11.586	0.000	99	727351	50.0	51.2	
101 Benzo[a]anthracene	228	11.616	11.616	0.000	98	2198744	50.0	49.4	
* 102 Chrysene-d12	240	11.627	11.627	0.000	99	1420001	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.663	11.663	0.000	89	1652802	50.0	54.9	
103 Chrysene	228	11.663	11.663	0.000	99	2000646	50.0	50.8	
105 Di-n-octyl phthalate	149	12.521	12.521	0.000	97	2353909	50.0	55.7	
106 Benzo[b]fluoranthene	252	13.021	13.021	0.000	99	1650080	50.0	50.8	
107 Benzo[k]fluoranthene	252	13.057	13.057	0.000	99	1787204	50.0	52.0	
108 Benzo[a]pyrene	252	13.462	13.462	0.000	97	1536304	50.0	51.5	
* 109 Perylene-d12	264	13.539	13.539	0.000	98	1041016	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.045	15.045	0.000	99	1273746	50.0	50.6	
111 Dibenz(a,h)anthracene	278	15.086	15.086	0.000	97	1284266	50.0	50.2	
112 Benzo[g,h,i]perylene	276	15.462	15.462	0.000	97	1289556	50.0	50.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

e - Potential Peak Saturated

Reagents:

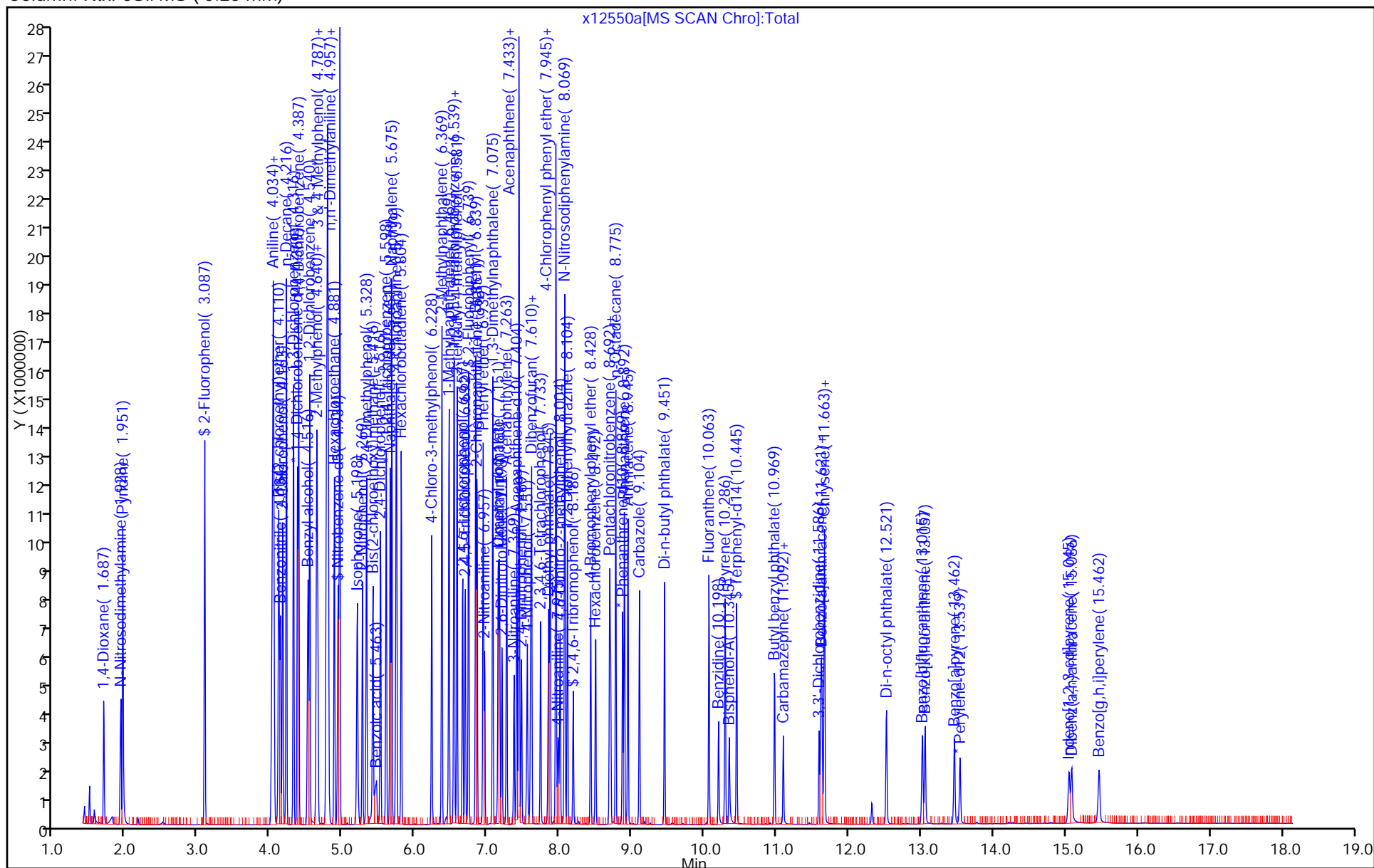
SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160405-39444.b\\x12550a.D		
Injection Date:	05-Apr-2016 08:15:30	Instrument ID:	CBNAMS5
Lims ID:	ccvis		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

Operator ID:
Worklist Smp#: 2
ALS Bottle#: 2



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111539-1
SDG No.: _____
Lab Sample ID: CCV 460-360719/3 Calibration Date: 04/05/2016 08:45
Instrument ID: CBNAMS5 Calib Start Date: 03/31/2016 08:00
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/31/2016 10:26
Lab File ID: x12551.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.285	1.367	0.0100	53200	50000	6.4	20.0
Caprolactam	Ave	0.0753	0.0688	0.0100	45700	50000	-8.7	20.0
Atrazine	Ave	0.2129	0.2103	0.0100	49400	50000	-1.2	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12551.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 05-Apr-2016 08:45:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039444-003
 Misc. Info.: CCV
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 05-Apr-2016 14:51:31 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: croccom

Date: 05-Apr-2016 13:31:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.928	3.928	0.000	97	3269828	50.0	53.2	
* 14 1,4-Dichlorobenzene-d4	152	4.369	4.369	0.000	98	1913340	40.0	40.0	
* 38 Naphthalene-d8	136	5.651	5.651	0.000	99	7093862	40.0	40.0	
42 Caprolactam	113	6.069	6.069	0.000	93	610256	50.0	45.7	
* 65 Acenaphthene-d10	164	7.404	7.404	0.000	92	3070595	40.0	40.0	
84 Atrazine	200	8.598	8.598	0.000	95	986244	50.0	49.4	
* 88 Phenanthrene-d10	188	8.869	8.869	0.000	99	3751876	40.0	40.0	
* 102 Chrysene-d12	240	11.622	11.622	0.000	100	1809057	40.0	40.0	
* 109 Perylene-d12	264	13.533	13.533	0.000	98	1271412	40.0	40.0	

Reagents:

SV_IC-S_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160405-39444.b\\x12551.D

Injection Date: 05-Apr-2016 08:45:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: ccv

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

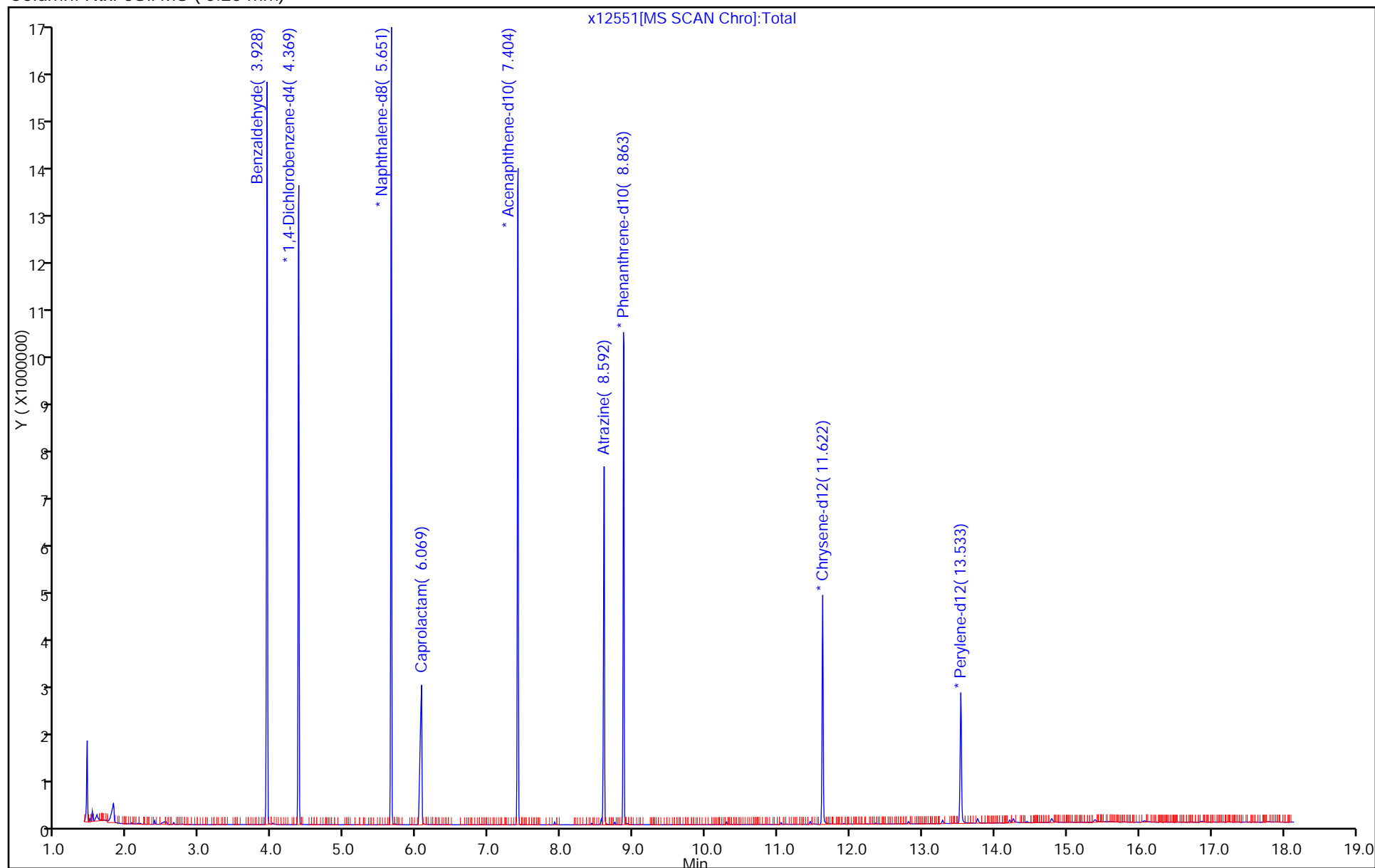
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12330.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 31-Mar-2016 04:03:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039236-001
 Misc. Info.: DFTPP
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 31-Mar-2016 09:22:46 Calib Date: 31-Mar-2016 08:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12342.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: szczecha

Date: 31-Mar-2016 09:22:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	5.334	5.334	0.000	91	75455	NR	NR	
55 Benzidine_T	184	7.163	7.163	0.000	99	458980	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	7.845	7.845	0.000	94	6747		NR	M
127 4,4'-DDT	235	8.157	8.157	0.000	98	202869	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

SMDFTP_CH_00015

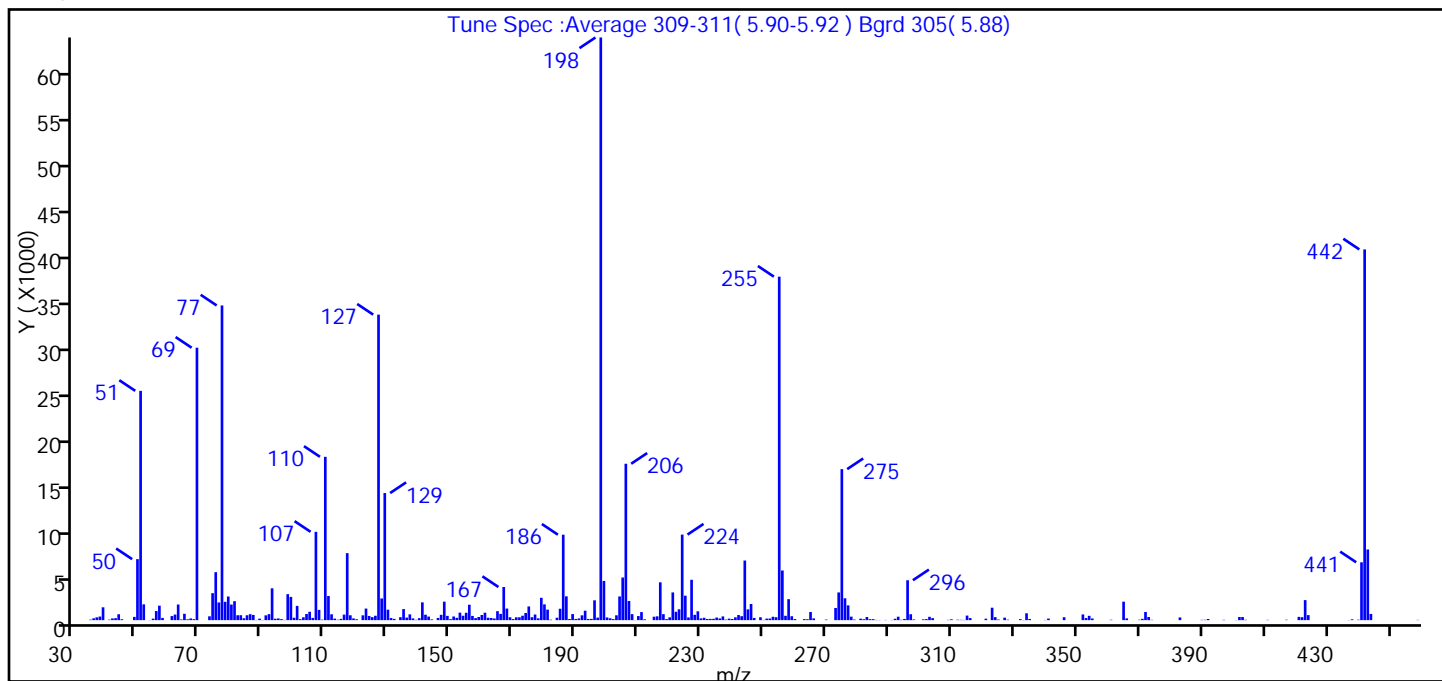
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12330.D
Injection Date: 31-Mar-2016 04:03:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	39.3
68	<2% of mass 69	0.2 (0.4)
69	Present	46.8
70	<2% of mass 69	0.0 (0.0)
127	40-60% of mass 198	52.4
197	<1% of mass 198	0.4
199	5-9% of mass 198	6.7
275	10-30% of mass 198	25.9
365	>1% of mass 198	3.2
441	Present but less than mass 443	9.9 (81.9)
442	>40% of mass 198	63.6
443	17-23% of mass 442	12.1 (19.1)

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12330.D\8270_5R.rslt\spectra.d
Injection Date: 31-Mar-2016 04:03:30
Spectrum: Tune Spec :Average 309-311(5.90-5.92) Bgrd 305(5.88)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 296

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	55	119.00	190	197.00	277	282.00	101
36.00	200	120.00	97	198.00	63960	283.00	342
37.00	310	122.00	529	199.00	4303	284.00	111
38.00	394	123.00	1272	200.00	295	285.00	112
39.00	1410	124.00	459	201.00	206	286.00	27
41.00	54	125.00	330	202.00	115	287.00	18
42.00	188	126.00	483	203.00	533	289.00	22
43.00	219	127.00	33536	204.00	2603	291.00	23
44.00	646	128.00	2379	205.00	4681	292.00	154
45.00	99	129.00	13952	206.00	17168	293.00	378
49.00	357	130.00	1148	207.00	2102	294.00	37
50.00	6695	131.00	232	208.00	658	295.00	132
51.00	25168	132.00	136	209.00	15	296.00	4380
52.00	1735	134.00	319	210.00	448	297.00	648
54.00	16	135.00	1215	211.00	884	298.00	74
55.00	166	136.00	282	212.00	93	301.00	87
56.00	1000	137.00	634	215.00	377	302.00	115
57.00	1589	138.00	190	216.00	419	303.00	365
58.00	244	139.00	36	217.00	4152	304.00	222
61.00	449	140.00	217	218.00	657	309.00	31
62.00	614	141.00	1953	219.00	116	310.00	89
63.00	1715	142.00	596	220.00	306	312.00	45
64.00	74	143.00	392	221.00	3041	313.00	35
65.00	695	144.00	80	222.00	921	314.00	25
66.00	93	146.00	242	223.00	1192	315.00	502
67.00	186	147.00	584	224.00	9391	316.00	226
68.00	109	148.00	2030	225.00	2685	321.00	160
69.00	29904	149.00	469	226.00	295	323.00	1365
73.00	422	150.00	112	227.00	4430	324.00	327
74.00	2961	151.00	400	228.00	583	325.00	68
75.00	5266	152.00	255	229.00	968	327.00	274
76.00	1940	153.00	822	230.00	193	328.00	53
77.00	34544	154.00	483	231.00	259	332.00	111

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12330.D\8270_5R.rsl\spectra.d

Injection Date: 31-Mar-2016 04:03:30

Spectrum: Tune Spec :Average 309-311(5.90-5.92) Bgrd 305(5.88)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 296

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	2013	155.00	809	232.00	131	333.00	18
79.00	2595	156.00	1693	233.00	139	334.00	752
80.00	1710	157.00	464	234.00	148	335.00	128
81.00	2082	158.00	223	235.00	285	340.00	23
82.00	538	159.00	345	236.00	186	341.00	174
83.00	543	160.00	566	237.00	408	346.00	319
84.00	208	161.00	816	238.00	58	352.00	625
85.00	537	162.00	266	239.00	165	353.00	229
86.00	658	163.00	239	240.00	127	354.00	475
87.00	570	164.00	180	241.00	309	355.00	183
88.00	23	165.00	984	242.00	562	361.00	46
89.00	166	166.00	684	243.00	434	365.00	2028
90.00	22	167.00	3639	244.00	6545	366.00	191
91.00	527	168.00	1272	245.00	1185	370.00	44
92.00	657	169.00	317	246.00	1773	371.00	141
93.00	3496	170.00	118	247.00	241	372.00	898
94.00	156	171.00	311	249.00	317	373.00	348
95.00	186	172.00	312	250.00	27	374.00	34
96.00	110	173.00	484	251.00	169	383.00	299
97.00	29	174.00	784	252.00	179	390.00	35
98.00	2852	175.00	1504	253.00	372	391.00	40
99.00	2550	176.00	321	254.00	326	392.00	127
100.00	263	177.00	618	255.00	37704	397.00	38
101.00	1565	178.00	198	256.00	5450	401.00	17
102.00	109	179.00	2453	257.00	479	402.00	345
103.00	313	180.00	1733	258.00	2303	403.00	342
104.00	677	181.00	1153	259.00	428	404.00	40
105.00	918	182.00	51	260.00	118	411.00	34
106.00	246	184.00	264	263.00	114	417.00	47
107.00	9695	185.00	1250	264.00	98	421.00	360
108.00	1127	186.00	9380	265.00	895	422.00	324
109.00	57	187.00	2612	266.00	192	423.00	2198
110.00	17928	188.00	123	270.00	62	424.00	553
111.00	2654	189.00	667	273.00	1336	437.00	18

Report Date: 31-Mar-2016 09:22:48

Chrom Revision: 2.2 04-Mar-2016 14:36:24

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12330.D\8270_5R.rslt\spectra.d

Injection Date: 31-Mar-2016 04:03:30

Spectrum: Tune Spec :Average 309-311(5.90-5.92) Bgrd 305(5.88)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 296

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	643	190.00	131	274.00	3041	438.00	89
113.00	169	191.00	186	275.00	16576	440.00	48
114.00	43	192.00	529	276.00	2398	441.00	6351
115.00	140	193.00	1037	277.00	1624	442.00	40696
116.00	609	194.00	131	278.00	383	443.00	7755
117.00	7358	195.00	138	279.00	62	444.00	684
118.00	535	196.00	2177	281.00	161	459.00	30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12330.D
Injection Date: 31-Mar-2016 04:03:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

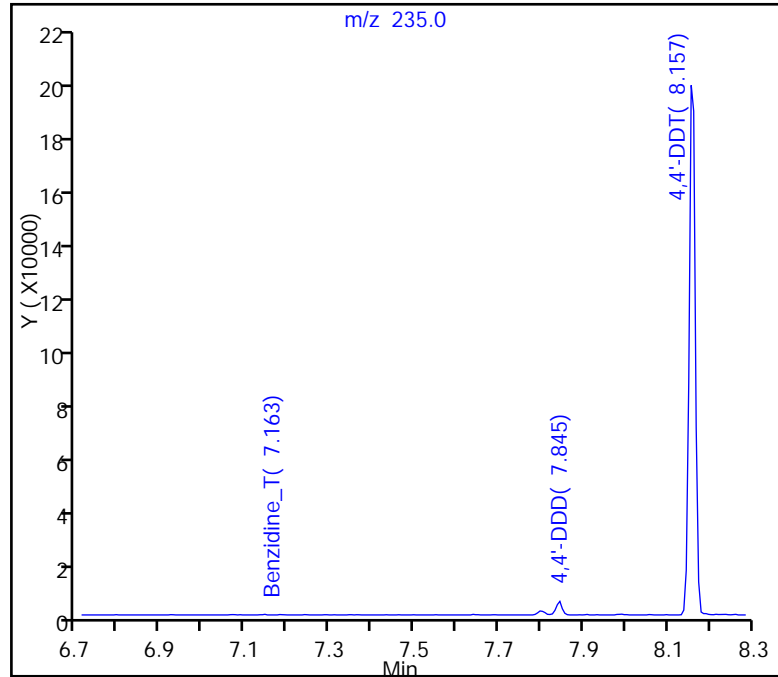
127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

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

127 4,4'-DDT, Area = 202869
126 4,4'-DDD, Area = 6747
125 4,4'-DDE, Area = 0

%Breakdown: 3.22%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12330.D
Injection Date: 31-Mar-2016 04:03:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

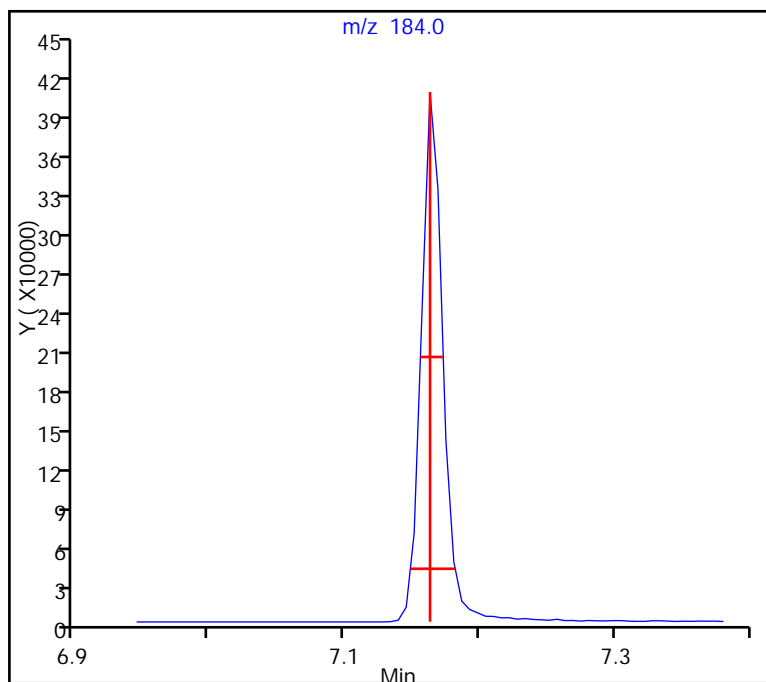
55 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.019 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12330.D
Injection Date: 31-Mar-2016 04:03:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

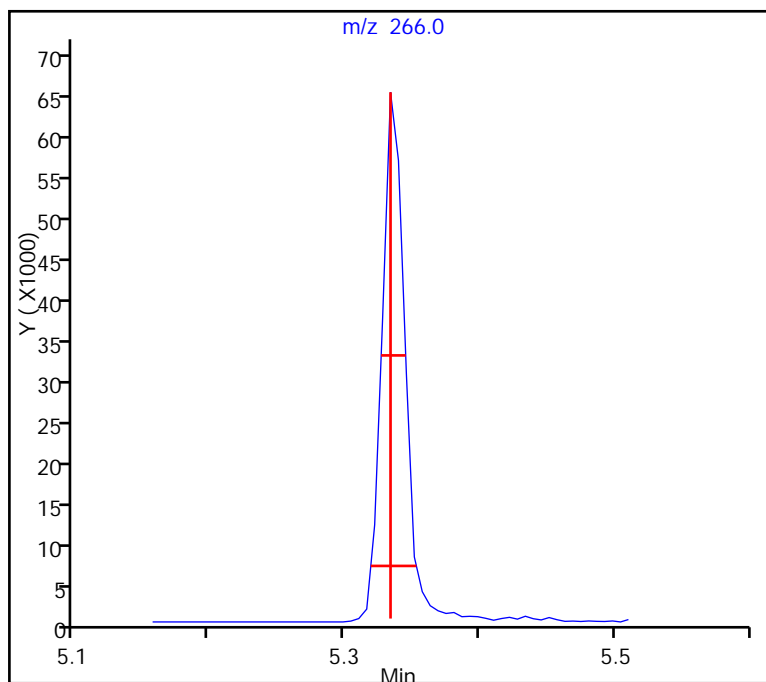
30 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.019 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12549f.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 05-Apr-2016 07:31:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039444-001
 Misc. Info.: DFTPP
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 05-Apr-2016 14:51:11 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: asfawa

Date: 05-Apr-2016 07:47:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	5.028	5.028	0.000	87	11391	NR	NR	
55 Benzidine_T	184	6.863	6.863	0.000	99	278042	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	7.534	7.534	0.000	89	2678		NR	
127 4,4'-DDT	235	7.857	7.857	0.000	98	119907	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

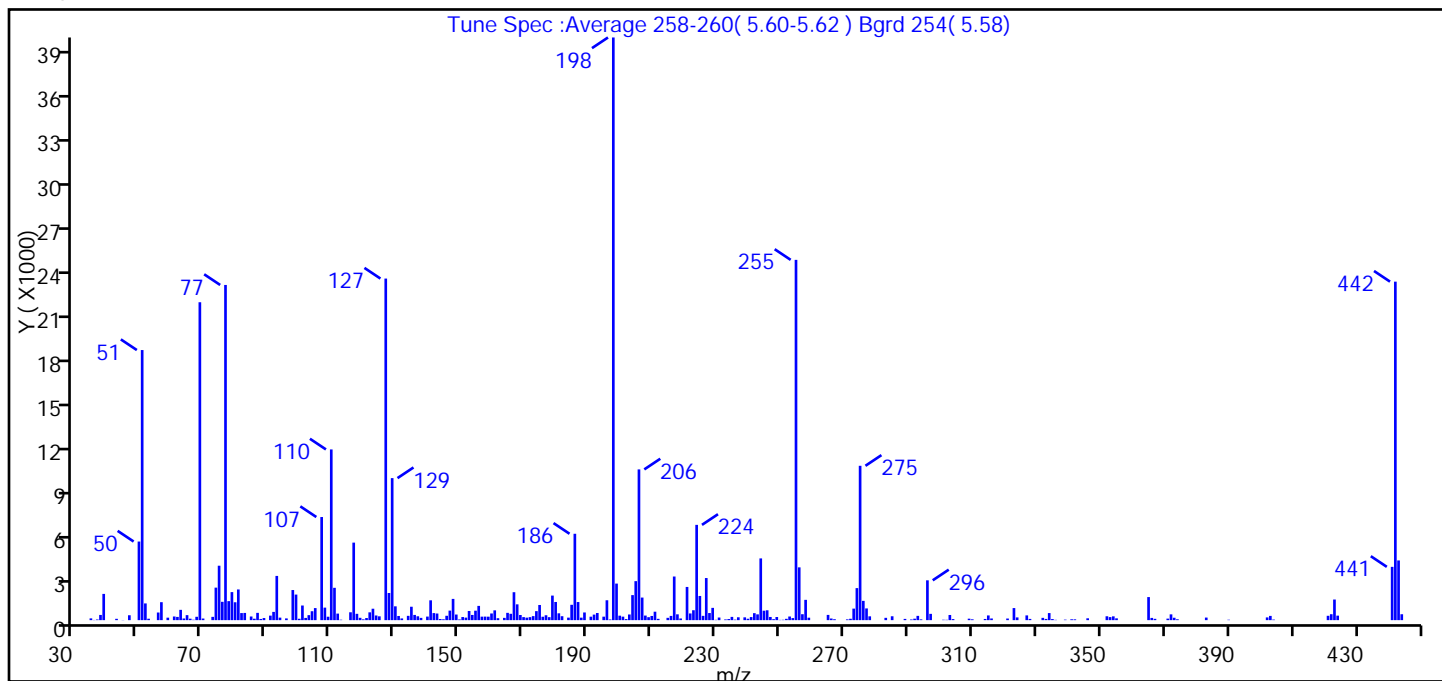
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12549f.D
Injection Date: 05-Apr-2016 07:31:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	46.4
68	<2% of mass 69	0.6 (1.1)
69	Present	54.6
70	<2% of mass 69	0.3 (0.5)
127	40-60% of mass 198	58.6
197	<1% of mass 198	0.1
199	5-9% of mass 198	6.3
275	10-30% of mass 198	26.5
365	>1% of mass 198	4.0
441	Present but less than mass 443	9.1 (89.3)
442	>40% of mass 198	58.1
443	17-23% of mass 442	10.2 (17.6)

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12549f.D\8270_5R.rslt\spectra.d
Injection Date: 05-Apr-2016 07:31:30
Spectrum: Tune Spec :Average 258-260(5.60-5.62) Bgrd 254(5.58)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 260

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	119	120.00	53	191.00	234	267.00	62
36.00	12	121.00	143	192.00	375	271.00	52
37.00	43	122.00	528	193.00	483	272.00	93
38.00	352	123.00	772	195.00	235	273.00	779
39.00	1774	124.00	315	196.00	1344	274.00	2165
43.00	90	125.00	258	197.00	45	275.00	10433
45.00	10	127.00	23088	198.00	39384	276.00	1303
47.00	331	128.00	1835	199.00	2471	277.00	792
50.00	5313	129.00	9600	200.00	302	278.00	258
51.00	18256	130.00	934	201.00	236	283.00	156
52.00	1130	131.00	281	202.00	72	285.00	262
53.00	96	132.00	116	203.00	383	289.00	84
56.00	516	134.00	291	204.00	1692	291.00	44
57.00	1214	135.00	906	205.00	2636	292.00	98
59.00	167	136.00	353	206.00	10189	293.00	289
61.00	247	137.00	261	207.00	1526	294.00	52
62.00	218	138.00	153	208.00	309	296.00	2692
63.00	696	140.00	241	209.00	200	297.00	425
64.00	112	141.00	1340	210.00	283	301.00	28
65.00	338	142.00	477	211.00	571	302.00	23
66.00	98	143.00	447	212.00	88	303.00	349
67.00	27	144.00	76	215.00	156	304.00	71
68.00	227	145.00	58	216.00	286	309.00	99
69.00	21488	146.00	295	217.00	2949	310.00	56
70.00	109	147.00	644	218.00	393	314.00	80
73.00	222	148.00	1436	219.00	113	315.00	318
74.00	2197	149.00	379	221.00	2244	316.00	113
75.00	3679	150.00	47	222.00	452	321.00	109
76.00	1239	151.00	210	223.00	670	323.00	816
77.00	22656	152.00	171	224.00	6440	324.00	184
78.00	1285	153.00	619	225.00	1634	327.00	321
79.00	1895	154.00	351	226.00	290	328.00	83
80.00	1209	155.00	639	227.00	2846	332.00	155

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12549f.D\8270_5R.rslt\spectra.d

Injection Date: 05-Apr-2016 07:31:30

Spectrum: Tune Spec :Average 258-260(5.60-5.62) Bgrd 254(5.58)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 260

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	2074	156.00	963	228.00	480	333.00	82
82.00	478	157.00	236	229.00	830	334.00	478
83.00	487	158.00	239	230.00	22	335.00	73
85.00	247	159.00	234	231.00	177	336.00	20
86.00	96	160.00	451	233.00	48	339.00	34
87.00	492	161.00	662	234.00	75	341.00	58
88.00	80	162.00	131	235.00	220	342.00	54
89.00	143	164.00	154	236.00	36	346.00	124
91.00	305	165.00	493	237.00	194	352.00	262
92.00	557	166.00	429	239.00	189	353.00	206
93.00	2989	167.00	1888	240.00	95	354.00	256
94.00	170	168.00	1068	241.00	207	355.00	122
96.00	117	169.00	347	242.00	472	365.00	1559
98.00	2035	170.00	205	243.00	391	366.00	151
99.00	1728	171.00	169	244.00	4173	367.00	89
100.00	93	172.00	203	245.00	637	371.00	103
101.00	989	173.00	272	246.00	667	372.00	391
102.00	150	174.00	609	247.00	215	373.00	162
103.00	337	175.00	1025	248.00	67	374.00	59
104.00	603	176.00	230	249.00	211	383.00	174
105.00	815	177.00	330	250.00	17	390.00	28
107.00	6970	178.00	202	251.00	25	402.00	185
108.00	846	179.00	1660	252.00	89	403.00	287
109.00	231	180.00	1228	253.00	246	404.00	38
110.00	11539	181.00	462	254.00	140	421.00	294
111.00	2185	182.00	266	255.00	24352	422.00	401
112.00	442	184.00	170	256.00	3568	423.00	1394
113.00	28	185.00	1037	257.00	401	424.00	304
116.00	532	186.00	5838	258.00	1372	441.00	3602
117.00	5240	187.00	1224	259.00	166	442.00	22880
118.00	427	188.00	168	265.00	354	443.00	4035
119.00	157	189.00	519	266.00	109	444.00	400

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12549f.D
Injection Date: 05-Apr-2016 07:31:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

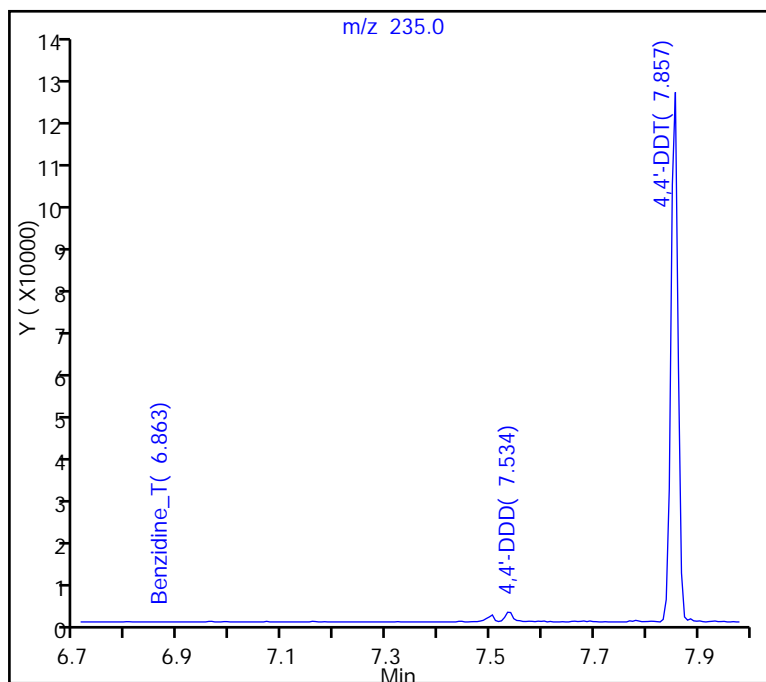
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 119907

126 4,4'-DDD, Area = 2678

125 4,4'-DDE, Area = 0

%Breakdown: 2.18%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12549f.D
Injection Date: 05-Apr-2016 07:31:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

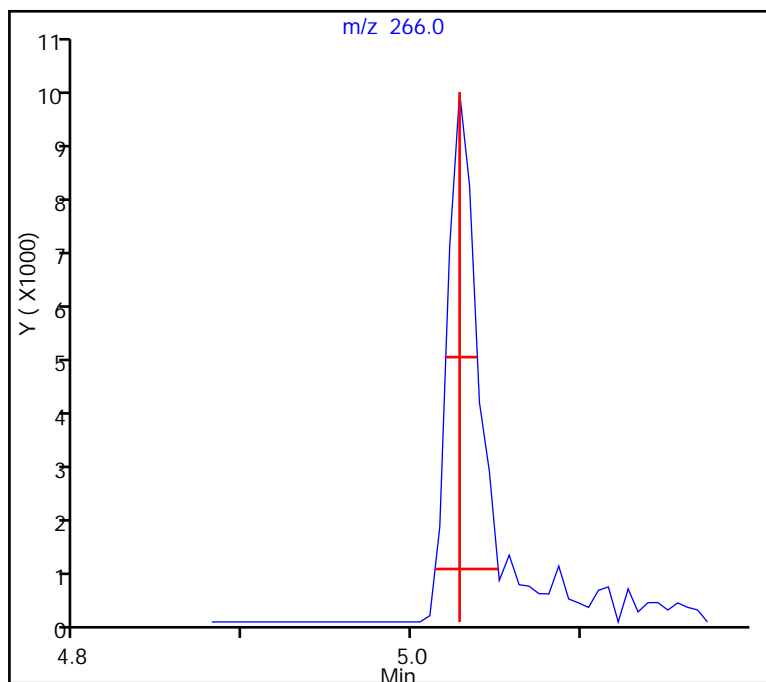
30 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.023 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.6, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12549f.D
Injection Date: 05-Apr-2016 07:31:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

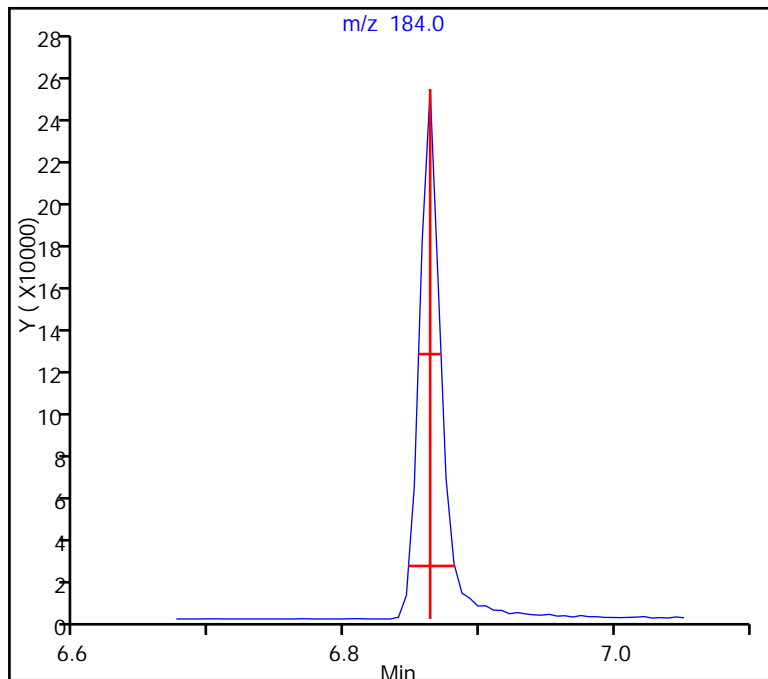
55 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.018 (min.)

Front Width = 0.016 (min.)

Tailing Factor = 1.1, Max. Tailing < 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111539-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-360667/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12553.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/05/2016 09:59</u>
Con. Extract Vol.: <u>1 (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>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	330	U	330	28
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	330	25
108-60-1	2,2'-oxybis[1-chloropropane]	330	U	330	14
58-90-2	2,3,4,6-Tetrachlorophenol	330	U	330	31
95-95-4	2,4,5-Trichlorophenol	330	U	330	33
88-06-2	2,4,6-Trichlorophenol	130	U	130	9.4
120-83-2	2,4-Dichlorophenol	130	U	130	7.8
105-67-9	2,4-Dimethylphenol	330	U	330	73
51-28-5	2,4-Dinitrophenol	270	U	270	250
121-14-2	2,4-Dinitrotoluene	67	U	67	13
606-20-2	2,6-Dinitrotoluene	67	U	67	18
91-58-7	2-Chloronaphthalene	330	U	330	7.5
95-57-8	2-Chlorophenol	330	U	330	8.4
91-57-6	2-Methylnaphthalene	330	U	330	7.3
95-48-7	2-Methylphenol	330	U	330	14
88-74-4	2-Nitroaniline	330	U	330	11
88-75-5	2-Nitrophenol	330	U	330	11
91-94-1	3,3'-Dichlorobenzidine	130	U	130	37
99-09-2	3-Nitroaniline	330	U	330	9.8
534-52-1	4,6-Dinitro-2-methylphenol	270	U	270	88
101-55-3	4-Bromophenyl phenyl ether	330	U	330	10
59-50-7	4-Chloro-3-methylphenol	330	U	330	14
106-47-8	4-Chloroaniline	330	U	330	8.5
7005-72-3	4-Chlorophenyl phenyl ether	330	U	330	9.9
106-44-5	4-Methylphenol	330	U	330	9.0
100-01-6	4-Nitroaniline	330	U	330	13
100-02-7	4-Nitrophenol	670	U	670	160
83-32-9	Acenaphthene	330	U	330	8.0
208-96-8	Acenaphthylene	330	U	330	8.5
98-86-2	Acetophenone	330	U	330	7.2
120-12-7	Anthracene	330	U	330	31
1912-24-9	Atrazine	130	U	130	15
100-52-7	Benzaldehyde	330	U	330	25
56-55-3	Benzo[a]anthracene	33	U	33	28

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111539-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-360667/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12553.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/05/2016 09:59</u>
Con. Extract Vol.: <u>1 (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>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	33	U	33	10
205-99-2	Benzo[b]fluoranthene	33	U	33	13
191-24-2	Benzo[g,h,i]perylene	330	U	330	19
207-08-9	Benzo[k]fluoranthene	33	U	33	14
111-91-1	Bis(2-chloroethoxy)methane	330	U	330	10
111-44-4	Bis(2-chloroethyl)ether	33	U	33	7.8
117-81-7	Bis(2-ethylhexyl) phthalate	330	U	330	13
85-68-7	Butyl benzyl phthalate	330	U	330	10
105-60-2	Caprolactam	330	U	330	24
86-74-8	Carbazole	330	U	330	8.2
218-01-9	Chrysene	330	U	330	9.0
53-70-3	Dibenz(a,h)anthracene	33	U	33	17
132-64-9	Dibenzofuran	330	U	330	10
84-66-2	Diethyl phthalate	330	U	330	9.4
131-11-3	Dimethyl phthalate	330	U	330	9.6
84-74-2	Di-n-butyl phthalate	330	U	330	9.9
117-84-0	Di-n-octyl phthalate	330	U	330	17
206-44-0	Fluoranthene	330	U	330	9.8
86-73-7	Fluorene	330	U	330	7.2
118-74-1	Hexachlorobenzene	33	U	33	13
87-68-3	Hexachlorobutadiene	67	U	67	9.3
77-47-4	Hexachlorocyclopentadiene	330	U	330	21
67-72-1	Hexachloroethane	33	U	33	12
193-39-5	Indeno[1,2,3-cd]pyrene	33	U	33	22
78-59-1	Isophorone	130	U	130	7.1
91-20-3	Naphthalene	330	U	330	8.4
98-95-3	Nitrobenzene	33	U	33	10
621-64-7	N-Nitrosodi-n-propylamine	33	U	33	11
86-30-6	N-Nitrosodiphenylamine	330	U	330	30
87-86-5	Pentachlorophenol	270	U	270	40
85-01-8	Phenanthrene	330	U	330	8.8
108-95-2	Phenol	330	U	330	11
129-00-0	Pyrene	330	U	330	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111539-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-360667/1-A
Matrix: Solid Lab File ID: x12553.D
Analysis Method: 8270D Date Collected: _____
Extract. Method: 3546 Date Extracted: 04/04/2016 21:26
Sample wt/vol: 15.0000 (g) Date Analyzed: 04/05/2016 09:59
Con. Extract Vol.: 1 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 360719 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	84		10-95
321-60-8	2-Fluorobiphenyl	83		27-84
367-12-4	2-Fluorophenol (Surr)	73		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	83		28-92
4165-62-2	Phenol-d5 (Surr)	79		22-88
1718-51-0	Terphenyl-d14 (Surr)	95		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12553.D
 Lims ID: MB 460-360667/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 05-Apr-2016 09:59:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039444-005
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 05-Apr-2016 14:52:02 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: manlangitf

Date: 05-Apr-2016 10:56:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.122	3.087	0.035	94	2249599	50.0	36.7	
\$ 6 Phenol-d5	99	4.004	4.022	-0.018	88	2704071	50.0	39.3	
10 Benzonitrile	103	4.110	4.134	-0.024	1	64		NC	
* 14 1,4-Dichlorobenzene-d4	152	4.363	4.369	-0.006	98	1662129	40.0	40.0	
\$ 26 Nitrobenzene-d5	82	4.922	4.934	-0.012	89	2747943	50.0	41.5	
29 2-Toluidine	107	4.934	4.968	-0.034	1	112		NC	
* 38 Naphthalene-d8	136	5.645	5.651	-0.006	99	6274275	40.0	40.0	
\$ 51 2-Fluorobiphenyl	172	6.734	6.739	-0.005	98	4571625	50.0	41.5	
* 65 Acenaphthene-d10	164	7.398	7.404	-0.006	93	2933899	40.0	40.0	
\$ 80 2,4,6-Tribromophenol	330	8.181	8.186	-0.005	94	430550	50.0	41.8	
63 2-Naphthylamine	143	8.439	8.385	0.054	1	345		NC	
62 1-Naphthylamine	143	8.439	8.385	0.054	1	345		NC	
* 88 Phenanthrene-d10	188	8.863	8.869	-0.006	99	3771793	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.445	10.445	0.000	99	2561648	50.0	47.6	
* 102 Chrysene-d12	240	11.622	11.622	0.000	100	1822431	40.0	40.0	
* 109 Perylene-d12	264	13.539	13.533	0.006	99	1231349	40.0	40.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160405-39444.b\\x12553.D

Injection Date: 05-Apr-2016 09:59:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: MB 460-360667/1-A

Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul

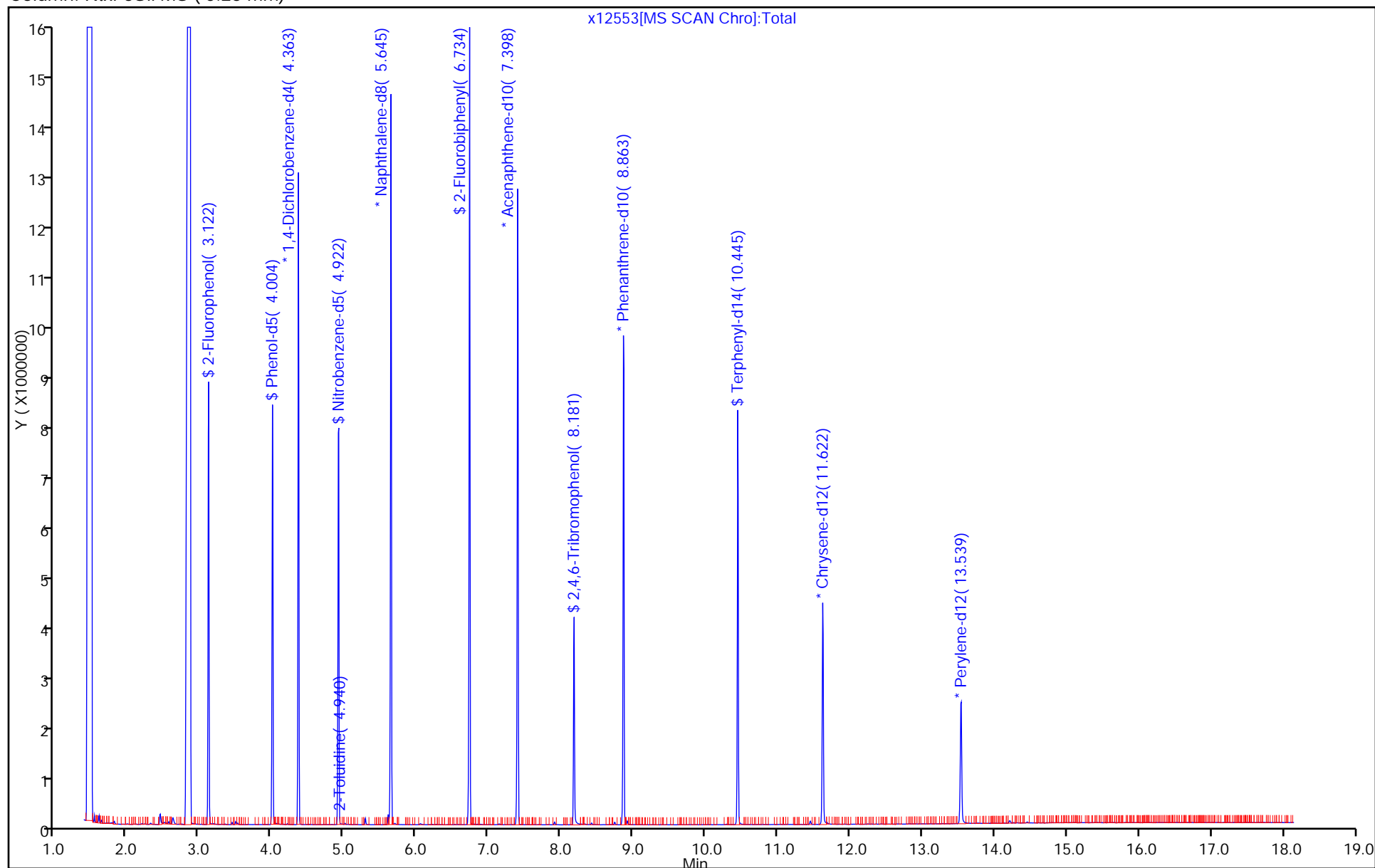
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111539-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-360667/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12554.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/05/2016 10:23</u>
Con. Extract Vol.: <u>1 (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>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	3110		330	28
95-94-3	1,2,4,5-Tetrachlorobenzene	3060		330	25
108-60-1	2,2'-oxybis[1-chloropropane]	2910		330	14
58-90-2	2,3,4,6-Tetrachlorophenol	2790		330	31
95-95-4	2,4,5-Trichlorophenol	2600		330	33
88-06-2	2,4,6-Trichlorophenol	2730		130	9.4
120-83-2	2,4-Dichlorophenol	2660		130	7.8
105-67-9	2,4-Dimethylphenol	2680		330	73
51-28-5	2,4-Dinitrophenol	4790		270	250
121-14-2	2,4-Dinitrotoluene	3140		67	13
606-20-2	2,6-Dinitrotoluene	2980		67	18
91-58-7	2-Chloronaphthalene	2970		330	7.5
95-57-8	2-Chlorophenol	2720		330	8.4
91-57-6	2-Methylnaphthalene	2980		330	7.3
95-48-7	2-Methylphenol	2860		330	14
88-74-4	2-Nitroaniline	2890		330	11
88-75-5	2-Nitrophenol	2860		330	11
91-94-1	3,3'-Dichlorobenzidine	1780		130	37
99-09-2	3-Nitroaniline	1790		330	9.8
534-52-1	4,6-Dinitro-2-methylphenol	5460		270	88
101-55-3	4-Bromophenyl phenyl ether	3190		330	10
59-50-7	4-Chloro-3-methylphenol	2790		330	14
106-47-8	4-Chloroaniline	1700		330	8.5
7005-72-3	4-Chlorophenyl phenyl ether	3090		330	9.9
106-44-5	4-Methylphenol	2620		330	9.0
100-01-6	4-Nitroaniline	2710		330	13
100-02-7	4-Nitrophenol	5460		670	160
83-32-9	Acenaphthene	2890		330	8.0
208-96-8	Acenaphthylene	3080		330	8.5
98-86-2	Acetophenone	3160		330	7.2
120-12-7	Anthracene	3060		330	31
56-55-3	Benzo[a]anthracene	2900		33	28
50-32-8	Benzo[a]pyrene	3020		33	10
205-99-2	Benzo[b]fluoranthene	3050		33	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111539-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-360667/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12554.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/05/2016 10:23</u>
Con. Extract Vol.: <u>1 (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>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	3070		330	19
207-08-9	Benzo[k]fluoranthene	2930		33	14
111-91-1	Bis(2-chloroethoxy)methane	2870		330	10
111-44-4	Bis(2-chloroethyl)ether	3010		33	7.8
117-81-7	Bis(2-ethylhexyl) phthalate	3010		330	13
85-68-7	Butyl benzyl phthalate	2980		330	10
86-74-8	Carbazole	2960		330	8.2
218-01-9	Chrysene	3120		330	9.0
53-70-3	Dibenz(a,h)anthracene	3040		33	17
132-64-9	Dibenzofuran	3080		330	10
84-66-2	Diethyl phthalate	3030		330	9.4
131-11-3	Dimethyl phthalate	3030		330	9.6
84-74-2	Di-n-butyl phthalate	3060		330	9.9
117-84-0	Di-n-octyl phthalate	3070		330	17
206-44-0	Fluoranthene	2990		330	9.8
86-73-7	Fluorene	3050		330	7.2
118-74-1	Hexachlorobenzene	3250		33	13
87-68-3	Hexachlorobutadiene	3070		67	9.3
77-47-4	Hexachlorocyclopentadiene	3170		330	21
67-72-1	Hexachloroethane	3020		33	12
193-39-5	Indeno[1,2,3-cd]pyrene	3000		33	22
78-59-1	Isophorone	3140		130	7.1
91-20-3	Naphthalene	3280		330	8.4
98-95-3	Nitrobenzene	3080		33	10
621-64-7	N-Nitrosodi-n-propylamine	3170		33	11
86-30-6	N-Nitrosodiphenylamine	2850		330	30
87-86-5	Pentachlorophenol	5280		270	40
85-01-8	Phenanthrene	2970		330	8.8
108-95-2	Phenol	2820		330	11
129-00-0	Pyrene	3000		330	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111539-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 460-360667/2-A
Matrix: Solid Lab File ID: x12554.D
Analysis Method: 8270D Date Collected: _____
Extract. Method: 3546 Date Extracted: 04/04/2016 21:26
Sample wt/vol: 15.0000 (g) Date Analyzed: 04/05/2016 10:23
Con. Extract Vol.: 1 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 360719 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	88		10-95
321-60-8	2-Fluorobiphenyl	88	*	27-84
367-12-4	2-Fluorophenol (Surr)	73		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	85		28-92
4165-62-2	Phenol-d5 (Surr)	75		22-88
1718-51-0	Terphenyl-d14 (Surr)	89		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12554.D
 Lims ID: LCS 460-360667/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 05-Apr-2016 10:23:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039444-006
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 05-Apr-2016 14:52:02 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: manlangitf

Date: 05-Apr-2016 10:57:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.810	1.687	0.123	91	895785	50.0	31.5	
2 N-Nitrosodimethylamine	74	2.028	1.928	0.100	87	1618229	50.0	43.6	
3 Pyridine	79	2.052	1.951	0.101	96	2758045	50.0	41.5	
\$ 4 2-Fluorophenol	112	3.134	3.087	0.047	95	2225660	50.0	36.3	
\$ 6 Phenol-d5	99	4.022	4.022	0.000	91	2594731	50.0	37.7	
7 Phenol	94	4.040	4.034	0.006	98	3029697	50.0	42.3	
8 Aniline	93	4.051	4.040	0.011	97	3114172	50.0	36.6	
9 Bis(2-chloroethyl)ether	93	4.110	4.110	0.000	99	2441193	50.0	45.2	
10 Benzonitrile	103	4.128	4.134	-0.006	66	5089511	NC	NC	
11 2-Chlorophenol	128	4.175	4.163	0.012	95	2331300	50.0	40.7	
12 n-Decane	43	4.216	4.216	0.000	85	2161962	50.0	39.5	
13 1,3-Dichlorobenzene	146	4.316	4.316	0.000	94	2953207	50.0	45.1	
* 14 1,4-Dichlorobenzene-d4	152	4.369	4.369	0.000	98	1662632	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.387	4.387	0.000	93	2976604	50.0	44.7	
16 Benzyl alcohol	108	4.516	4.516	0.000	91	1437154	50.0	43.7	
17 1,2-Dichlorobenzene	146	4.540	4.540	0.000	94	2715244	50.0	44.4	
18 2-Methylphenol	108	4.634	4.634	0.000	86	2090278	50.0	42.9	
19 2,2'-oxybis[1-chloropropan	45	4.646	4.651	-0.005	85	2209142	50.0	43.7	
21 Acetophenone	105	4.781	4.787	-0.006	94	3489703	50.0	47.4	
22 N-Nitrosodi-n-propylamine	70	4.787	4.787	0.000	87	1758724	50.0	47.5	
23 3 & 4 Methylphenol	108	4.793	4.798	-0.005	85	2177146	50.0	39.3	
24 4-Methylphenol	108	4.793	4.798	-0.005	89	2177146	50.0	39.3	
20 N-Methylaniline	106	4.769	4.804	-0.035	91	3934006	NC	NC	
25 Hexachloroethane	117	4.875	4.881	-0.006	94	1134106	50.0	45.3	
\$ 26 Nitrobenzene-d5	82	4.928	4.934	-0.006	88	2637356	50.0	42.3	
28 Nitrobenzene	77	4.951	4.957	-0.006	96	3979253	50.0	46.2	
27 n,n'-Dimethylaniline	120	4.951	4.957	-0.006	93	4213926	50.0	52.2	
31 Isophorone	82	5.193	5.198	-0.005	99	4260394	50.0	47.1	
32 2-Nitrophenol	139	5.269	5.269	0.000	87	1187677	50.0	42.9	
33 2,4-Dimethylphenol	122	5.322	5.328	-0.006	88	1772264	50.0	40.2	
34 Bis(2-chloroethoxy)methane	93	5.410	5.416	-0.006	99	2416202	50.0	43.1	
35 Benzoic acid	122	5.457	5.463	-0.006	91	732154	50.0	33.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.516	5.516	0.000	94	1600361	50.0	40.0	
37 1,2,4-Trichlorobenzene	180	5.598	5.598	0.000	94	2184920	50.0	46.4	
* 38 Naphthalene-d8	136	5.651	5.651	0.000	99	5904529	40.0	40.0	
39 Naphthalene	128	5.675	5.675	0.000	100	6871988	50.0	49.1	
40 4-Chloroaniline	127	5.734	5.734	0.000	96	1490868	50.0	25.5	
41 Hexachlorobutadiene	225	5.804	5.804	0.000	94	1311246	50.0	46.0	
43 4-Chloro-3-methylphenol	107	6.228	6.228	0.000	95	1600026	50.0	41.8	
44 2-Methylnaphthalene	142	6.369	6.369	0.000	88	4093321	50.0	44.6	
45 1-Methylnaphthalene	142	6.469	6.469	0.000	93	3772122	50.0	48.3	
46 Hexachlorocyclopentadiene	237	6.534	6.534	0.000	95	1304227	50.0	47.5	
47 1,2,4,5-Tetrachlorobenzene	216	6.540	6.539	0.001	96	1849420	50.0	46.0	
48 2-tertbutyl-4-methylphenol	149	6.581	6.581	0.000	90	2719775	50.0	44.8	
49 2,4,6-Trichlorophenol	196	6.657	6.657	0.000	87	1005710	50.0	41.0	
50 2,4,5-Trichlorophenol	196	6.692	6.692	0.000	94	960630	50.0	39.0	
\$ 51 2-Fluorobiphenyl	172	6.740	6.739	0.001	98	4123292	50.0	44.0	
52 1,1'-Biphenyl	154	6.834	6.833	0.001	95	4771529	50.0	46.6	
53 2-Chloronaphthalene	162	6.851	6.857	-0.006	97	3532422	50.0	44.6	
54 Phenyl ether	170	6.940	6.939	0.001	85	2457439	50.0	46.0	
56 2-Nitroaniline	65	6.957	6.957	0.000	95	1199608	50.0	43.3	
57 1,3-Dimethylnaphthalene	156	7.075	7.075	0.000	93	3071613	50.0	48.2	
58 Dimethyl phthalate	163	7.145	7.145	0.000	98	3264588	50.0	45.5	
59 Coumarin	146	7.163	7.163	0.000	75	1045594	50.0	49.7	
60 2,6-Dinitrotoluene	165	7.198	7.198	0.000	94	728416	50.0	44.7	
61 Acenaphthylene	152	7.263	7.263	0.000	98	4886144	50.0	46.2	
64 3-Nitroaniline	138	7.363	7.369	-0.006	92	441867	50.0	26.9	
* 65 Acenaphthene-d10	164	7.404	7.404	0.000	92	2493799	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.434	7.433	0.001	96	3758165	50.0	49.2	
67 Acenaphthene	154	7.439	7.439	0.000	94	3272435	50.0	43.4	
68 2,4-Dinitrophenol	184	7.469	7.469	0.000	95	681337	100.0	71.9	
69 4-Nitrophenol	65	7.551	7.551	0.000	92	1029248	100.0	81.8	
70 2,4-Dinitrotoluene	165	7.598	7.598	0.000	93	892546	50.0	47.1	
71 Dibenzofuran	168	7.610	7.610	0.000	95	4373293	50.0	46.1	
72 2,3,4,6-Tetrachlorophenol	232	7.734	7.733	0.001	91	699458	50.0	41.8	
73 Diethyl phthalate	149	7.845	7.845	0.000	98	2922555	50.0	45.5	
75 Fluorene	166	7.945	7.945	0.000	94	3389561	50.0	45.8	
74 4-Chlorophenyl phenyl ethe	204	7.945	7.945	0.000	79	1670673	50.0	46.4	
76 4-Nitroaniline	138	7.975	7.975	0.000	87	588690	50.0	40.7	
77 4,6-Dinitro-2-methylphenol	198	8.004	8.004	0.000	84	926121	100.0	81.9	
78 N-Nitrosodiphenylamine	169	8.063	8.069	-0.006	67	2128611	50.0	42.7	
79 1,2-Diphenylhydrazine	77	8.104	8.104	0.000	97	3532726	50.0	46.3	
\$ 80 2,4,6-Tribromophenol	330	8.186	8.186	0.000	93	387685	50.0	44.2	
81 4-Bromophenyl phenyl ether	248	8.428	8.428	0.000	87	847241	50.0	47.9	
83 Hexachlorobenzene	284	8.492	8.498	-0.006	99	836183	50.0	48.8	
85 Pentachlorophenol	266	8.686	8.692	-0.006	91	826908	100.0	79.2	
86 Pentachloronitrobenzene	237	8.704	8.704	0.000	88	378057	50.0	51.1	
87 n-Octadecane	57	8.775	8.775	0.000	91	1794000	50.0	44.8	
* 88 Phenanthrene-d10	188	8.869	8.869	0.000	99	3000771	40.0	40.0	
89 Phenanthrene	178	8.892	8.892	0.000	97	3819037	50.0	44.6	
90 Anthracene	178	8.939	8.945	-0.006	99	3962127	50.0	45.8	
91 Carbazole	167	9.098	9.104	-0.006	96	3001184	50.0	44.4	
92 Di-n-butyl phthalate	149	9.445	9.451	-0.006	99	3769973	50.0	45.9	
93 Fluoranthene	202	10.063	10.063	0.000	98	3117596	50.0	44.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
94 Benzidine	184	10.192	10.198	-0.006	99	741347	50.0	27.4	
95 Pyrene	202	10.286	10.286	0.000	98	3093948	50.0	45.1	
82 Bisphenol-A	213	10.345	10.345	0.000	99	377159	25.0	13.9	
\$ 96 Terphenyl-d14	244	10.445	10.445	0.000	99	2117047	50.0	44.6	
97 Butyl benzyl phthalate	149	10.969	10.969	0.001	98	1165735	50.0	44.6	
99 Carbamazepine	193	11.092	11.092	0.000	91	712739	50.0	35.0	
100 3,3'-Dichlorobenzidine	252	11.586	11.586	0.000	99	430503	50.0	26.7	
101 Benzo[a]anthracene	228	11.610	11.616	-0.006	98	2194786	50.0	43.5	
* 102 Chrysene-d12	240	11.627	11.622	0.005	100	1607312	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.663	11.663	0.000	89	1541375	50.0	45.2	
103 Chrysene	228	11.657	11.663	-0.006	99	2088203	50.0	46.8	
105 Di-n-octyl phthalate	149	12.516	12.521	-0.005	97	2208622	50.0	46.0	
106 Benzo[b]fluoranthene	252	13.016	13.021	-0.005	99	1688809	50.0	45.8	
107 Benzo[k]fluoranthene	252	13.051	13.057	-0.006	100	1712405	50.0	43.9	
108 Benzo[a]pyrene	252	13.457	13.462	-0.005	97	1532643	50.0	45.3	
* 109 Perylene-d12	264	13.539	13.533	0.006	98	1182279	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.045	15.045	0.000	99	1285243	50.0	45.0	
111 Dibenz(a,h)anthracene	278	15.080	15.086	-0.006	95	1324433	50.0	45.6	
112 Benzo[g,h,i]perylene	276	15.457	15.462	-0.005	98	1338950	50.0	46.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160405-39444.b\\x12554.D

Injection Date: 05-Apr-2016 10:23:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: LCS 460-360667/2-A

Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul

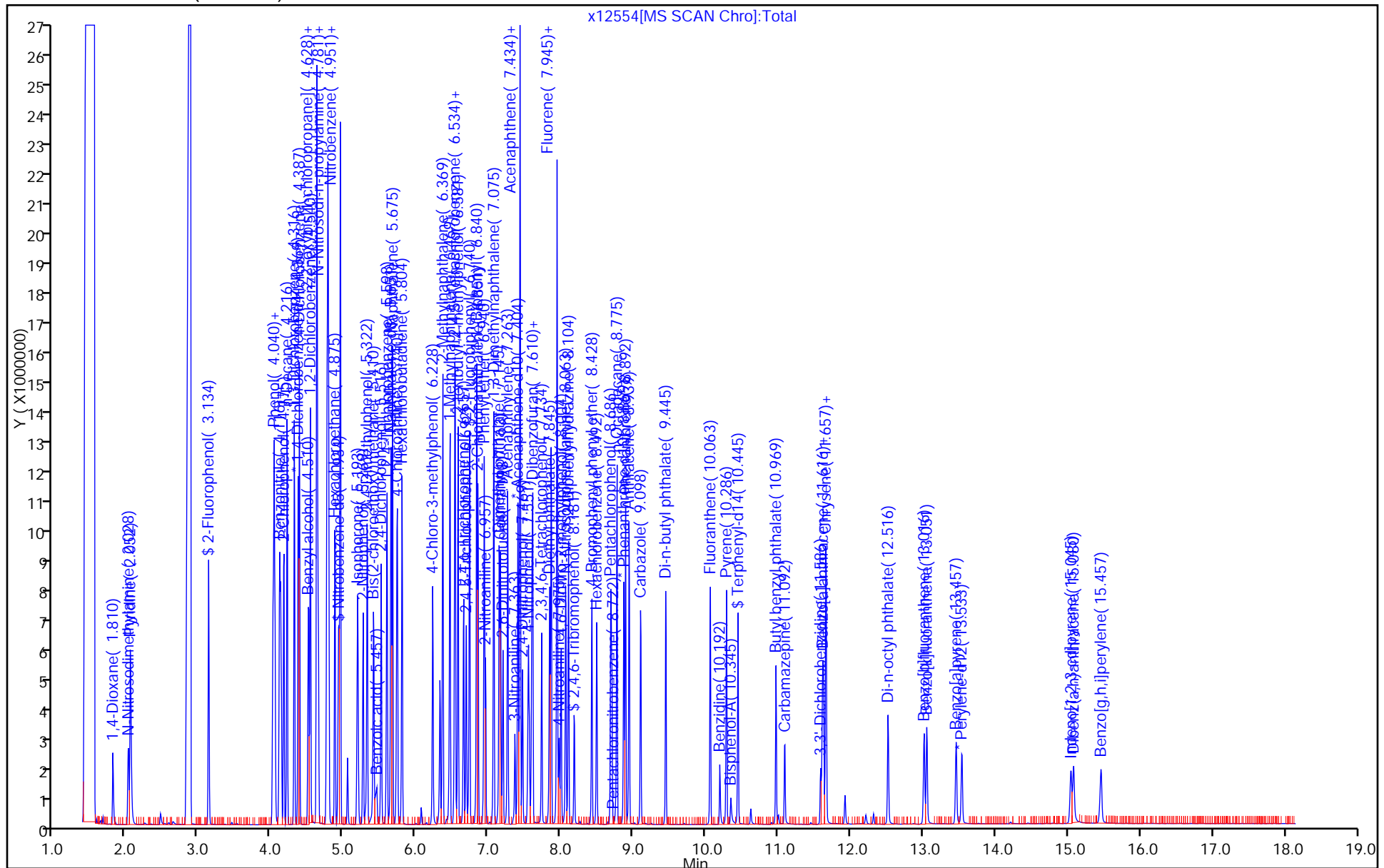
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111539-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-360667/3-A
 Matrix: Solid Lab File ID: x12555.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/04/2016 21:26
 Sample wt/vol: 15.0000 (g) Date Analyzed: 04/05/2016 10:48
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 360719 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	6160		130	15
100-52-7	Benzaldehyde	5980		330	25
105-60-2	Caprolactam	6610		330	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	85		10-95
321-60-8	2-Fluorobiphenyl	86	*	27-84
367-12-4	2-Fluorophenol (Surr)	78		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	87		28-92
4165-62-2	Phenol-d5 (Surr)	83		22-88
1718-51-0	Terphenyl-d14 (Surr)	98		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12555.D
 Lims ID: LCS 460-360667/3-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 05-Apr-2016 10:48:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039444-007
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 05-Apr-2016 14:52:02 Calib Date: 31-Mar-2016 10:26:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: manlangitf

Date: 05-Apr-2016 11:10:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.128	3.087	0.041	94	2322688	50.0	39.0	
5 Benzaldehyde	77	3.946	3.928	0.018	98	4659431	100.0	89.6	
\$ 6 Phenol-d5	99	4.010	4.022	-0.012	88	2763422	50.0	41.3	
* 14 1,4-Dichlorobenzene-d4	152	4.369	4.369	0.000	98	1617778	40.0	40.0	
\$ 26 Nitrobenzene-d5	82	4.922	4.934	-0.012	88	2873778	50.0	43.3	
* 38 Naphthalene-d8	136	5.645	5.651	-0.006	99	6287678	40.0	40.0	
42 Caprolactam	113	6.081	6.069	0.012	92	1173678	100.0	99.1	
\$ 51 2-Fluorobiphenyl	172	6.734	6.739	-0.005	98	4920955	50.0	43.2	
* 65 Acenaphthene-d10	164	7.404	7.404	0.000	92	3035348	40.0	40.0	
\$ 80 2,4,6-Tribromophenol	330	8.181	8.186	-0.005	94	452319	50.0	42.4	
84 Atrazine	200	8.604	8.598	0.006	94	2000522	100.0	92.4	
* 88 Phenanthrene-d10	188	8.869	8.869	0.000	98	4066715	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.445	10.445	0.000	99	3079351	50.0	49.1	
* 102 Chrysene-d12	240	11.622	11.622	0.000	100	2126079	40.0	40.0	
* 109 Perylene-d12	264	13.533	13.533	0.000	98	1394420	40.0	40.0	

Reagents:

SM_ISTD_00105 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160405-39444.b\\x12555.D

Injection Date: 05-Apr-2016 10:48:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: LCS 460-360667/3-A

Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul

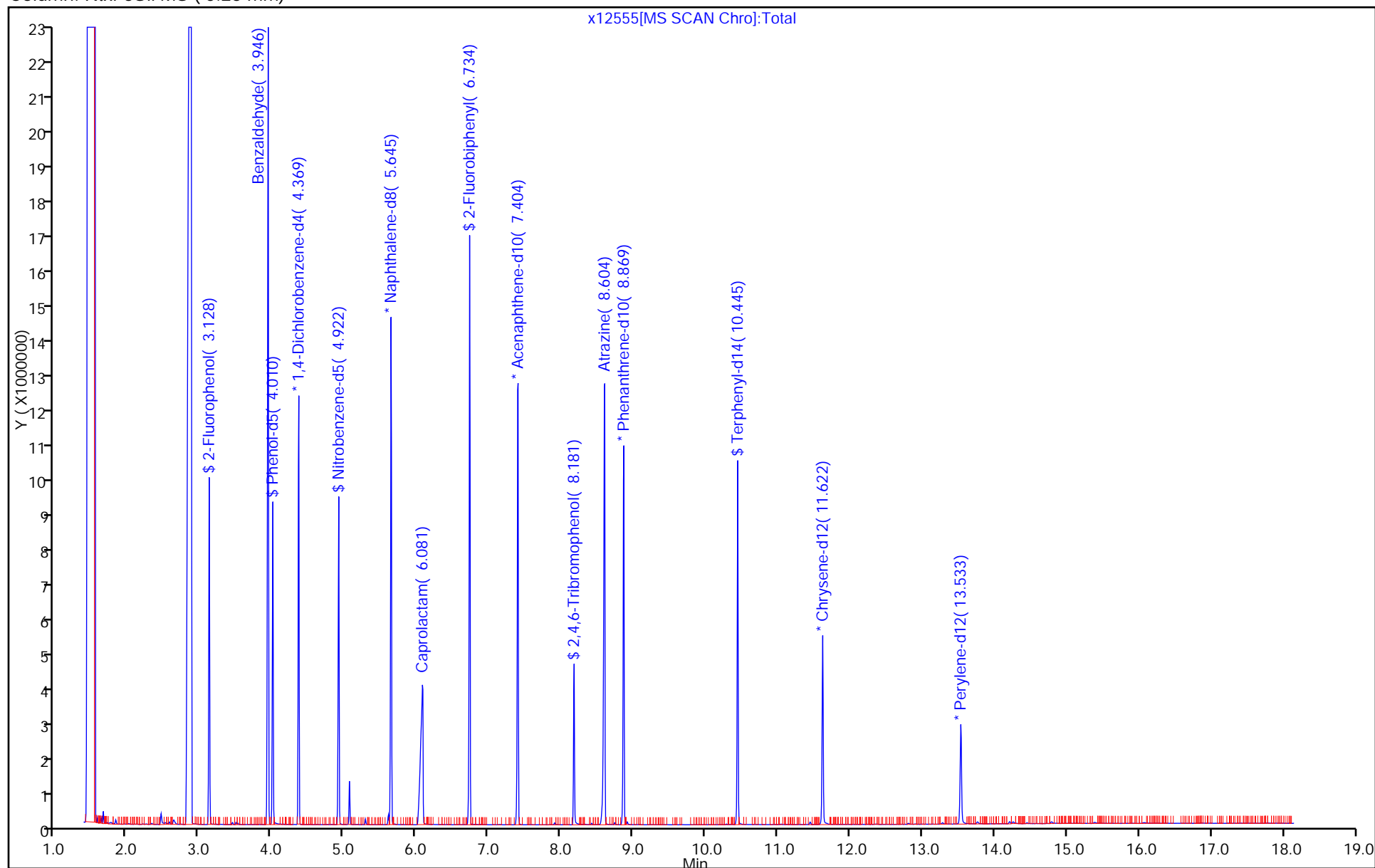
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111539-1</u>
SDG No.: _____	
Client Sample ID: <u>C5 MS</u>	Lab Sample ID: <u>460-111539-3 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12556.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/04/2016 13:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0102(g)</u>	Date Analyzed: <u>04/05/2016 11:13</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>4.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	3040		350	30
95-94-3	1,2,4,5-Tetrachlorobenzene	2880		350	26
108-60-1	2,2'-oxybis[1-chloropropane]	2790		350	14
58-90-2	2,3,4,6-Tetrachlorophenol	2800		350	33
95-95-4	2,4,5-Trichlorophenol	2390		350	35
88-06-2	2,4,6-Trichlorophenol	2680		140	9.9
120-83-2	2,4-Dichlorophenol	2590		140	8.2
105-67-9	2,4-Dimethylphenol	2630		350	76
51-28-5	2,4-Dinitrophenol	5150		280	260
121-14-2	2,4-Dinitrotoluene	3300		70	14
606-20-2	2,6-Dinitrotoluene	3060		70	18
91-58-7	2-Chloronaphthalene	2880		350	7.9
95-57-8	2-Chlorophenol	2530		350	8.8
91-57-6	2-Methylnaphthalene	2950		350	7.7
95-48-7	2-Methylphenol	2770		350	15
88-74-4	2-Nitroaniline	2890		350	11
88-75-5	2-Nitrophenol	2770		350	12
91-94-1	3,3'-Dichlorobenzidine	1960		140	39
99-09-2	3-Nitroaniline	2040		350	10
534-52-1	4,6-Dinitro-2-methylphenol	5630		280	93
101-55-3	4-Bromophenyl phenyl ether	3090		350	11
59-50-7	4-Chloro-3-methylphenol	2740		350	15
106-47-8	4-Chloroaniline	1440		350	8.9
7005-72-3	4-Chlorophenyl phenyl ether	3140		350	10
106-44-5	4-Methylphenol	2720		350	9.4
100-01-6	4-Nitroaniline	2930		350	13
100-02-7	4-Nitrophenol	5730		700	170
83-32-9	Acenaphthene	2890		350	8.4
208-96-8	Acenaphthylene	3060		350	8.9
98-86-2	Acetophenone	2930		350	7.6
120-12-7	Anthracene	3050		350	33
1912-24-9	Atrazine	6350		140	15
100-52-7	Benzaldehyde	4870		350	26
56-55-3	Benzo[a]anthracene	2930		35	29

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111539-1</u>
SDG No.: _____	
Client Sample ID: <u>C5 MS</u>	Lab Sample ID: <u>460-111539-3 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12556.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/04/2016 13:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0102(g)</u>	Date Analyzed: <u>04/05/2016 11:13</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>4.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	3030		35	10
205-99-2	Benzo[b]fluoranthene	3130		35	14
191-24-2	Benzo[g,h,i]perylene	3140		350	20
207-08-9	Benzo[k]fluoranthene	2890		35	15
111-91-1	Bis(2-chloroethoxy)methane	2860		350	11
111-44-4	Bis(2-chloroethyl)ether	2810		35	8.2
117-81-7	Bis(2-ethylhexyl) phthalate	3080		350	14
85-68-7	Butyl benzyl phthalate	3050		350	11
105-60-2	Caprolactam	5880		350	25
86-74-8	Carbazole	2960		350	8.6
218-01-9	Chrysene	3120		350	9.4
53-70-3	Dibenz(a,h)anthracene	2960		35	18
132-64-9	Dibenzofuran	3030		350	10
84-66-2	Diethyl phthalate	3180		350	9.9
131-11-3	Dimethyl phthalate	3140		350	10
84-74-2	Di-n-butyl phthalate	3170		350	10
117-84-0	Di-n-octyl phthalate	3070		350	18
206-44-0	Fluoranthene	3140		350	10
86-73-7	Fluorene	3140		350	7.6
118-74-1	Hexachlorobenzene	3170		35	14
87-68-3	Hexachlorobutadiene	2880		70	9.8
77-47-4	Hexachlorocyclopentadiene	2930		350	22
67-72-1	Hexachloroethane	2740		35	13
193-39-5	Indeno[1,2,3-cd]pyrene	3030		35	23
78-59-1	Isophorone	3220		140	7.5
91-20-3	Naphthalene	3150		350	8.8
98-95-3	Nitrobenzene	2910		35	11
621-64-7	N-Nitrosodi-n-propylamine	3120		35	12
86-30-6	N-Nitrosodiphenylamine	2800		350	31
87-86-5	Pentachlorophenol	5140		280	42
85-01-8	Phenanthrene	2970		350	9.2
108-95-2	Phenol	2590		350	11
129-00-0	Pyrene	3010		350	16

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Analysis Batch No.: <u>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	90		10-95
321-60-8	2-Fluorobiphenyl	85	*	27-84
367-12-4	2-Fluorophenol (Surr)	68		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	80		28-92
4165-62-2	Phenol-d5 (Surr)	72		22-88
1718-51-0	Terphenyl-d14 (Surr)	91		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12556.D

Lims ID: 460-111539-A-3-A MS

Client ID:

Sample Type: MS

Inject. Date: 05-Apr-2016 11:13:30

ALS Bottle#: 8

Worklist Smp#: 8

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Sample Info: 460-0039444-008

Operator ID:

Instrument ID: CBNAMS5

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\8270_5R.m

Limit Group: SV 8270D ICAL

Last Update: 05-Apr-2016 14:52:02

Calib Date: 31-Mar-2016 10:26:30

Integrator: RTE

ID Type: Deconvolution ID

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D

Column 1 : Rtxi-5Sil MS (0.25 mm)

Det: MS SCAN

Process Host: XAWRK023

First Level Reviewer: croccom

Date: 05-Apr-2016 13:08:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.799	1.687	0.112	91	783901	50.0	28.0	
2 N-Nitrosodimethylamine	74	2.022	1.928	0.094	84	1441732	50.0	39.5	
3 Pyridine	79	2.046	1.951	0.095	96	2382604	50.0	36.5	
\$ 4 2-Fluorophenol	112	3.234	3.087	0.147	95	2060361	50.0	34.2	
5 Benzaldehyde	77	3.975	3.928	0.047	94	3658163	100.0	69.7	
\$ 6 Phenol-d5	99	4.045	4.022	0.023	92	2424478	50.0	35.8	
7 Phenol	94	4.057	4.034	0.023	98	2604888	50.0	37.0	
8 Aniline	93	4.075	4.040	0.035	57	2400722	50.0	28.7	
9 Bis(2-chloroethyl)ether	93	4.134	4.110	0.024	99	2134976	50.0	40.2	
10 Benzonitrile	103	4.151	4.134	0.017	66	4439378	NC	NC	
11 2-Chlorophenol	128	4.198	4.163	0.035	96	2037592	50.0	36.2	
12 n-Decane	43	4.222	4.216	0.006	84	1811758	50.0	33.7	
13 1,3-Dichlorobenzene	146	4.334	4.316	0.018	94	2490676	50.0	38.7	
* 14 1,4-Dichlorobenzene-d4	152	4.387	4.369	0.018	98	1634305	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.404	4.387	0.017	93	2552582	50.0	39.0	
16 Benzyl alcohol	108	4.528	4.516	0.012	91	1330098	50.0	41.1	
17 1,2-Dichlorobenzene	146	4.557	4.540	0.017	94	2335680	50.0	38.9	
18 2-Methylphenol	108	4.645	4.634	0.011	84	1896212	50.0	39.6	
19 2,2'-oxybis[1-chloropropan	45	4.657	4.651	0.006	86	1984818	50.0	39.9	
21 Acetophenone	105	4.787	4.787	0.000	92	3029857	50.0	41.8	
22 N-Nitrosodi-n-propylamine	70	4.792	4.787	0.005	84	1624476	50.0	44.6	
23 3 & 4 Methylphenol	108	4.798	4.798	0.000	96	2117448	50.0	38.9	
24 4-Methylphenol	108	4.798	4.798	0.000	95	2117448	50.0	38.9	
20 N-Methylaniline	106	4.781	4.804	-0.023	98	3552326	NC	NC	
25 Hexachloroethane	117	4.887	4.881	0.006	94	963835	50.0	39.1	
\$ 26 Nitrobenzene-d5	82	4.940	4.934	0.006	87	2469644	50.0	40.1	
28 Nitrobenzene	77	4.957	4.957	0.000	91	3551089	50.0	41.7	
27 n,n'-Dimethylaniline	120	4.963	4.957	0.006	90	3745980	50.0	47.2	
29 2-Toluidine	107	4.987	4.968	0.019	35	1792		NC	
31 Isophorone	82	5.198	5.198	0.000	99	4126669	50.0	46.1	
32 2-Nitrophenol	139	5.275	5.269	0.006	88	1087204	50.0	39.6	
33 2,4-Dimethylphenol	122	5.334	5.328	0.006	89	1639752	50.0	37.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.416	5.416	0.000	98	2270314	50.0	40.9	
35 Benzoic acid	122	5.445	5.463	-0.018	85	315547	50.0	14.7	
36 2,4-Dichlorophenol	162	5.522	5.516	0.006	94	1469046	50.0	37.1	
37 1,2,4-Trichlorobenzene	180	5.598	5.598	0.000	94	1946652	50.0	41.8	
* 38 Naphthalene-d8	136	5.657	5.651	0.006	99	5843955	40.0	40.0	
39 Naphthalene	128	5.675	5.675	0.000	100	6230044	50.0	45.0	
40 4-Chloroaniline	127	5.734	5.734	0.000	96	1190480	50.0	20.6	
41 Hexachlorobutadiene	225	5.804	5.804	0.000	95	1161554	50.0	41.2	
42 Caprolactam	113	6.128	6.069	0.059	92	924731	100.0	84.0	M
43 4-Chloro-3-methylphenol	107	6.245	6.228	0.017	95	1485601	50.0	39.2	
44 2-Methylnaphthalene	142	6.369	6.369	0.000	86	3831511	50.0	42.2	
45 1-Methylnaphthalene	142	6.469	6.469	0.000	93	3512330	50.0	45.5	
46 Hexachlorocyclopentadiene	237	6.534	6.534	0.000	95	1182756	50.0	41.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.539	6.539	0.000	95	1700141	50.0	41.1	
48 2-tertbutyl-4-methylphenol	149	6.581	6.581	0.000	90	2537564	50.0	42.2	
49 2,4,6-Trichlorophenol	196	6.663	6.657	0.006	88	965632	50.0	38.3	
50 2,4,5-Trichlorophenol	196	6.704	6.692	0.012	95	863478	50.0	34.1	
\$ 51 2-Fluorobiphenyl	172	6.739	6.739	0.000	98	4103134	50.0	42.6	
52 1,1'-Biphenyl	154	6.833	6.833	0.000	94	4567094	50.0	43.4	
53 2-Chloronaphthalene	162	6.851	6.857	-0.006	97	3346447	50.0	41.1	
55 Benzidine_T	184	7.151	6.863	0.288	51	108		NC	
54 Phenyl ether	170	6.939	6.939	0.000	84	2367803	50.0	43.1	
56 2-Nitroaniline	65	6.957	6.957	0.000	95	1173333	50.0	41.2	
57 1,3-Dimethylnaphthalene	156	7.075	7.075	0.000	92	2961479	50.0	45.2	
58 Dimethyl phthalate	163	7.145	7.145	0.000	99	3311441	50.0	44.9	
59 Coumarin	146	7.163	7.163	0.000	75	1074189	50.0	51.6	
60 2,6-Dinitrotoluene	165	7.198	7.198	0.000	94	734418	50.0	43.8	
61 Acenaphthylene	152	7.263	7.263	0.000	98	4762887	50.0	43.8	
64 3-Nitroaniline	138	7.369	7.369	0.000	94	492700	50.0	29.2	
* 65 Acenaphthene-d10	164	7.404	7.404	0.000	92	2563316	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.433	7.433	0.000	96	3473963	50.0	44.3	
67 Acenaphthene	154	7.439	7.439	0.000	94	3202736	50.0	41.3	
68 2,4-Dinitrophenol	184	7.469	7.469	0.000	96	717925	100.0	73.7	
69 4-Nitrophenol	65	7.551	7.551	0.000	91	1059479	100.0	82.0	
70 2,4-Dinitrotoluene	165	7.598	7.598	0.000	93	918550	50.0	47.1	
71 Dibenzofuran	168	7.610	7.610	0.000	98	4227007	50.0	43.4	
72 2,3,4,6-Tetrachlorophenol	232	7.733	7.733	0.000	91	688119	50.0	40.0	
73 Diethyl phthalate	149	7.845	7.845	0.000	98	2997428	50.0	45.4	
75 Fluorene	166	7.945	7.945	0.000	94	3410416	50.0	44.8	
74 4-Chlorophenyl phenyl ethe	204	7.945	7.945	0.000	78	1662823	50.0	44.9	
76 4-Nitroaniline	138	7.975	7.975	0.000	88	622764	50.0	41.9	
77 4,6-Dinitro-2-methylphenol	198	8.004	8.004	0.000	86	988254	100.0	80.5	
78 N-Nitrosodiphenylamine	169	8.063	8.069	-0.006	90	2163971	50.0	40.0	
79 1,2-Diphenylhydrazine	77	8.104	8.104	0.000	97	3529910	50.0	42.7	
\$ 80 2,4,6-Tribromophenol	330	8.186	8.186	0.000	94	404929	50.0	45.0	
63 2-Naphthylamine	143	8.428	8.385	0.043	50	71182		NC	
62 1-Naphthylamine	143	8.286	8.385	-0.099	1	539		NC	
81 4-Bromophenyl phenyl ether	248	8.428	8.428	0.000	88	849603	50.0	44.2	
83 Hexachlorobenzene	284	8.492	8.498	-0.006	98	843240	50.0	45.3	
84 Atrazine	200	8.604	8.598	0.006	92	1573692	100.0	90.8	
85 Pentachlorophenol	266	8.692	8.692	0.000	93	833400	100.0	73.5	
86 Pentachloronitrobenzene	237	8.704	8.704	0.000	86	384986	50.0	47.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 n-Octadecane	57	8.775	8.775	0.000	91	1783960	50.0	41.0	
* 88 Phenanthrene-d10	188	8.869	8.869	0.000	98	3257838	40.0	40.0	
89 Phenanthrene	178	8.892	8.892	0.000	97	3950929	50.0	42.5	
90 Anthracene	178	8.939	8.945	-0.006	99	4092572	50.0	43.6	
91 Carbazole	167	9.098	9.104	-0.006	96	3101139	50.0	42.3	
92 Di-n-butyl phthalate	149	9.445	9.451	-0.006	99	4036815	50.0	45.3	
93 Fluoranthene	202	10.063	10.063	0.000	98	3386568	50.0	44.8	
94 Benzidine	184	10.192	10.198	-0.006	99	559245	50.0	19.8	
95 Pyrene	202	10.286	10.286	0.000	98	3311374	50.0	43.1	
82 Bisphenol-A	213	10.345	10.345	0.000	99	460903	25.0	15.1	
\$ 96 Terphenyl-d14	244	10.445	10.445	0.000	99	2409166	50.0	45.3	
97 Butyl benzyl phthalate	149	10.969	10.969	0.001	98	1275785	50.0	43.6	
99 Carbamazepine	193	11.086	11.092	-0.006	91	868420	50.0	38.1	
100 3,3'-Dichlorobenzidine	252	11.586	11.586	0.000	98	504638	50.0	28.0	
101 Benzo[a]anthracene	228	11.610	11.616	-0.006	98	2369829	50.0	41.9	
* 102 Chrysene-d12	240	11.621	11.622	-0.001	100	1800887	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.657	11.663	-0.006	90	1679115	50.0	44.0	
103 Chrysene	228	11.657	11.663	-0.006	99	2228283	50.0	44.6	
105 Di-n-octyl phthalate	149	12.515	12.521	-0.006	97	2390613	50.0	43.8	
106 Benzo[b]fluoranthene	252	13.015	13.021	-0.006	99	1876392	50.0	44.8	
107 Benzo[k]fluoranthene	252	13.051	13.057	-0.006	99	1830059	50.0	41.3	
108 Benzo[a]pyrene	252	13.457	13.462	-0.005	97	1668182	50.0	43.4	
* 109 Perylene-d12	264	13.533	13.533	0.000	98	1342737	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.045	15.045	0.000	99	1405040	50.0	43.3	
111 Dibenz(a,h)anthracene	278	15.080	15.086	-0.006	98	1396028	50.0	42.3	
112 Benzo[g,h,i]perylene	276	15.456	15.462	-0.006	98	1482987	50.0	44.9	
S 119 Total Cresols	1				0			78.5	
127 4,4'-DDT	235	8.192	7.857	0.335	72	1542		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160405-39444.b\\x12556.D

Injection Date: 05-Apr-2016 11:13:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: 460-111539-A-3-A MS

Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul

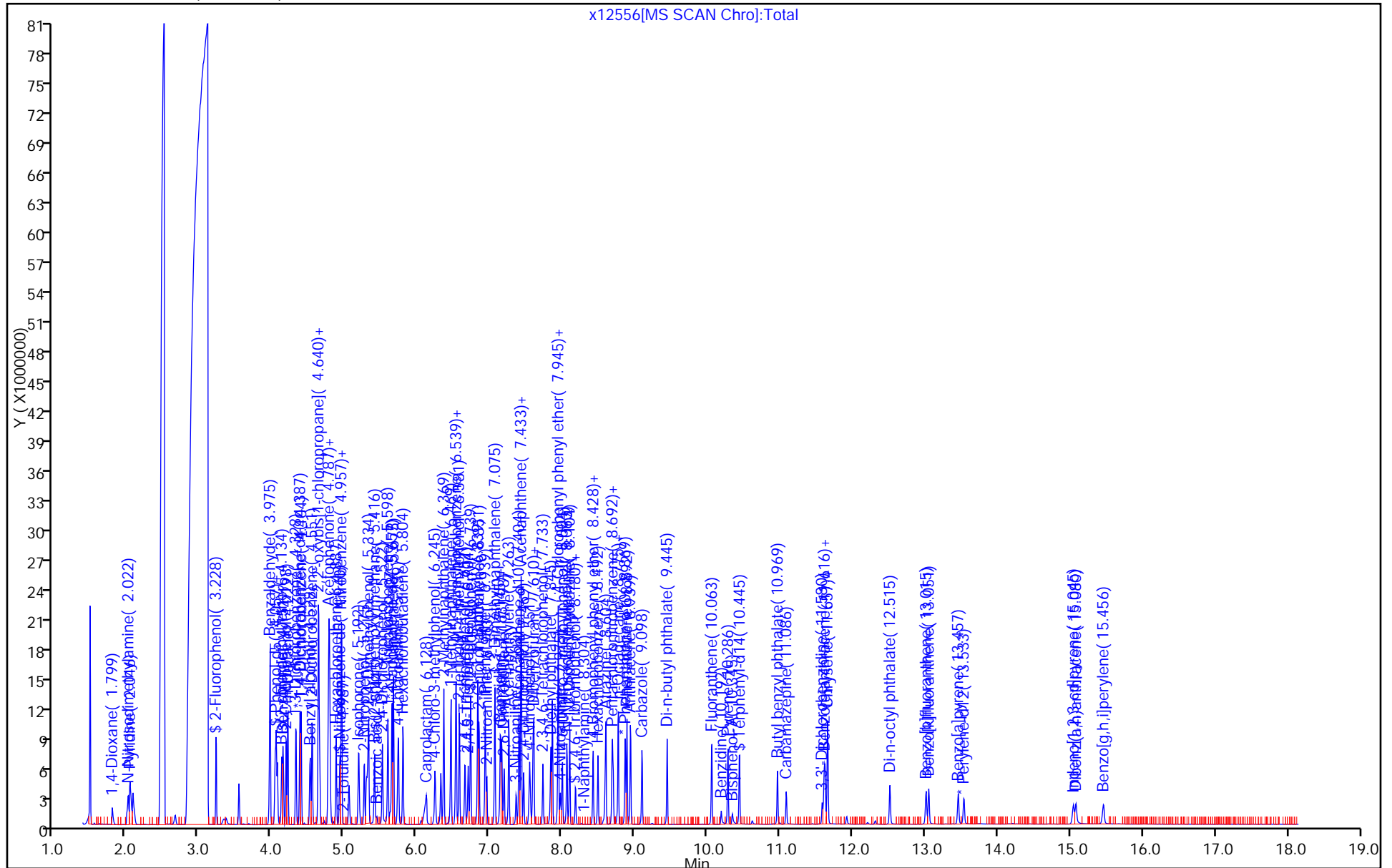
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12556.D

Injection Date: 05-Apr-2016 11:13:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-3-A MS

Client ID:

Operator ID:

ALS Bottle#:

8

Worklist Smp#: 8

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

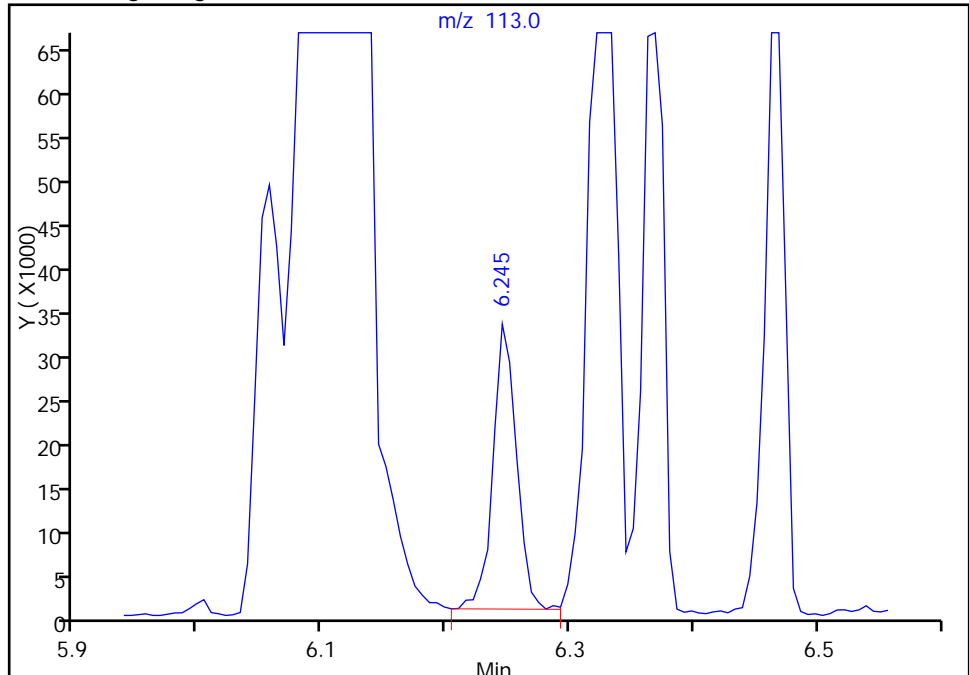
Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

42 Caprolactam, CAS: 105-60-2

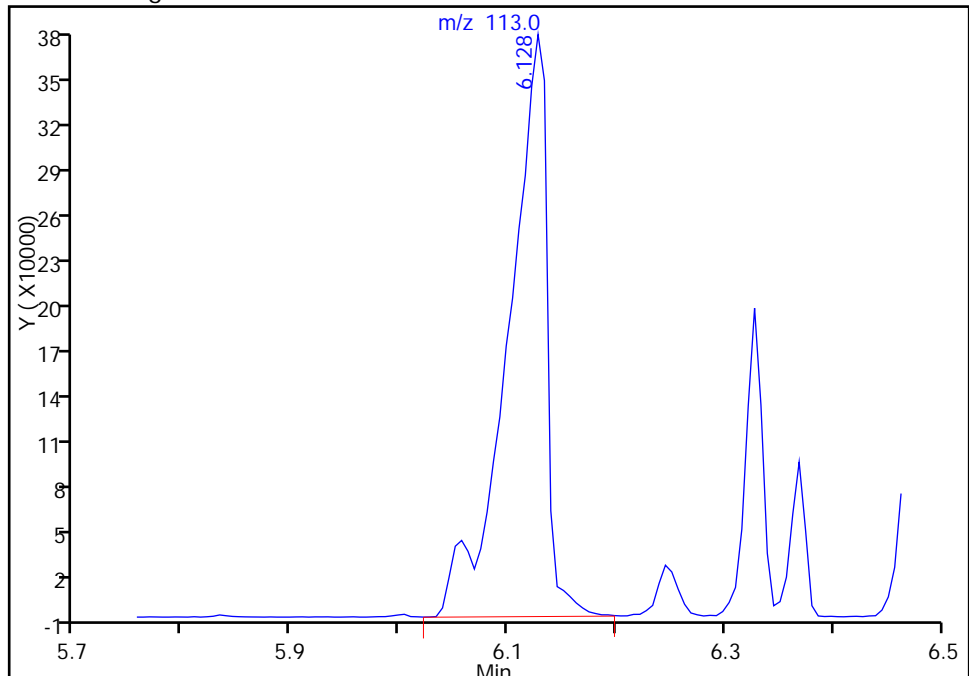
RT: 6.25
Area: 42744
Amount: 3.882993
Amount Units: ug/ml

Processing Integration Results



RT: 6.13
Area: 924731
Amount: 84.005334
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 05-Apr-2016 13:26:08

Audit Action: Manually Integrated

Audit Reason: Split Peak

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Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0098(g)</u>	Date Analyzed: <u>04/05/2016 11:38</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>4.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2970		350	30
95-94-3	1,2,4,5-Tetrachlorobenzene	2870		350	26
108-60-1	2,2'-oxybis[1-chloropropane]	2820		350	14
58-90-2	2,3,4,6-Tetrachlorophenol	2780		350	33
95-95-4	2,4,5-Trichlorophenol	2420		350	35
88-06-2	2,4,6-Trichlorophenol	2650		140	9.9
120-83-2	2,4-Dichlorophenol	2590		140	8.2
105-67-9	2,4-Dimethylphenol	2620		350	76
51-28-5	2,4-Dinitrophenol	5150		280	260
121-14-2	2,4-Dinitrotoluene	3320		70	14
606-20-2	2,6-Dinitrotoluene	3110		70	18
91-58-7	2-Chloronaphthalene	2840		350	7.9
95-57-8	2-Chlorophenol	2580		350	8.8
91-57-6	2-Methylnaphthalene	2890		350	7.7
95-48-7	2-Methylphenol	2800		350	15
88-74-4	2-Nitroaniline	2980		350	11
88-75-5	2-Nitrophenol	2740		350	12
91-94-1	3,3'-Dichlorobenzidine	2120		140	39
99-09-2	3-Nitroaniline	2110		350	10
534-52-1	4,6-Dinitro-2-methylphenol	5670		280	93
101-55-3	4-Bromophenyl phenyl ether	3150		350	11
59-50-7	4-Chloro-3-methylphenol	2760		350	15
106-47-8	4-Chloroaniline	1550		350	8.9
7005-72-3	4-Chlorophenyl phenyl ether	3130		350	10
106-44-5	4-Methylphenol	2760		350	9.4
100-01-6	4-Nitroaniline	2900		350	13
100-02-7	4-Nitrophenol	5740		700	170
83-32-9	Acenaphthene	2890		350	8.4
208-96-8	Acenaphthylene	3050		350	8.9
98-86-2	Acetophenone	2960		350	7.6
120-12-7	Anthracene	3080		350	33
1912-24-9	Atrazine	6280		140	15
100-52-7	Benzaldehyde	4720		350	26
56-55-3	Benzo[a]anthracene	2960		35	29

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111539-1</u>
SDG No.: _____	
Client Sample ID: <u>C5 MSD</u>	Lab Sample ID: <u>460-111539-3 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12557.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/04/2016 13:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0098(g)</u>	Date Analyzed: <u>04/05/2016 11:38</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>4.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	3030		35	10
205-99-2	Benzo[b]fluoranthene	3180		35	14
191-24-2	Benzo[g,h,i]perylene	3190		350	20
207-08-9	Benzo[k]fluoranthene	2850		35	15
111-91-1	Bis(2-chloroethoxy)methane	2830		350	11
111-44-4	Bis(2-chloroethyl)ether	2820		35	8.2
117-81-7	Bis(2-ethylhexyl) phthalate	3130		350	14
85-68-7	Butyl benzyl phthalate	3170		350	11
105-60-2	Caprolactam	5670		350	25
86-74-8	Carbazole	3000		350	8.6
218-01-9	Chrysene	3090		350	9.4
53-70-3	Dibenz(a,h)anthracene	3070		35	18
132-64-9	Dibenzofuran	3080		350	10
84-66-2	Diethyl phthalate	3190		350	9.9
131-11-3	Dimethyl phthalate	3150		350	10
84-74-2	Di-n-butyl phthalate	3200		350	10
117-84-0	Di-n-octyl phthalate	3160		350	18
206-44-0	Fluoranthene	3060		350	10
86-73-7	Fluorene	3080		350	7.6
118-74-1	Hexachlorobenzene	3220		35	14
87-68-3	Hexachlorobutadiene	2820		70	9.8
77-47-4	Hexachlorocyclopentadiene	2850		350	22
67-72-1	Hexachloroethane	2750		35	13
193-39-5	Indeno[1,2,3-cd]pyrene	3070		35	23
78-59-1	Isophorone	3180		140	7.5
91-20-3	Naphthalene	3100		350	8.8
98-95-3	Nitrobenzene	2900		35	11
621-64-7	N-Nitrosodi-n-propylamine	3120		35	12
86-30-6	N-Nitrosodiphenylamine	2860		350	31
87-86-5	Pentachlorophenol	5220		280	42
85-01-8	Phenanthrene	3010		350	9.2
108-95-2	Phenol	2620		350	11
129-00-0	Pyrene	3100		350	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111539-1</u>
SDG No.: _____	
Client Sample ID: <u>C5 MSD</u>	Lab Sample ID: <u>460-111539-3 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12557.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/04/2016 13:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/04/2016 21:26</u>
Sample wt/vol: <u>15.0098(g)</u>	Date Analyzed: <u>04/05/2016 11:38</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>4.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>360719</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	82		10-95
321-60-8	2-Fluorobiphenyl	80		27-84
367-12-4	2-Fluorophenol (Surr)	65		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	76		28-92
4165-62-2	Phenol-d5 (Surr)	69		22-88
1718-51-0	Terphenyl-d14 (Surr)	87		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12557.D

Lims ID: 460-111539-A-3-B MSD

Client ID:

Sample Type: MSD

Inject. Date: 05-Apr-2016 11:38:30

ALS Bottle#:

9

Worklist Smp#:

9

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Sample Info: 460-0039444-009

Operator ID:

Instrument ID:

CBNAMS5

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\8270_5R.m

Limit Group: SV 8270D ICAL

Last Update: 05-Apr-2016 14:52:02

Calib Date:

31-Mar-2016 10:26:30

Integrator: RTE

ID Type:

Deconvolution ID

Quant Method: Internal Standard

Quant By:

Initial Calibration

Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS5\20160331-39236.b\12346.D

Column 1 : Rtxi-5Sil MS (0.25 mm)

Det: MS SCAN

Process Host: XAWRK023

First Level Reviewer: croccom

Date:

05-Apr-2016 13:30:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.787	1.687	0.100	91	706263	50.0	27.3	
2 N-Nitrosodimethylamine	74	2.004	1.928	0.076	87	1337601	50.0	39.6	
3 Pyridine	79	2.034	1.951	0.083	95	2193772	50.0	36.3	
\$ 4 2-Fluorophenol	112	3.216	3.087	0.129	93	1805230	50.0	32.4	
5 Benzaldehyde	77	3.969	3.928	0.041	93	3278936	100.0	67.5	
\$ 6 Phenol-d5	99	4.040	4.022	0.018	91	2159827	50.0	34.5	
7 Phenol	94	4.057	4.034	0.023	98	2443037	50.0	37.5	
8 Aniline	93	4.069	4.040	0.029	98	2321827	50.0	30.0	
9 Bis(2-chloroethyl)ether	93	4.134	4.110	0.024	99	1981012	50.0	40.3	
10 Benzonitrile	103	4.151	4.134	0.017	66	4133662	NC	NC	
11 2-Chlorophenol	128	4.193	4.163	0.030	95	1918110	50.0	36.9	
12 n-Decane	43	4.216	4.216	0.000	84	1687133	50.0	33.9	
13 1,3-Dichlorobenzene	146	4.328	4.316	0.012	93	2256320	50.0	37.9	
* 14 1,4-Dichlorobenzene-d4	152	4.387	4.369	0.018	98	1511819	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.398	4.387	0.011	92	2335577	50.0	38.5	
16 Benzyl alcohol	108	4.522	4.516	0.006	91	1214356	50.0	40.6	
17 1,2-Dichlorobenzene	146	4.551	4.540	0.011	93	2154020	50.0	38.7	
18 2-Methylphenol	108	4.645	4.634	0.011	87	1774728	50.0	40.1	
19 2,2'-oxybis[1-chloropropan	45	4.657	4.651	0.006	86	1856396	50.0	40.3	
21 Acetophenone	105	4.787	4.787	0.000	92	2831029	50.0	42.3	
22 N-Nitrosodi-n-propylamine	70	4.793	4.787	0.006	87	1503135	50.0	44.6	
23 3 & 4 Methylphenol	108	4.798	4.798	0.000	95	1985051	50.0	39.4	
24 4-Methylphenol	108	4.798	4.798	0.000	91	1985051	50.0	39.4	
20 N-Methylaniline	106	4.775	4.804	-0.029	95	3282563	NC	NC	
25 Hexachloroethane	117	4.887	4.881	0.006	95	895413	50.0	39.3	
\$ 26 Nitrobenzene-d5	82	4.934	4.934	0.000	88	2200977	50.0	38.1	
28 Nitrobenzene	77	4.957	4.957	0.000	86	3310219	50.0	41.5	
27 n,n'-Dimethylaniline	120	4.957	4.957	0.000	87	3450774	50.0	47.1	
29 2-Toluidine	107	4.981	4.968	0.013	34	3605		NC	
31 Isophorone	82	5.193	5.198	-0.006	100	3818696	50.0	45.5	
32 2-Nitrophenol	139	5.275	5.269	0.006	88	1004995	50.0	39.1	
33 2,4-Dimethylphenol	122	5.334	5.328	0.006	89	1526899	50.0	37.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.416	5.416	0.000	98	2101189	50.0	40.4	
35 Benzoic acid	122	5.445	5.463	-0.018	86	412475	50.0	20.6	
36 2,4-Dichlorophenol	162	5.522	5.516	0.006	94	1372416	50.0	37.0	
37 1,2,4-Trichlorobenzene	180	5.598	5.598	0.000	94	1773377	50.0	40.6	
* 38 Naphthalene-d8	136	5.657	5.651	0.006	99	5474152	40.0	40.0	
39 Naphthalene	128	5.675	5.675	0.000	100	5744128	50.0	44.3	
40 4-Chloroaniline	127	5.734	5.734	0.000	96	1200568	50.0	22.2	
41 Hexachlorobutadiene	225	5.804	5.804	0.000	94	1065946	50.0	40.3	
42 Caprolactam	113	6.128	6.069	0.059	87	836264	100.0	81.1	M
43 4-Chloro-3-methylphenol	107	6.245	6.228	0.017	95	1402692	50.0	39.5	
44 2-Methylnaphthalene	142	6.369	6.369	0.000	85	3508947	50.0	41.3	
45 1-Methylnaphthalene	142	6.469	6.469	0.000	93	3228434	50.0	44.6	
46 Hexachlorocyclopentadiene	237	6.534	6.534	0.000	95	1068988	50.0	40.8	
47 1,2,4,5-Tetrachlorobenzene	216	6.539	6.539	0.000	95	1577342	50.0	41.0	
48 2-tertbutyl-4-methylphenol	149	6.581	6.581	0.000	89	2429413	50.0	43.1	
49 2,4,6-Trichlorophenol	196	6.663	6.657	0.006	88	888466	50.0	37.9	
50 2,4,5-Trichlorophenol	196	6.704	6.692	0.012	94	814723	50.0	34.6	
\$ 51 2-Fluorobiphenyl	172	6.739	6.739	0.000	98	3585960	50.0	40.1	
52 1,1'-Biphenyl	154	6.834	6.833	0.001	95	4144913	50.0	42.4	
53 2-Chloronaphthalene	162	6.851	6.857	-0.006	97	3066871	50.0	40.6	
54 Phenyl ether	170	6.939	6.939	0.000	85	2173244	50.0	42.6	
56 2-Nitroaniline	65	6.957	6.957	0.000	95	1125749	50.0	42.6	
57 1,3-Dimethylnaphthalene	156	7.075	7.075	0.000	92	2707057	50.0	44.5	
58 Dimethyl phthalate	163	7.145	7.145	0.000	99	3090556	50.0	45.1	
59 Coumarin	146	7.163	7.163	0.000	74	991427	50.0	50.8	
60 2,6-Dinitrotoluene	165	7.198	7.198	0.000	94	692656	50.0	44.5	
61 Acenaphthylene	152	7.263	7.263	0.000	98	4410545	50.0	43.7	
64 3-Nitroaniline	138	7.363	7.369	-0.006	93	473747	50.0	30.2	
* 65 Acenaphthene-d10	164	7.404	7.404	0.000	92	2381468	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.434	7.433	0.001	97	3230603	50.0	44.3	
67 Acenaphthene	154	7.439	7.439	0.000	94	2974215	50.0	41.3	
68 2,4-Dinitrophenol	184	7.469	7.469	0.000	95	665980	100.0	73.5	
69 4-Nitrophenol	65	7.551	7.551	0.000	92	985557	100.0	82.1	
70 2,4-Dinitrotoluene	165	7.598	7.598	0.000	92	859645	50.0	47.5	
71 Dibenzofuran	168	7.610	7.610	0.000	95	3991647	50.0	44.1	
72 2,3,4,6-Tetrachlorophenol	232	7.734	7.733	0.001	91	635327	50.0	39.7	
73 Diethyl phthalate	149	7.845	7.845	0.000	98	2798646	50.0	45.6	
75 Fluorene	166	7.945	7.945	0.000	94	3113220	50.0	44.0	
74 4-Chlorophenyl phenyl ethe	204	7.945	7.945	0.000	78	1537156	50.0	44.7	
76 4-Nitroaniline	138	7.975	7.975	0.000	89	573338	50.0	41.5	
77 4,6-Dinitro-2-methylphenol	198	8.004	8.004	0.000	83	893642	100.0	81.1	
78 N-Nitrosodiphenylamine	169	8.063	8.069	-0.006	67	1982865	50.0	40.9	
79 1,2-Diphenylhydrazine	77	8.104	8.104	0.000	98	3324056	50.0	44.8	
\$ 80 2,4,6-Tribromophenol	330	8.186	8.186	0.000	94	342363	50.0	40.9	
63 2-Naphthylamine	143	8.428	8.385	0.043	51	66125		NC	
62 1-Naphthylamine	143	8.298	8.385	-0.087	18	181		NC	
81 4-Bromophenyl phenyl ether	248	8.428	8.428	0.000	87	775908	50.0	45.0	
83 Hexachlorobenzene	284	8.492	8.498	-0.006	99	769019	50.0	46.0	
84 Atrazine	200	8.604	8.598	0.006	92	1395779	100.0	89.7	
85 Pentachlorophenol	266	8.692	8.692	0.000	91	758555	100.0	74.6	
86 Pentachloronitrobenzene	237	8.704	8.704	0.000	87	351067	50.0	48.7	
87 n-Octadecane	57	8.775	8.775	0.000	91	1704948	50.0	43.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.869	8.869	0.000	98	2923609	40.0	40.0	
89 Phenanthrene	178	8.892	8.892	0.000	97	3594492	50.0	43.1	
90 Anthracene	178	8.939	8.945	-0.006	99	3706261	50.0	44.0	
91 Carbazole	167	9.098	9.104	-0.006	96	2824773	50.0	42.9	
92 Di-n-butyl phthalate	149	9.445	9.451	-0.006	99	3652482	50.0	45.7	
93 Fluoranthene	202	10.063	10.063	0.000	98	2969235	50.0	43.8	
94 Benzidine	184	10.192	10.198	-0.006	99	493511	50.0	19.5	
95 Pyrene	202	10.286	10.286	0.000	98	2887741	50.0	44.4	
82 Bisphenol-A	213	10.345	10.345	0.000	99	410990	25.0	16.0	
\$ 96 Terphenyl-d14	244	10.445	10.445	0.000	99	1961451	50.0	43.6	
97 Butyl benzyl phthalate	149	10.969	10.969	0.001	98	1122133	50.0	45.3	
99 Carbamazepine	193	11.086	11.092	-0.006	91	747278	50.0	38.7	
100 3,3'-Dichlorobenzidine	252	11.586	11.586	0.000	99	461701	50.0	30.3	
101 Benzo[a]anthracene	228	11.610	11.616	-0.006	98	2022045	50.0	42.3	
* 102 Chrysene-d12	240	11.627	11.622	0.005	100	1524188	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.663	11.663	0.000	89	1447612	50.0	44.8	
103 Chrysene	228	11.657	11.663	-0.006	99	1867765	50.0	44.2	
105 Di-n-octyl phthalate	149	12.516	12.521	-0.005	97	2093996	50.0	45.1	
106 Benzo[b]fluoranthene	252	13.016	13.021	-0.005	99	1622437	50.0	45.5	
107 Benzo[k]fluoranthene	252	13.051	13.057	-0.006	99	1537250	50.0	40.8	
108 Benzo[a]pyrene	252	13.457	13.462	-0.005	97	1418582	50.0	43.4	
* 109 Perylene-d12	264	13.533	13.533	0.000	98	1142506	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.045	15.045	0.000	99	1210264	50.0	43.8	
111 Dibenz(a,h)anthracene	278	15.080	15.086	-0.006	95	1231765	50.0	43.9	
112 Benzo[g,h,i]perylene	276	15.457	15.462	-0.005	98	1281107	50.0	45.5	
S 119 Total Cresols	1				0			79.5	
126 4,4'-DDD	235	7.775	7.534	0.241	1	177		NR	7
127 4,4'-DDT	235	8.192	7.857	0.335	72	1388		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160405-39444.b\\x12557.D

Injection Date: 05-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: 460-111539-A-3-B MSD

Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul

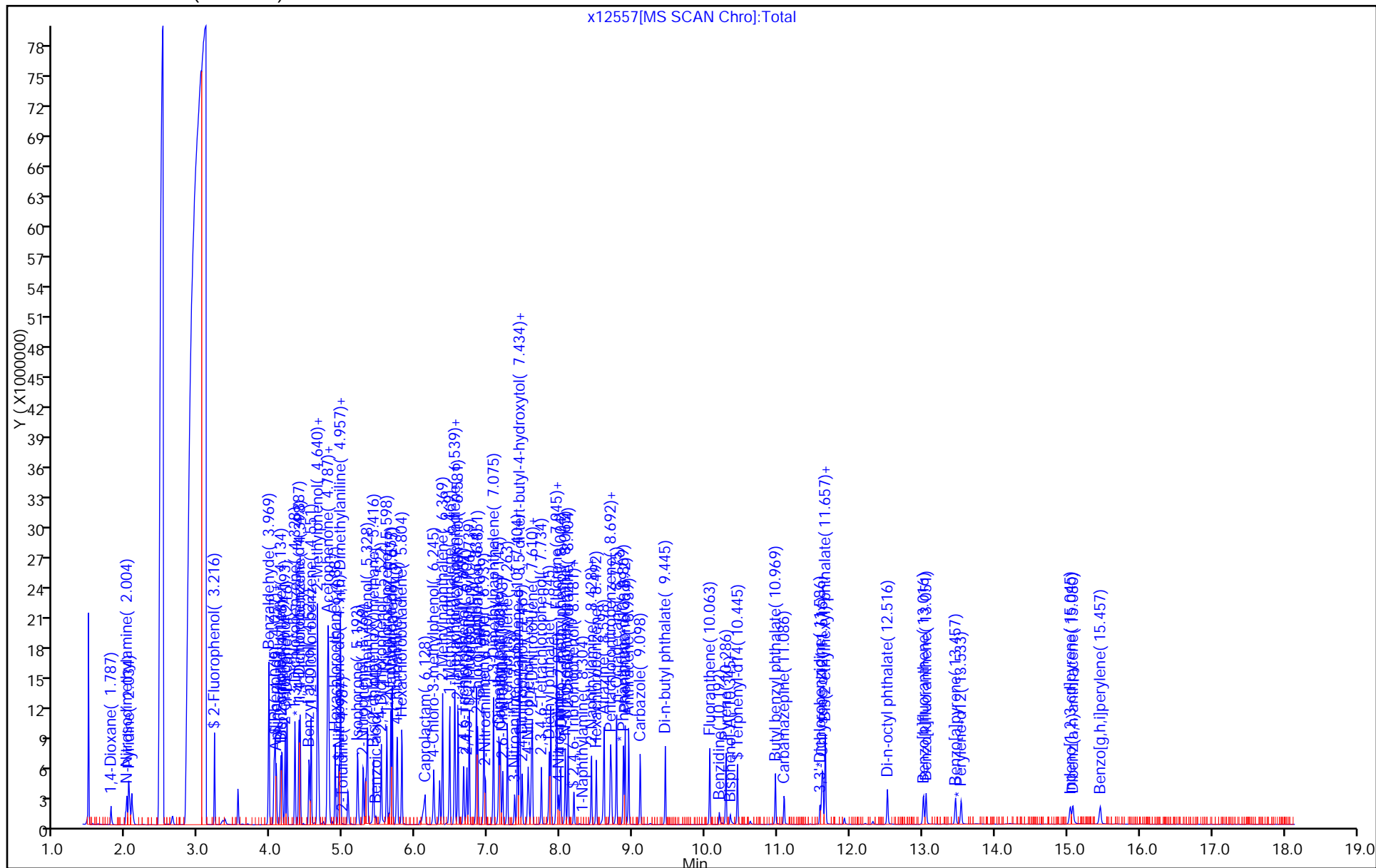
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160405-39444.b\12557.D

Injection Date: 05-Apr-2016 11:38:30

Instrument ID: CBNAMS5

Lims ID: 460-111539-A-3-B MSD

Client ID:

Operator ID:

ALS Bottle#:

9

Worklist Smp#:

9

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

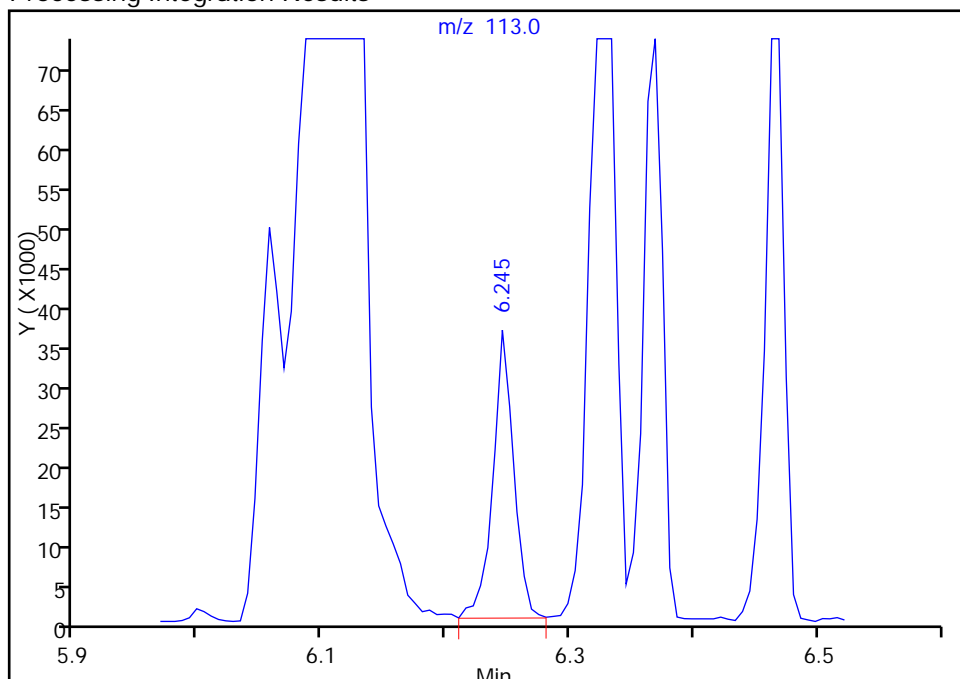
Detector

MS SCAN

42 Caprolactam, CAS: 105-60-2

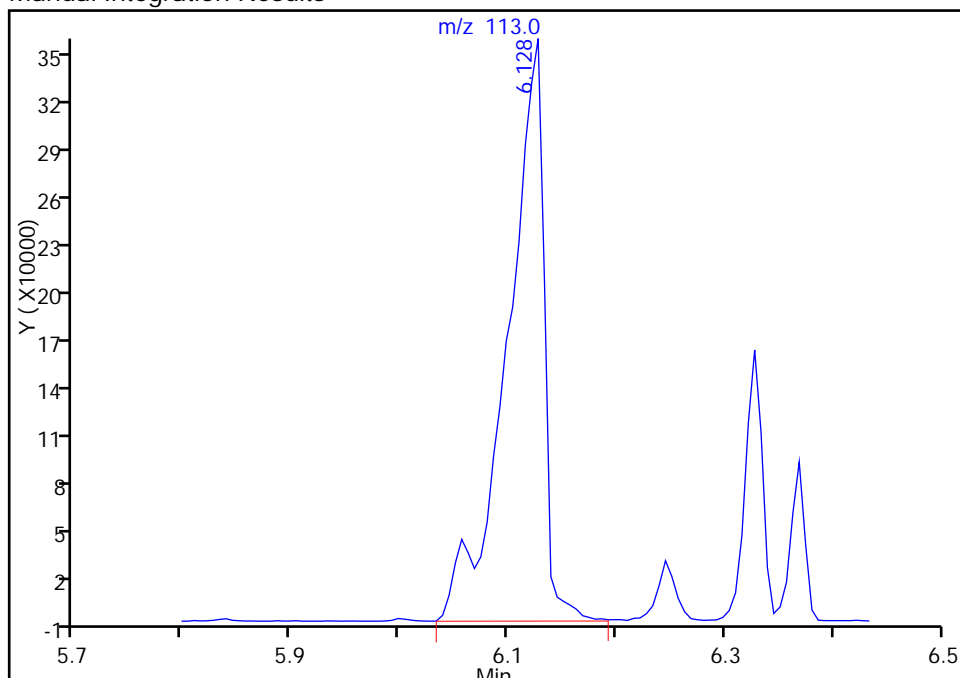
RT: 6.25
Area: 42763
Amount: 4.147149
Amount Units: ug/ml

Processing Integration Results



RT: 6.13
Area: 836264
Amount: 81.100748
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 05-Apr-2016 13:30:09

Audit Action: Manually Integrated

Audit Reason: Split Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-111539-1

SDG No.: _____

Instrument ID: CBNAMS5Start Date: 03/31/2016 04:03Analysis Batch Number: 359755End Date: 03/31/2016 15:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-359755/1		03/31/2016 04:03	1	x12330.D	Rtxi-5Sil MS 0.25 (mm)
ICIS 460-359755/2		03/31/2016 04:19	1	x12331.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-359755/3 IC		03/31/2016 04:44	1	x12332.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-359755/4 IC		03/31/2016 05:09	1	x12333.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-359755/5 IC		03/31/2016 05:34	1	x12334.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-359755/6 IC		03/31/2016 05:58	1	x12335.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-359755/7 IC		03/31/2016 06:23	1	x12336.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-359755/8 IC		03/31/2016 06:47	1	x12337.D	Rtxi-5Sil MS 0.25 (mm)
STD1 460-359755/9 IC		03/31/2016 07:11	1	x12338.D	Rtxi-5Sil MS 0.25 (mm)
STD05 460-359755/10 IC		03/31/2016 07:35	1	x12339.D	Rtxi-5Sil MS 0.25 (mm)
STD50 460-359755/11 IC		03/31/2016 08:00	1	x12340.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-359755/12 IC		03/31/2016 08:24	1	x12341.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-359755/13 IC		03/31/2016 08:48	1	x12342.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-359755/14 IC		03/31/2016 09:13	1	x12343.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-359755/15 IC		03/31/2016 09:37	1	x12344.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-359755/16 IC		03/31/2016 10:02	1	x12345.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-359755/17 IC		03/31/2016 10:26	1	x12346.D	Rtxi-5Sil MS 0.25 (mm)
ICV 460-359755/18		03/31/2016 10:50	1	x12347.D	Rtxi-5Sil MS 0.25 (mm)
ICV 460-359755/19		03/31/2016 11:15	1	x12348.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/31/2016 11:39	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/31/2016 12:03	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/31/2016 12:27	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/31/2016 13:16	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/31/2016 14:05	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/31/2016 14:29	500		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/31/2016 15:42	2		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-111539-1

SDG No.: _____

Instrument ID: CBNAMS5Start Date: 04/05/2016 07:31Analysis Batch Number: 360719End Date: 04/05/2016 19:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-360719/1		04/05/2016 07:31	1	x12549f.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-360719/2		04/05/2016 08:15	1	x12550a.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-360719/3		04/05/2016 08:45	1	x12551.D	Rtxi-5Sil MS 0.25 (mm)
MB 460-360667/1-A		04/05/2016 09:59	1	x12553.D	Rtxi-5Sil MS 0.25 (mm)
LCS 460-360667/2-A		04/05/2016 10:23	1	x12554.D	Rtxi-5Sil MS 0.25 (mm)
LCS 460-360667/3-A		04/05/2016 10:48	1	x12555.D	Rtxi-5Sil MS 0.25 (mm)
460-111539-3 MS		04/05/2016 11:13	1	x12556.D	Rtxi-5Sil MS 0.25 (mm)
460-111539-3 MSD		04/05/2016 11:38	1	x12557.D	Rtxi-5Sil MS 0.25 (mm)
460-111539-3		04/05/2016 12:03	1	x12558.D	Rtxi-5Sil MS 0.25 (mm)
460-111539-1		04/05/2016 12:28	1	x12559.D	Rtxi-5Sil MS 0.25 (mm)
460-111539-2		04/05/2016 12:53	1	x12560.D	Rtxi-5Sil MS 0.25 (mm)
460-111539-4		04/05/2016 13:47	2	x12562.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 14:24	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 15:14	2		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 16:29	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 16:54	2		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 17:19	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 18:08	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 18:33	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 18:58	5		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/05/2016 19:23	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Batch Number: 360667 Batch Start Date: 04/04/16 21:20 Batch Analyst: Silva, JoseBatch Method: 3546 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP_Benzald_sp 00002	OP_BNA SPIK 00020	OP_BNASurroga 00009	
MB 460-360667/1		3546, 8270D		15.0000 g	1 mL			500 uL	
LCS 460-360667/2		3546, 8270D		15.0000 g	1 mL		500 uL	500 uL	
LCS 460-360667/3		3546, 8270D		15.0000 g	1 mL	50 uL		500 uL	
460-111539-A-3 MS	C5	3546, 8270D	T	15.0102 g	1 mL	50 uL	500 uL	500 uL	
460-111539-A-3 MSD	C5	3546, 8270D	T	15.0098 g	1 mL	50 uL	500 uL	500 uL	
460-111539-A-1	E2	3546, 8270D	T	15.0113 g	1 mL			500 uL	
460-111539-A-2	E4	3546, 8270D	T	15.0107 g	1 mL			500 uL	
460-111539-A-3	C5	3546, 8270D	T	15.0104 g	1 mL			500 uL	
460-111539-A-4	B4	3546, 8270D	T	15.0110 g	1 mL			500 uL	

Batch Notes	
Balance ID	28
Batch Comment	BNA SOIL 8270D (uncorrected n evap temp 37 DegreesC)# 222299
Analyst ID - Concentration	JS
Final Concentrator Volume	1 mL
MeCl2 ID	128101
MeCl2 / Acetone ID	110970
Microwave Start Time	2000
Microwave Stop Time	2030
Na2SO4 ID	151191 (SILICA SAND LOT#132456)
Person's name who did the prep	Jose
SOP Number	3546
Analyst ID - Spike Analyst	Jose
Analyst ID - Spike Witness Analyst	ME

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270D

Page 1 of 1

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-111539-1
SDG No.: _____
Project: DEC Elmont546; Site: E130150

Client Sample ID	Lab Sample ID
<u>E2</u>	<u>460-111539-1</u>
<u>E4</u>	<u>460-111539-2</u>
<u>C5</u>	<u>460-111539-3</u>
<u>B4</u>	<u>460-111539-4</u>

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: E2	Lab Sample ID: 460-111539-1
Lab Name: TestAmerica Edison	Job No.: 460-111539-1
SDG ID.:	
Matrix: Solid	Date Sampled: 04/04/2016 12:40
Reporting Basis: DRY	Date Received: 04/04/2016 20:10
% Solids: 98.2	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	2240	38.1	19.6	mg/Kg			4	6010C
7440-36-0	Antimony	3.8	3.8	1.5	mg/Kg	U		4	6010C
7440-38-2	Arsenic	1.4	2.9	0.94	mg/Kg	J		4	6010C
7440-39-3	Barium	15.0	38.1	1.4	mg/Kg	J		4	6010C
7440-41-7	Beryllium	0.38	0.38	0.32	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.76	0.76	0.40	mg/Kg	U		4	6010C
7440-70-2	Calcium	287	952	56.4	mg/Kg	J		4	6010C
7440-47-3	Chromium	4.3	1.9	0.92	mg/Kg			4	6010C
7440-48-4	Cobalt	2.0	9.5	1.1	mg/Kg	J		4	6010C
7440-50-8	Copper	7.2	4.8	1.2	mg/Kg			4	6010C
7439-89-6	Iron	6930	28.6	21.5	mg/Kg			4	6010C
7439-92-1	Lead	25.7	1.9	0.75	mg/Kg			4	6010C
7439-95-4	Magnesium	445	952	47.5	mg/Kg	J		4	6010C
7439-96-5	Manganese	101	2.9	1.0	mg/Kg			4	6010C
7440-02-0	Nickel	8.4	7.6	1.4	mg/Kg			4	6010C
7440-09-7	Potassium	144	952	28.8	mg/Kg	J		4	6010C
7782-49-2	Selenium	3.8	3.8	1.3	mg/Kg	U		4	6010C
7440-22-4	Silver	1.9	1.9	0.34	mg/Kg	U		4	6010C
7440-23-5	Sodium	952	952	64.4	mg/Kg	U		4	6010C
7440-28-0	Thallium	3.8	3.8	1.7	mg/Kg	U		4	6010C
7440-62-2	Vanadium	6.9	9.5	0.95	mg/Kg	J		4	6010C
7440-66-6	Zinc	71.5	5.7	1.4	mg/Kg			4	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: E4	Lab Sample ID: 460-111539-2
Lab Name: TestAmerica Edison	Job No.: 460-111539-1
SDG ID.:	
Matrix: Solid	Date Sampled: 04/04/2016 13:00
Reporting Basis: DRY	Date Received: 04/04/2016 20:10
% Solids: 93.5	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	2660	39.6	20.4	mg/Kg			4	6010C
7440-36-0	Antimony	4.0	4.0	1.6	mg/Kg	U		4	6010C
7440-38-2	Arsenic	3.1	3.0	0.97	mg/Kg			4	6010C
7440-39-3	Barium	77.0	39.6	1.4	mg/Kg			4	6010C
7440-41-7	Beryllium	0.40	0.40	0.34	mg/Kg	U		4	6010C
7440-43-9	Cadmium	2.2	0.79	0.41	mg/Kg			4	6010C
7440-70-2	Calcium	2320	991	58.6	mg/Kg			4	6010C
7440-47-3	Chromium	18.0	2.0	0.96	mg/Kg			4	6010C
7440-48-4	Cobalt	3.1	9.9	1.1	mg/Kg	J		4	6010C
7440-50-8	Copper	37.5	5.0	1.3	mg/Kg			4	6010C
7439-89-6	Iron	11600	29.7	22.4	mg/Kg			4	6010C
7439-92-1	Lead	414	2.0	0.78	mg/Kg			4	6010C
7439-95-4	Magnesium	1630	991	49.4	mg/Kg			4	6010C
7439-96-5	Manganese	138	3.0	1.0	mg/Kg			4	6010C
7440-02-0	Nickel	19.9	7.9	1.4	mg/Kg			4	6010C
7440-09-7	Potassium	169	991	30.0	mg/Kg	J		4	6010C
7782-49-2	Selenium	4.0	4.0	1.4	mg/Kg	U		4	6010C
7440-22-4	Silver	2.0	2.0	0.35	mg/Kg	U		4	6010C
7440-23-5	Sodium	82.6	991	67.1	mg/Kg	J		4	6010C
7440-28-0	Thallium	4.0	4.0	1.8	mg/Kg	U		4	6010C
7440-62-2	Vanadium	11.2	9.9	0.99	mg/Kg			4	6010C
7440-66-6	Zinc	211	5.9	1.4	mg/Kg			4	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: C5	Lab Sample ID: 460-111539-3
Lab Name: TestAmerica Edison	Job No.: 460-111539-1
SDG ID.:	
Matrix: Solid	Date Sampled: 04/04/2016 13:10
Reporting Basis: DRY	Date Received: 04/04/2016 20:10
% Solids: 95.2	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3840	40.4	20.8	mg/Kg			4	6010C
7440-36-0	Antimony	4.0	4.0	1.6	mg/Kg	U		4	6010C
7440-38-2	Arsenic	2.0	3.0	0.99	mg/Kg	J		4	6010C
7440-39-3	Barium	36.8	40.4	1.4	mg/Kg	J		4	6010C
7440-41-7	Beryllium	0.40	0.40	0.34	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.81	0.81	0.42	mg/Kg	U		4	6010C
7440-70-2	Calcium	614	1010	59.8	mg/Kg	J		4	6010C
7440-47-3	Chromium	7.7	2.0	0.98	mg/Kg			4	6010C
7440-48-4	Cobalt	3.2	10.1	1.2	mg/Kg	J		4	6010C
7440-50-8	Copper	11.1	5.0	1.3	mg/Kg			4	6010C
7439-89-6	Iron	7610	30.3	22.8	mg/Kg			4	6010C
7439-92-1	Lead	31.9	2.0	0.79	mg/Kg			4	6010C
7439-95-4	Magnesium	648	1010	50.4	mg/Kg	J		4	6010C
7439-96-5	Manganese	150	3.0	1.1	mg/Kg			4	6010C
7440-02-0	Nickel	6.2	8.1	1.5	mg/Kg	J		4	6010C
7440-09-7	Potassium	180	1010	30.6	mg/Kg	J		4	6010C
7782-49-2	Selenium	4.0	4.0	1.4	mg/Kg	U		4	6010C
7440-22-4	Silver	2.0	2.0	0.36	mg/Kg	U		4	6010C
7440-23-5	Sodium	1010	1010	68.4	mg/Kg	U		4	6010C
7440-28-0	Thallium	4.0	4.0	1.8	mg/Kg	U		4	6010C
7440-62-2	Vanadium	8.5	10.1	1.0	mg/Kg	J		4	6010C
7440-66-6	Zinc	34.7	6.1	1.5	mg/Kg			4	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: B4	Lab Sample ID: 460-111539-4
Lab Name: TestAmerica Edison	Job No.: 460-111539-1
SDG ID.:	
Matrix: Solid	Date Sampled: 04/04/2016 13:15
Reporting Basis: DRY	Date Received: 04/04/2016 20:10
% Solids: 95.4	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4650	38.8	20.0	mg/Kg			4	6010C
7440-36-0	Antimony	3.9	3.9	1.5	mg/Kg	U		4	6010C
7440-38-2	Arsenic	3.4	2.9	0.95	mg/Kg			4	6010C
7440-39-3	Barium	109	38.8	1.4	mg/Kg			4	6010C
7440-41-7	Beryllium	0.39	0.39	0.33	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.78	0.78	0.40	mg/Kg	U		4	6010C
7440-70-2	Calcium	2940	970	57.4	mg/Kg			4	6010C
7440-47-3	Chromium	10.1	1.9	0.94	mg/Kg			4	6010C
7440-48-4	Cobalt	2.9	9.7	1.1	mg/Kg	J		4	6010C
7440-50-8	Copper	22.5	4.9	1.3	mg/Kg			4	6010C
7439-89-6	Iron	9250	29.1	21.9	mg/Kg			4	6010C
7439-92-1	Lead	312	1.9	0.76	mg/Kg			4	6010C
7439-95-4	Magnesium	2050	970	48.4	mg/Kg			4	6010C
7439-96-5	Manganese	195	2.9	1.0	mg/Kg			4	6010C
7440-02-0	Nickel	10.1	7.8	1.4	mg/Kg			4	6010C
7440-09-7	Potassium	234	970	29.4	mg/Kg	J		4	6010C
7782-49-2	Selenium	3.9	3.9	1.3	mg/Kg	U		4	6010C
7440-22-4	Silver	1.9	1.9	0.34	mg/Kg	U		4	6010C
7440-23-5	Sodium	970	970	65.7	mg/Kg	U		4	6010C
7440-28-0	Thallium	3.9	3.9	1.7	mg/Kg	U		4	6010C
7440-62-2	Vanadium	11.4	9.7	0.97	mg/Kg			4	6010C
7440-66-6	Zinc	82.7	5.8	1.4	mg/Kg			4	6010C

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

ICV Source: ME_CCv_DUO_00155 Concentration Units: ug/L

CCV Source: ME_CCv_DUO_00155

Analyte	ICV 460-360851/7 04/05/2016 10:17				CCV 460-360851/59 04/05/2016 13:47				CCV 460-360851/72 04/05/2016 14:45			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	123900		125000	99	117400		125000	94	120600		125000	96
Antimony	978.7		1000	98	953.3		1000	95	974.2		1000	97
Arsenic	2453		2500	98	2424		2500	97	2446		2500	98
Barium	10030		10000	100	9856		10000	99	10030		10000	100
Beryllium	1002		1000	100	965.0		1000	97	987.0		1000	99
Cadmium	1252		1250	100	1225		1250	98	1242		1250	99
Calcium	124500		125000	100	120700		125000	97	121300		125000	97
Chromium	5019		5000	100	4946		5000	99	4994		5000	100
Cobalt	2499		2500	100	2428		2500	97	2475		2500	99
Copper	12360		12500	99	12040		12500	96	12310		12500	98
Iron	100800		100000	101	95830		100000	96	97270		100000	97
Lead	7527		7500	100	7203		7500	96	7523		7500	100
Magnesium	123900		125000	99	121200		125000	97	121900		125000	98
Manganese	5031		5000	101	4843		5000	97	4879		5000	98
Nickel	2509		2500	100	2477		2500	99	2518		2500	101
Potassium	49220		50000	98	47400		50000	95	48460		50000	97
Selenium	2465		2500	99	2438		2500	98	2482		2500	99
Silver	1224		1250	98	1164		1250	93	1185		1250	95
Sodium	123700		125000	99	116300		125000	93	119500		125000	96
Thallium	2533		2500	101	2450		2500	98	2529		2500	101
Vanadium	2488		2500	100	2421		2500	97	2468		2500	99
Zinc	2514		2500	101	2428		2500	97	2464		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.: 460-111539-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00155 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00155

Analyte	CCV 460-360851/85 04/05/2016 15:37											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	114200		125000	91								
Antimony	953.5		1000	95								
Arsenic	2447		2500	98								
Barium	9947		10000	99								
Beryllium	953.1		1000	95								
Cadmium	1229		1250	98								
Calcium	118800		125000	95								
Chromium	4974		5000	99								
Cobalt	2426		2500	97								
Copper	12080		12500	97								
Iron	93510		100000	94								
Lead	7530		7500	100								
Magnesium	121100		125000	97								
Manganese	4741		5000	95								
Nickel	2507		2500	100								
Potassium	46830		50000	94								
Selenium	2489		2500	100								
Silver	1134		1250	91								
Sodium	112800		125000	90								
Thallium	2424		2500	97								
Vanadium	2415		2500	97								
Zinc	2398		2500	96								

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00009 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00009

Analyte	ICVL 460-360851/9 04/05/2016 10:25				CCVL 460-360851/61 04/05/2016 13:55				CCVL 460-360851/74 04/05/2016 14:53			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	234.7		200	117	215.5		200	108	217.7		200	109
Antimony	18.53	J	20.0	93	19.95	J	20.0	100	18.49	J	20.0	92
Arsenic	15.73		15.0	105	15.46		15.0	103	14.69	J	15.0	98
Barium	210.2		200	105	212.1		200	106	212.2		200	106
Beryllium	2.05		2.00	102	1.95	J	2.00	97	2.01		2.00	101
Cadmium	4.14		4.00	104	4.10		4.00	102	4.14		4.00	104
Calcium	5197		5000	104	4953	J	5000	99	4945	J	5000	99
Chromium	10.71		10.0	107	10.64		10.0	106	10.42		10.0	104
Cobalt	53.74		50.0	107	52.99		50.0	106	53.11		50.0	106
Copper	26.72		25.0	107	23.13	J	25.0	93	23.47	J	25.0	94
Iron	170.5		150	114	160.1		150	107	161.1		150	107
Lead	11.97		10.0	120	11.48		10.0	115	12.07		10.0	121
Magnesium	5106		5000	102	4987	J	5000	100	4982	J	5000	100
Manganese	16.51		15.0	110	15.64		15.0	104	15.82		15.0	105
Nickel	43.38		40.0	108	43.50		40.0	109	44.02		40.0	110
Potassium	4907	J	5000	98	4759	J	5000	95	4749	J	5000	95
Selenium	15.36	J	20.0	77	17.87	J	20.0	89	20.63		20.0	103
Silver	9.91	J	10.0	99	8.97	J	10.0	90	9.35	J	10.0	93
Sodium	5047		5000	101	4746	J	5000	95	4709	J	5000	94
Thallium	22.80		20.0	114	21.88		20.0	109	23.72		20.0	119
Vanadium	50.62		50.0	101	50.50		50.0	101	50.29		50.0	101
Zinc	32.31		30.0	108	31.45		30.0	105	31.46		30.0	105

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00009 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00009

Analyte	CCVL 460-360851/87 04/05/2016 15:45											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	222.1		200	111								
Antimony	18.97	J	20.0	95								
Arsenic	14.61	J	15.0	97								
Barium	213.8		200	107								
Beryllium	2.08		2.00	104								
Cadmium	4.01		4.00	100								
Calcium	4915	J	5000	98								
Chromium	10.55		10.0	106								
Cobalt	53.04		50.0	106								
Copper	22.27	J	25.0	89								
Iron	159.5		150	106								
Lead	11.58		10.0	116								
Magnesium	4947	J	5000	99								
Manganese	15.60		15.0	104								
Nickel	44.08		40.0	110								
Potassium	4779	J	5000	96								
Selenium	17.24	J	20.0	86								
Silver	9.35	J	10.0	94								
Sodium	4617	J	5000	92								
Thallium	24.00		20.0	120								
Vanadium	50.38		50.0	101								
Zinc	31.14		30.0	104								

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.: 460-111539-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00152 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00152

Analyte	ICV 460-361731/7 04/09/2016 17:24				CCV 460-361731/72 04/09/2016 21:31				CCV 460-361731/85 04/09/2016 22:20			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	121500		125000	97	125000		125000	100	126000		125000	101
Antimony	972.7		1000	97	934.7		1000	93	927.3		1000	93
Arsenic	2442		2500	98	2353		2500	94	2333		2500	93
Barium	9907		10000	99	9916		10000	99	9888		10000	99
Beryllium	985.7		1000	99	985.3		1000	99	983.4		1000	98
Cadmium	1220		1250	98	1218		1250	97	1211		1250	97
Calcium	121500		125000	97	118000		125000	94	115400		125000	92
Chromium	4936		5000	99	4695		5000	94	4569		5000	91
Cobalt	2431		2500	97	2409		2500	96	2392		2500	96
Copper	12080		12500	97	11590		12500	93	11340		12500	91
Iron	98110		100000	98	95130		100000	95	93230		100000	93
Lead	7324		7500	98	7249		7500	97	7175		7500	96
Magnesium	122000		125000	98	117800		125000	94	115000		125000	92
Manganese	5017		5000	100	4852		5000	97	4753		5000	95
Nickel	2465		2500	99	2450		2500	98	2438		2500	98
Potassium	48240		50000	96	50720		50000	101	51600		50000	103
Selenium	2395		2500	96	2346		2500	94	2348		2500	94
Silver	1209		1250	97	1168		1250	93	1146		1250	92
Sodium	122200		125000	98	127000		125000	102	127500		125000	102
Thallium	2432		2500	97	2450		2500	98	2440		2500	98
Vanadium	2451		2500	98	2369		2500	95	2326		2500	93
Zinc	2460		2500	98	2478		2500	99	2462		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.: 460-111539-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00152 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00152

Analyte	CCV 460-361731/98 04/09/2016 23:08											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	126400		125000	101								
Antimony	926.1		1000	93								
Arsenic	2330		2500	93								
Barium	9939		10000	99								
Beryllium	982.7		1000	98								
Cadmium	1215		1250	97								
Calcium	114700		125000	92								
Chromium	4524		5000	90								
Cobalt	2400		2500	96								
Copper	11330		12500	91								
Iron	92770		100000	93								
Lead	7194		7500	96								
Magnesium	114300		125000	91								
Manganese	4732		5000	95								
Nickel	2443		2500	98								
Potassium	51860		50000	104								
Selenium	2351		2500	94								
Silver	1140		1250	91								
Sodium	128100		125000	102								
Thallium	2462		2500	98								
Vanadium	2312		2500	92								
Zinc	2465		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.: 460-111539-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00010

Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00010

Analyte	ICVL 460-361731/9 04/09/2016 17:32				CCVL 460-361731/74 04/09/2016 21:39				CCVL 460-361731/87 04/09/2016 22:27			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	195.6	J	200	98	198.9	J	200	99	195.5	J	200	98
Antimony	17.51	J	20.0	88	17.04	J	20.0	85	16.71	J	20.0	84
Arsenic	14.58	J	15.0	97	12.76	J	15.0	85	14.33	J	15.0	96
Barium	206.9		200	103	205.9		200	103	206.3		200	103
Beryllium	2.13		2.00	107	1.91	J	2.00	96	2.12		2.00	106
Cadmium	4.13		4.00	103	4.16		4.00	104	4.11		4.00	103
Calcium	5035		5000	101	4861	J	5000	97	4848	J	5000	97
Chromium	10.14		10.0	101	9.35	J	10.0	93	9.41	J	10.0	94
Cobalt	51.82		50.0	104	50.94		50.0	102	50.58		50.0	101
Copper	25.25		25.0	101	24.07	J	25.0	96	23.65	J	25.0	95
Iron	153.3		150	102	163.7		150	109	152.5		150	102
Lead	11.86		10.0	119	10.0		10.0	100	10.86		10.0	109
Magnesium	4902	J	5000	98	4732	J	5000	95	4663	J	5000	93
Manganese	16.17		15.0	108	15.65		15.0	104	15.41		15.0	103
Nickel	41.95		40.0	105	41.07		40.0	103	41.26		40.0	103
Potassium	4869	J	5000	97	5048		5000	101	5075		5000	102
Selenium	22.08		20.0	110	22.10		20.0	111	19.49	J	20.0	97
Silver	9.56	J	10.0	96	9.32	J	10.0	93	9.33	J	10.0	93
Sodium	5057		5000	101	5139		5000	103	5143		5000	103
Thallium	23.35		20.0	117	24.27		20.0	121	23.05		20.0	115
Vanadium	50.81		50.0	102	49.24	J	50.0	98	48.48	J	50.0	97
Zinc	31.21		30.0	104	31.14		30.0	104	31.32		30.0	104

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.: 460-111539-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00010 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00010

Analyte	CCVL 460-361731/100 04/09/2016 23:16											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	207.4		200	104								
Antimony	15.08	J	20.0	75								
Arsenic	13.52	J	15.0	90								
Barium	205.6		200	103								
Beryllium	1.99	J	2.00	100								
Cadmium	4.07		4.00	102								
Calcium	4754	J	5000	95								
Chromium	9.64	J	10.0	96								
Cobalt	50.44		50.0	101								
Copper	23.76	J	25.0	95								
Iron	148.5	J	150	99								
Lead	11.04		10.0	110								
Magnesium	4585	J	5000	92								
Manganese	15.14		15.0	101								
Nickel	41.49		40.0	104								
Potassium	5176		5000	104								
Selenium	18.75	J	20.0	94								
Silver	9.09	J	10.0	91								
Sodium	5169		5000	103								
Thallium	24.38		20.0	122								
Vanadium	47.68	J	50.0	95								
Zinc	31.23		30.0	104								

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.: 460-111539-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00152 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00152

Analyte	ICV 460-361771/7 04/10/2016 14:23				CCV 460-361771/20 04/10/2016 15:13							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	121100		125000	97	121400		125000	97				
Antimony	962.8		1000	96	973.5		1000	97				
Arsenic	2428		2500	97	2441		2500	98				
Barium	9892		10000	99	9918		10000	99				
Beryllium	979.5		1000	98	986.5		1000	99				
Cadmium	1226		1250	98	1226		1250	98				
Calcium	121700		125000	97	122900		125000	98				
Chromium	4910		5000	98	4971		5000	99				
Cobalt	2441		2500	98	2448		2500	98				
Copper	12120		12500	97	12240		12500	98				
Iron	98000		100000	98	98830		100000	99				
Lead	7355		7500	98	7374		7500	98				
Magnesium	121500		125000	97	123300		125000	99				
Manganese	4987		5000	100	5040		5000	101				
Nickel	2466		2500	99	2474		2500	99				
Potassium	48170		50000	96	48230		50000	96				
Selenium	2406		2500	96	2404		2500	96				
Silver	1203		1250	96	1213		1250	97				
Sodium	121400		125000	97	123100		125000	98				
Thallium	2459		2500	98	2456		2500	98				
Vanadium	2438		2500	98	2459		2500	98				
Zinc	2471		2500	99	2469		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.: 460-111539-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00010 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00010

Analyte	ICVL 460-361771/9 04/10/2016 14:31				CCVL 460-361771/22 04/10/2016 15:20							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	203.9		200	102	198.7	J	200	99				
Antimony	18.91	J	20.0	95	19.51	J	20.0	98				
Arsenic	13.73	J	15.0	92	14.80	J	15.0	99				
Barium	205.6		200	103	206.5		200	103				
Beryllium	1.97	J	2.00	99	2.01		2.00	100				
Cadmium	4.01		4.00	100	4.01		4.00	100				
Calcium	5040		5000	101	5068		5000	101				
Chromium	9.82	J	10.0	98	9.95	J	10.0	99				
Cobalt	51.40		50.0	103	51.48		50.0	103				
Copper	22.39	J	25.0	90	23.45	J	25.0	94				
Iron	148.9	J	150	99	151.7		150	101				
Lead	12.07		10.0	121	11.28		10.0	113				
Magnesium	4902	J	5000	98	4939	J	5000	99				
Manganese	15.43		15.0	103	15.60		15.0	104				
Nickel	41.57		40.0	104	41.53		40.0	104				
Potassium	4743	J	5000	95	4688	J	5000	94				
Selenium	15.77	J	20.0	79	16.19	J	20.0	81				
Silver	9.81	J	10.0	98	9.68	J	10.0	97				
Sodium	4919	J	5000	98	4917	J	5000	98				
Thallium	20.30		20.0	102	19.63	J	20.0	98				
Vanadium	49.81	J	50.0	100	50.43		50.0	101				
Zinc	30.79		30.0	103	30.93		30.0	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.: 460-111539-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-360851/8 04/05/2016 10:21		CCB 460-360851/60 04/05/2016 13:50		CCB 460-360851/73 04/05/2016 14:49		CCB 460-360851/86 04/05/2016 15:41	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U	200	U
Antimony	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Arsenic	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Barium	200	200	U	200	U	200	U	200	U
Beryllium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Cadmium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Calcium	5000	5000	U	5000	U	5000	U	5000	U
Chromium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Cobalt	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Copper	25.0	25.0	U	25.0	U	25.0	U	25.0	U
Iron	150	150	U	150	U	150	U	150	U
Lead	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Magnesium	5000	5000	U	5000	U	5000	U	5000	U
Manganese	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Nickel	40.0	40.0	U	40.0	U	40.0	U	40.0	U
Potassium	5000	5000	U	5000	U	5000	U	5000	U
Selenium	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Silver	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Sodium	5000	5000	U	5000	U	5000	U	5000	U
Thallium	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Vanadium	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Zinc	30.0	30.0	U	30.0	U	30.0	U	30.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-361731/8 04/09/2016 17:28		CCB 460-361731/73 04/09/2016 21:35		CCB 460-361731/86 04/09/2016 22:23		CCB 460-361731/99 04/09/2016 23:12	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U	200	U
Antimony	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Arsenic	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Barium	200	200	U	200	U	200	U	200	U
Beryllium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Cadmium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Calcium	5000	5000	U	5000	U	5000	U	5000	U
Chromium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Cobalt	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Copper	25.0	25.0	U	25.0	U	25.0	U	25.0	U
Iron	150	150	U	150	U	150	U	150	U
Lead	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Magnesium	5000	5000	U	5000	U	5000	U	5000	U
Manganese	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Nickel	40.0	40.0	U	40.0	U	40.0	U	40.0	U
Potassium	5000	5000	U	5000	U	5000	U	5000	U
Selenium	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Silver	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Sodium	5000	5000	U	5000	U	5000	U	5000	U
Thallium	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Vanadium	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Zinc	30.0	30.0	U	30.0	U	30.0	U	30.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-361771/8 04/10/2016 14:27		CCB 460-361771/21 04/10/2016 15:16					
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U				
Antimony	20.0	20.0	U	20.0	U				
Arsenic	15.0	15.0	U	15.0	U				
Barium	200	200	U	200	U				
Beryllium	2.0	2.0	U	2.0	U				
Cadmium	4.0	4.0	U	4.0	U				
Calcium	5000	5000	U	5000	U				
Chromium	10.0	10.0	U	10.0	U				
Cobalt	50.0	50.0	U	50.0	U				
Copper	25.0	25.0	U	25.0	U				
Iron	150	150	U	150	U				
Lead	10.0	10.0	U	10.0	U				
Magnesium	5000	5000	U	5000	U				
Manganese	15.0	15.0	U	15.0	U				
Nickel	40.0	40.0	U	40.0	U				
Potassium	5000	5000	U	5000	U				
Selenium	20.0	20.0	U	20.0	U				
Silver	10.0	10.0	U	10.0	U				
Sodium	5000	5000	U	5000	U				
Thallium	20.0	20.0	U	20.0	U				
Vanadium	50.0	50.0	U	50.0	U				
Zinc	30.0	30.0	U	30.0	U				

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-360758/1-A ^2
 Instrument Code: ICP4 Batch No.: 360851

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	20.0	U		6010C
7440-36-0	Antimony	2.0	U		6010C
7440-38-2	Arsenic	1.5	U		6010C
7440-39-3	Barium	20.0	U		6010C
7440-41-7	Beryllium	0.20	U		6010C
7440-43-9	Cadmium	0.40	U		6010C
7440-70-2	Calcium	500	U		6010C
7440-47-3	Chromium	1.0	U		6010C
7440-48-4	Cobalt	5.0	U		6010C
7440-50-8	Copper	2.5	U		6010C
7439-89-6	Iron	15.0	U		6010C
7439-92-1	Lead	1.0	U		6010C
7439-95-4	Magnesium	500	U		6010C
7439-96-5	Manganese	1.5	U		6010C
7440-02-0	Nickel	4.0	U		6010C
7440-09-7	Potassium	500	U		6010C
7782-49-2	Selenium	2.0	U		6010C
7440-22-4	Silver	1.0	U		6010C
7440-23-5	Sodium	500	U		6010C
7440-28-0	Thallium	2.0	U		6010C
7440-62-2	Vanadium	5.0	U		6010C
7440-66-6	Zinc	3.0	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-361487/1-A ^2
 Instrument Code: ICP5 Batch No.: 361731

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	20.0	U		6010C
7440-36-0	Antimony	2.0	U		6010C
7440-38-2	Arsenic	1.5	U		6010C
7440-39-3	Barium	20.0	U		6010C
7440-41-7	Beryllium	0.20	U		6010C
7440-43-9	Cadmium	0.40	U		6010C
7440-70-2	Calcium	500	U		6010C
7440-47-3	Chromium	1.0	U		6010C
7440-48-4	Cobalt	5.0	U		6010C
7440-50-8	Copper	2.5	U		6010C
7439-89-6	Iron	15.0	U		6010C
7439-92-1	Lead	1.0	U		6010C
7439-95-4	Magnesium	500	U		6010C
7439-96-5	Manganese	1.5	U		6010C
7440-02-0	Nickel	4.0	U		6010C
7440-09-7	Potassium	500	U		6010C
7782-49-2	Selenium	2.0	U		6010C
7440-22-4	Silver	1.0	U		6010C
7440-23-5	Sodium	500	U		6010C
7440-28-0	Thallium	2.0	U		6010C
7440-62-2	Vanadium	5.0	U		6010C
7440-66-6	Zinc	3.0	U		6010C

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-360851/10 Instrument ID: ICP4
 Lab File ID: 360453.asc ICS Source: ME_ICSA_Duo_00071
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	495800	99
Antimony		5.11	
Arsenic		-0.680	
Barium		-0.141	
Beryllium		0.0244	
Cadmium		0.335	
Calcium	500000	498500	100
Chromium		-1.12	
Cobalt		-3.39	
Copper		-1.16	
Iron	200000	194800	97
Lead		0.829	
Magnesium	500000	497100	99
Manganese		-4.16	
Nickel		-4.29	
Potassium		-76.0	
Selenium		-1.24	
Silver		-0.853	
Sodium		-40.2	
Thallium		3.40	
Vanadium		0.357	
Zinc		-2.35	
<i>Boron</i>		<i>-10.4</i>	
<i>Molybdenum</i>		<i>-1.31</i>	
<i>Strontium</i>		<i>-1.57</i>	
<i>Tin</i>		<i>4.54</i>	
<i>Titanium</i>		<i>-0.802</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.: 460-111539-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-360851/11 Instrument ID: ICP4
 Lab File ID: 360453.asc ICS Source: ME_ICSAB_DUO_00085
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500000	525000	105
Antimony	100	103	103
Arsenic	100	95.7	96
Barium	100	103	103
Beryllium	100	101	101
Cadmium	100	98.3	98
Calcium	500000	536800	107
Chromium	100	102	102
Cobalt	100	94.9	95
Copper	100	105	105
Iron	200000	208600	104
Lead	100	96.9	97
Magnesium	500000	533400	107
Manganese	100	102	102
Nickel	100	91.9	92
Potassium	10000	10390	104
Selenium	100	108	108
Silver	100	110	110
Sodium	10000	10630	106
Thallium	100	102	102
Vanadium	100	104	104
Zinc	100	96.8	97
<i>Boron</i>	<i>100</i>	<i>90.4</i>	<i>90</i>
<i>Molybdenum</i>	<i>100</i>	<i>97.1</i>	<i>97</i>
<i>Strontium</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Tin</i>	<i>100</i>	<i>104</i>	<i>104</i>
<i>Titanium</i>	<i>100</i>	<i>105</i>	<i>105</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.: 460-111539-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-361731/10 Instrument ID: ICP5
 Lab File ID: 04092016.asc ICS Source: ME_ICSA_Duo_00071
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	501500	100
Antimony		-1.72	
Arsenic		-1.25	
Barium		-1.20	
Beryllium		-0.0366	
Cadmium		0.294	
Calcium	500000	486000	97
Chromium		0.0178	
Cobalt		-0.234	
Copper		0.234	
Iron	200000	192300	96
Lead		-0.461	
Magnesium	500000	498000	100
Manganese		-4.08	
Nickel		-1.85	
Potassium		119	
Selenium		1.91	
Silver		-0.985	
Sodium		74.4	
Thallium		0.406	
Vanadium		-0.601	
Zinc		-1.66	
<i>Boron</i>		<i>-3.75</i>	
<i>Molybdenum</i>		<i>1.13</i>	
<i>Strontium</i>		<i>-0.959</i>	
<i>Tin</i>		<i>-1.96</i>	
<i>Titanium</i>		<i>-5.48</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.: 460-111539-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-361731/11 Instrument ID: ICP5
 Lab File ID: 04092016.asc ICS Source: ME_ICSAB_DUO_00085
 Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Aluminum	500000	508100	102
Antimony	100	98.6	99
Arsenic	100	92.7	93
Barium	100	102	102
Beryllium	100	99.2	99
Cadmium	100	96.5	97
Calcium	500000	495300	99
Chromium	100	98.1	98
Cobalt	100	96.9	97
Copper	100	105	105
Iron	200000	194900	97
Lead	100	97.7	98
Magnesium	500000	507500	101
Manganese	100	97.8	98
Nickel	100	94.8	95
Potassium	10000	10490	105
Selenium	100	96.6	97
Silver	100	102	102
Sodium	10000	10680	107
Thallium	100	95.3	95
Vanadium	100	99.0	99
Zinc	100	94.6	95
<i>Boron</i>	<i>100</i>	<i>97.1</i>	<i>97</i>
<i>Molybdenum</i>	<i>100</i>	<i>95.4</i>	<i>95</i>
<i>Strontium</i>	<i>100</i>	<i>99.9</i>	<i>100</i>
<i>Tin</i>	<i>100</i>	<i>94.9</i>	<i>95</i>
<i>Titanium</i>	<i>100</i>	<i>97.7</i>	<i>98</i>

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-361771/10 Instrument ID: ICP5
 Lab File ID: 04102016.asc ICS Source: ME_ICSA_Duo_00071
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	491200	98
Antimony		-2.52	
Arsenic		-3.62	
Barium		-2.70	
Beryllium		-0.123	
Cadmium		0.115	
Calcium	500000	483700	97
Chromium		-1.08	
Cobalt		-0.342	
Copper		-4.42	
Iron	200000	191500	96
Lead		0.0787	
Magnesium	500000	495100	99
Manganese		-3.03	
Nickel		-3.08	
Potassium		134	
Selenium		2.28	
Silver		-0.0629	
Sodium		13.8	
Thallium		-2.96	
Vanadium		-2.75	
Zinc		-1.85	
<i>Boron</i>		<i>-7.27</i>	
<i>Molybdenum</i>		<i>-0.860</i>	
<i>Strontium</i>		<i>-1.35</i>	
<i>Tin</i>		<i>-3.04</i>	
<i>Titanium</i>		<i>-5.83</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.: 460-111539-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-361771/11 Instrument ID: ICP5
 Lab File ID: 04102016.asc ICS Source: ME_ICSAB_DUO_00085
 Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Aluminum	500000	498700	100
Antimony	100	96.6	97
Arsenic	100	92.5	92
Barium	100	98.2	98
Beryllium	100	97.6	98
Cadmium	100	95.3	95
Calcium	500000	491300	98
Chromium	100	97.3	97
Cobalt	100	96.0	96
Copper	100	99.5	99
Iron	200000	194500	97
Lead	100	96.5	96
Magnesium	500000	504000	101
Manganese	100	98.2	98
Nickel	100	92.4	92
Potassium	10000	10240	102
Selenium	100	92.4	92
Silver	100	102	102
Sodium	10000	10380	104
Thallium	100	93.4	93
Vanadium	100	95.2	95
Zinc	100	92.9	93
<i>Boron</i>	<i>100</i>	<i>93.2</i>	<i>93</i>
<i>Molybdenum</i>	<i>100</i>	<i>91.9</i>	<i>92</i>
<i>Strontium</i>	<i>100</i>	<i>97.9</i>	<i>98</i>
<i>Tin</i>	<i>100</i>	<i>91.7</i>	<i>92</i>
<i>Titanium</i>	<i>100</i>	<i>95.8</i>	<i>96</i>

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-111461-K-1-C MS
 Lab Name: TestAmerica Edison Job No.: 460-111539-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 84.9

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	7336	5290	226	903	75-125	4	6010C
Antimony	34.37	44.0 U	56.6	61	75-125	N	6010C
Arsenic	210.8	33.0 U	226	93	75-125		6010C
Barium	879.2	1030	226	-67	75-125	4	6010C
Beryllium	5.64	4.4 U	5.66	100	75-125		6010C
Cadmium	7.04	8.8 U	5.66	124	75-125		6010C
Chromium	40.01	14.7 J	22.6	112	75-125		6010C
Cobalt	57.31	110 U	56.6	101	75-125		6010C
Copper	45.58	19.7 J	28.3	91	75-125		6010C
Iron	11430	11100	113	279	75-125	4	6010C
Magnesium	20080	23100	2260	-134	75-125	4	6010C
Manganese	210.5	165	56.6	80	75-125		6010C
Nickel	62.79	88.0 U	56.6	111	75-125		6010C
Potassium	2688	635 J	2260	91	75-125		6010C
Selenium	212.6	44.0 U	226	94	75-125		6010C
Silver	5.15	22.0 U	5.66	91	75-125		6010C
Sodium	2178	11000 U	2260	96	75-125		6010C
Thallium	213.3	44.0 U	226	94	75-125		6010C
Vanadium	72.64	16.6 J	56.6	99	75-125		6010C
Zinc	472.3	576	56.6	-182	75-125	4	6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____

Lab ID: 460-110314-A-10-E MS ^4

Lab Name: TestAmerica Edison

Job No.: 460-111539-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 91.7

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	17760	15400	216	1090	75-125	4	6010C
Antimony	34.90	4.1 U	54.0	65	75-125	N	6010C
Arsenic	187.8	2.6 J	216	86	75-125		6010C
Barium	407.5	187	216	102	75-125		6010C
Beryllium	6.77	1.5	5.40	98	75-125		6010C
Cadmium	5.30	0.82 U	5.40	98	75-125		6010C
Calcium	4274	2490	2160	83	75-125		6010C
Chromium	55.13	31.0	21.6	112	75-125		6010C
Cobalt	69.69	18.7	54.0	94	75-125		6010C
Copper	30.23	6.2	27.0	89	75-125		6010C
Iron	39280	32700	108	6080	75-125	4	6010C
Lead	72.84	20.1	54.0	98	75-125		6010C
Magnesium	13700	11300	2160	112	75-125	4	6010C
Manganese	912.2	815	54.0	179	75-125	4	6010C
Nickel	100.7	48.4	54.0	97	75-125		6010C
Potassium	6887	4180	2160	125	75-125		6010C
Selenium	181.1	4.1 U	216	84	75-125		6010C
Silver	4.53	2.1 U	5.40	84	75-125		6010C
Sodium	2367	292 J	2160	96	75-125		6010C
Thallium	208.0	2.0 J	216	95	75-125		6010C
Vanadium	86.51	34.1	54.0	97	75-125		6010C
Zinc	158.7	105	54.0	100	75-125		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-111461-K-1-A PDS
 Lab Name: TestAmerica Edison Job No.: 460-111539-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	5476	5290	440	NC	80-120		6010C
Antimony	101.0	44.0 U	110	92	80-120		6010C
Arsenic	413.3	33.0 U	440	94	80-120		6010C
Barium	1385	1030	440	80	80-120		6010C
Beryllium	10.83	4.4 U	11.0	98	80-120		6010C
Cadmium	12.27	8.8 U	11.0	111	80-120		6010C
Chromium	56.12	14.7 J	44.0	94	80-120		6010C
Cobalt	108.1	110 U	110	98	80-120		6010C
Copper	70.40	19.7 J	55.0	92	80-120		6010C
Iron	10060	11100	220	NC	80-120		6010C
Magnesium	25680	23100	4400	58	80-120		6010C
Manganese	245.2	165	110	73	80-120		6010C
Nickel	113.4	88.0 U	110	103	80-120		6010C
Potassium	4402	635 J	4400	86	80-120		6010C
Selenium	426.7	44.0 U	440	97	80-120		6010C
Silver	9.87	22.0 U	11.0	90	80-120		6010C
Sodium	4173	11000 U	4400	95	80-120		6010C
Thallium	428.9	44.0 U	440	97	80-120		6010C
Vanadium	121.5	16.6 J	110	95	80-120		6010C
Zinc	610.7	576	110	32	80-120		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____

Lab ID: 460-110314-A-10-C PDS ^4

Lab Name: TestAmerica Edison

Job No.: 460-111539-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	15620	15400	412	NC	80-120		6010C
Antimony	89.04	4.1 U	103	87	80-120		6010C
Arsenic	356.6	2.6 J	412	86	80-120		6010C
Barium	574.9	187	412	94	80-120		6010C
Beryllium	11.47	1.5	10.3	97	80-120		6010C
Cadmium	9.75	0.82 U	10.3	95	80-120		6010C
Calcium	6149	2490	4120	89	80-120		6010C
Chromium	68.07	31.0	41.2	90	80-120		6010C
Cobalt	113.3	18.7	103	92	80-120		6010C
Copper	51.53	6.2	51.4	88	80-120		6010C
Iron	33070	32700	206	NC	80-120		6010C
Lead	114.6	20.1	103	92	80-120		6010C
Magnesium	14980	11300	4120	90	80-120		6010C
Manganese	912.2	815	103	94	80-120		6010C
Nickel	144.2	48.4	103	93	80-120		6010C
Potassium	7840	4180	4120	89	80-120		6010C
Selenium	364.0	4.1 U	412	88	80-120		6010C
Silver	9.67	2.1 U	10.3	94	80-120		6010C
Sodium	4257	292 J	4120	96	80-120		6010C
Thallium	397.1	2.0 J	412	96	80-120		6010C
Vanadium	125.0	34.1	103	88	80-120		6010C
Zinc	201.8	105	103	94	80-120		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-111461-K-1-B DU
 Lab Name: TestAmerica Edison Job No.: 460-111539-1
 SDG No.: _____
 % Solids for Sample: 84.9 % Solids for Duplicate: 84.9
 Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Aluminum	46.2	5070	5298	4		6010C
Antimony	4.6	4.4 U	4.6 U	NC		6010C
Arsenic	3.5	4.6	4.43	4		6010C
Barium	46.2	970	1026	6		6010C
Beryllium	0.46	0.44 U	0.46 U	NC		6010C
Cadmium	0.92	1.9	2.06	6		6010C
Chromium	2.3	13.5	14.41	6		6010C
Cobalt	11.5	4.3 J	4.55 J	5		6010C
Copper	5.8	18.2	19.06	5		6010C
Iron	34.6	10300	10770	4		6010C
Magnesium	1150	22600	23710	5		6010C
Manganese	3.5	154	160.6	4		6010C
Nickel	9.2	6.4 J	6.69 J	5		6010C
Potassium	1150	592 J	629.8 J	6		6010C
Selenium	4.6	4.4 U	4.6 U	NC		6010C
Silver	2.3	2.2 U	2.3 U	NC		6010C
Sodium	1150	196 J	203.9 J	4		6010C
Thallium	4.6	4.4 U	4.6 U	NC		6010C
Vanadium	11.5	15.7	16.66	6		6010C
Zinc	6.9	526	548.8	4		6010C

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

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-110314-A-10-D DU ^4
 Lab Name: TestAmerica Edison Job No.: 460-111539-1
 SDG No.: _____
 % Solids for Sample: 91.7 % Solids for Duplicate: 91.7
 Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Aluminum	41.5	15400	15990	4		6010C
Antimony	4.2	4.1 U	4.2 U	NC		6010C
Arsenic	3.1	2.6 J	3.09 J	16		6010C
Barium	41.5	187	196.9	5		6010C
Beryllium	0.42	1.5	1.53	3		6010C
Cadmium	0.83	0.82 U	0.83 U	NC		6010C
Calcium	1040	2490	2406	3		6010C
Chromium	2.1	31.0	34.42	11		6010C
Cobalt	10.4	18.7	19.78	5		6010C
Copper	5.2	6.2	6.65	7		6010C
Iron	31.2	32700	39200	18		6010C
Lead	2.1	20.1	22.95	13		6010C
Magnesium	1040	11300	11620	3		6010C
Manganese	3.1	815	840.5	3		6010C
Nickel	8.3	48.4	49.77	3		6010C
Potassium	1040	4180	4271	2		6010C
Selenium	4.2	4.1 U	4.2 U	NC		6010C
Silver	2.1	2.1 U	2.1 U	NC		6010C
Sodium	1040	292 J	289.6 J	1		6010C
Thallium	4.2	2.0 J	2.54 J	22		6010C
Vanadium	10.4	34.1	39.07	14		6010C
Zinc	6.2	105	108.6	4		6010C

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

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-360758/2-A ^4

Lab Name: TestAmerica Edison

Job No.: 460-111539-1

Sample Matrix: Solid

LCS Source: ME_LCSS_91_00001

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	8080	6935		85.8	51.1	148.5		6010C
Antimony	123	73.71		59.9	1.0	200.0		6010C
Arsenic	145	135.1		93.2	79.3	121.4		6010C
Barium	209	207.3		99.2	83.3	117.2		6010C
Beryllium	97.3	92.76		95.3	82.6	117.2		6010C
Cadmium	87.6	85.02		97.1	82.6	117.6		6010C
Calcium	5690	5337		93.8	81.0	118.8		6010C
Chromium	143	141.4		98.8	79.7	119.6		6010C
Cobalt	154	152.5		99.0	83.8	115.6		6010C
Copper	173	159.3		92.1	81.5	117.9		6010C
Iron	15000	13160		87.8	46.8	154.0		6010C
Lead	146	151.8		103.9	81.5	118.5		6010C
Magnesium	2640	2408		91.2	76.5	123.5		6010C
Manganese	309	300.4		97.2	81.6	118.8		6010C
Nickel	129	133.1		103.2	82.9	117.1		6010C
Potassium	2400	2090		87.1	71.7	128.3		6010C
Selenium	178	170.0		95.5	78.7	121.3		6010C
Silver	31.3	27.80		88.8	75.1	124.9		6010C
Sodium	869	742.9	J	85.5	72.7	126.6		6010C
Thallium	141	144.7		102.6	79.4	121.3		6010C
Vanadium	115	106.7		92.8	77.6	122.6		6010C
Zinc	194	190.4		98.1	82.0	118.0		6010C

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

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-361487/2-A ^4

Lab Name: TestAmerica Edison

Job No.: 460-111539-1

Sample Matrix: Solid

LCS Source: ME_LCSS_91_00001

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	8080	6618		81.9	51.1	148.5		6010C
Antimony	123	108.9		88.6	1.0	200.0		6010C
Arsenic	145	131.9		90.9	79.3	121.4		6010C
Barium	209	208.0		99.5	83.3	117.2		6010C
Beryllium	97.3	97.43		100.1	82.6	117.2		6010C
Cadmium	87.6	86.75		99.0	82.6	117.6		6010C
Calcium	5690	5208		91.5	81.0	118.8		6010C
Chromium	143	132.6		92.7	79.7	119.6		6010C
Cobalt	154	156.3		101.5	83.8	115.6		6010C
Copper	173	157.3		90.9	81.5	117.9		6010C
Iron	15000	13490		89.9	46.8	154.0		6010C
Lead	146	145.2		99.5	81.5	118.5		6010C
Magnesium	2640	2184		82.7	76.5	123.5		6010C
Manganese	309	301.4		97.5	81.6	118.8		6010C
Nickel	129	135.8		105.3	82.9	117.1		6010C
Potassium	2400	2214		92.2	71.7	128.3		6010C
Selenium	178	165.4		92.9	78.7	121.3		6010C
Silver	31.3	27.33		87.3	75.1	124.9		6010C
Sodium	869	851.8	J	98.0	72.7	126.6		6010C
Thallium	141	149.7		106.2	79.4	121.3		6010C
Vanadium	115	105.8		92.0	77.6	122.6		6010C
Zinc	194	194.5		100.2	82.0	118.0		6010C

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: 460-111461-K-1-A SD

SDG No: _____

Lab Name: TestAmerica Edison

Job No: 460-111539-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Aluminum	5290		5057		4.4		6010C
Antimony	44.0	U	22.0	U	NC		6010C
Arsenic	33.0	U	8.42	J	NC		6010C
Barium	1030		986.1		NC		6010C
Beryllium	4.4	U	2.2	U	NC		6010C
Cadmium	8.8	U	4.4	U	NC		6010C
Chromium	14.7	J	14.17		NC		6010C
Cobalt	110	U	55.0	U	NC		6010C
Copper	19.7	J	17.57	J	NC		6010C
Iron	11100		10610		4.5		6010C
Magnesium	23100		22050		NC		6010C
Manganese	165		157.1		4.9		6010C
Nickel	88.0	U	44.0	U	NC		6010C
Potassium	635	J	587.4	J	NC		6010C
Selenium	44.0	U	22.0	U	NC		6010C
Silver	22.0	U	11.0	U	NC		6010C
Sodium	11000	U	5500	U	NC		6010C
Thallium	44.0	U	22.0	U	NC		6010C
Vanadium	16.6	J	15.53	J	NC		6010C
Zinc	576		547.6		4.9		6010C

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: 460-110314-A-10-C SD ^20

SDG No: _____

Lab Name: TestAmerica Edison

Job No: 460-111539-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Aluminum	15400		15980		3.7		6010C
Antimony	4.1	U	20.6	U	NC		6010C
Arsenic	2.6	J	15.4	U	NC		6010C
Barium	187		196.1	J	NC		6010C
Beryllium	1.5		2.1	U	NC		6010C
Cadmium	0.82	U	4.1	U	NC		6010C
Calcium	2490		2693	J	NC		6010C
Chromium	31.0		32.44		NC		6010C
Cobalt	18.7		19.69	J	NC		6010C
Copper	6.2		7.36	J	NC		6010C
Iron	32700		34670		6.0		6010C
Lead	20.1		22.30		NC		6010C
Magnesium	11300		11780		NC		6010C
Manganese	815		868.8		6.5		6010C
Nickel	48.4		50.85		NC		6010C
Potassium	4180		4328	J	NC		6010C
Selenium	4.1	U	20.6	U	NC		6010C
Silver	2.1	U	10.3	U	NC		6010C
Sodium	292	J	5140	U	NC		6010C
Thallium	2.0	J	20.6	U	NC		6010C
Vanadium	34.1		35.43	J	NC		6010C
Zinc	105		111.8		NC		6010C

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: 460-111539-1
 SDG Number: _____
 Matrix: Solid Instrument ID: ICP4
 Method: 6010C MDL Date: 05/05/2015 13:01
 Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum		40	20.6
Antimony		4	1.58
Arsenic		3	0.983
Barium		40	1.43
Beryllium		0.4	0.339
Cadmium		0.8	0.417
Calcium		1000	59.2
Chromium		2	0.967
Cobalt		10	1.15
Copper		5	1.3
Iron		30	22.6
Lead		2	0.785
Magnesium		1000	49.9
Manganese		3	1.05
Nickel		8	1.46
Potassium		1000	30.3
Selenium		4	1.38
Silver		2	0.353
Sodium		1000	67.7
Thallium		4	1.77
Vanadium		10	1
Zinc		6	1.46

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-111539-1
SDG Number: _____
Matrix: Solid Instrument ID: ICP4
Method: 6010C XMDL Date: 05/05/2015 12:52

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	69.5
Antimony		20	4.7
Arsenic		15	4.41
Barium		200	5.49
Beryllium		2	1.8
Cadmium		4	2.32
Calcium		5000	317
Chromium		10	4.5
Cobalt		50	5.08
Copper		25	5.02
Iron		150	65.4
Lead		10	4.16
Magnesium		5000	260
Manganese		15	4.88
Nickel		40	5.39
Potassium		5000	122
Selenium		20	6.76
Silver		10	1.86
Sodium		5000	315
Thallium		20	4.52
Vanadium		50	4.37
Zinc		30	5.9

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-111539-1
 SDG Number: _____
 Matrix: Solid Instrument ID: ICP5
 Method: 6010C MDL Date: 05/05/2015 13:01
 Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum		40	20.6
Antimony		4	1.58
Arsenic		3	0.983
Barium		40	1.43
Beryllium		0.4	0.339
Cadmium		0.8	0.417
Calcium		1000	59.2
Chromium		2	0.967
Cobalt		10	1.15
Copper		5	1.3
Iron		30	22.6
Lead		2	0.785
Magnesium		1000	49.9
Manganese		3	1.05
Nickel		8	1.46
Potassium		1000	30.3
Selenium		4	1.38
Silver		2	0.353
Sodium		1000	67.7
Thallium		4	1.77
Vanadium		10	1
Zinc		6	1.46

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison

Job Number: 460-111539-1

SDG Number: _____

Matrix: Solid

Instrument ID: ICP5

Method: 6010C

XMDL Date: 05/05/2015 12:52

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	69.5
Antimony		20	4.7
Arsenic		15	4.41
Barium		200	5.49
Beryllium		2	1.8
Cadmium		4	2.32
Calcium		5000	317
Chromium		10	4.5
Cobalt		50	5.08
Copper		25	5.02
Iron		150	65.4
Lead		10	4.16
Magnesium		5000	260
Manganese		15	4.88
Nickel		40	5.39
Potassium		5000	122
Selenium		20	6.76
Silver		10	1.86
Sodium		5000	315
Thallium		20	4.52
Vanadium		50	4.37
Zinc		30	5.9

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-360758/1-A ^2	04/05/2016 07:40	360758	1.00		50
LCSSRM 460-360758/2-A ^4	04/05/2016 07:40	360758	1.02		50
460-111461-K-1-B DU	04/05/2016 07:40	360758	1.02		50
460-111461-K-1-C MS	04/05/2016 07:40	360758	1.04		50
460-111539-3	04/05/2016 07:40	360758	1.04		50
460-111539-4	04/05/2016 07:40	360758	1.08		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-361487/1-A ^2	04/08/2016 08:41	361487	1.00		50
LCSSRM 460-361487/2-A ^4	04/08/2016 08:41	361487	1.02		50
460-110314-A-10-D DU ^4	04/08/2016 08:41	361487	1.05		50
460-110314-A-10-E MS ^4	04/08/2016 08:41	361487	1.01		50
460-111539-1	04/08/2016 09:32	361487	1.07		50
460-111539-2	04/08/2016 09:32	361487	1.08		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

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
ICIS 460-360851/1	1		09:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			09:57																				
ZZZZZZ			10:01																				
ZZZZZZ			10:05																				
ZZZZZZ			10:09																				
ZZZZZZ			10:13																				
ICV 460-360851/7	1		10:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-360851/8	1		10:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICVL 460-360851/9	1		10:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-360851/10	1		10:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-360851/11	1		10:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			10:37																				
ZZZZZZ			10:41																				
ZZZZZZ			10:45																				
ZZZZZZ			10:49																				
ZZZZZZ			10:53																				
ZZZZZZ			10:57																				
ZZZZZZ			11:01																				
ZZZZZZ			11:05																				
CCV 460-360851/20			11:09																				
CCB 460-360851/21			11:13																				
CCVL 460-360851/22			11:17																				
ZZZZZZ			11:21																				
ZZZZZZ			11:25																				
ZZZZZZ			11:29																				
ZZZZZZ			11:33																				
ZZZZZZ			11:36																				
ZZZZZZ			11:41																				
ZZZZZZ			11:44																				
ZZZZZZ			11:48																				
ZZZZZZ			11:52																				
ZZZZZZ			11:56																				
CCV 460-360851/33			12:00																				
CCB 460-360851/34			12:04																				
CCVL 460-360851/35			12:08																				
ZZZZZZ			12:12																				
ZZZZZZ			12:16																				
ZZZZZZ			12:20																				
ZZZZZZ			12:24																				
ZZZZZZ			12:28																				
ZZZZZZ			12:32																				
ZZZZZZ			12:36																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

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			12:40																				
ZZZZZZ			12:44																				
ZZZZZZ			12:48																				
CCV 460-360851/46			12:52																				
CCB 460-360851/47			12:56																				
CCVL 460-360851/48			13:00																				
ZZZZZZ			13:04																				
ZZZZZZ			13:09																				
ZZZZZZ			13:13																				
ZZZZZZ			13:17																				
ZZZZZZ			13:21																				
ZZZZZZ			13:26																				
ZZZZZZ			13:30																				
ZZZZZZ			13:34																				
ZZZZZZ			13:38																				
ZZZZZZ			13:42																				
CCV 460-360851/59	1		13:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-360851/60	1		13:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-360851/61	1		13:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:05																				
ZZZZZZ			14:09																				
ZZZZZZ			14:14																				
MB 460-360758/1-A ^2	2	T	14:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSSRM 460-360758/2-A ^4	4	T	14:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-111461-K-1-B DU	4	T	14:26	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X	X
ZZZZZZ			14:30																				
460-111461-K-1-A SD	20	T	14:34	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X	X
460-111461-K-1-C MS	4	T	14:38	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X	X
460-111461-K-1-A PDS	4	T	14:41	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X	X
CCV 460-360851/72	1		14:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-360851/73	1		14:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-360851/74	1		14:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:57																				
ZZZZZZ			15:01																				
ZZZZZZ			15:05																				
460-111539-3	4	T	15:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-111539-4	4	T	15:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:17																				
ZZZZZZ			15:21																				
ZZZZZZ			15:25																				
ZZZZZZ			15:29																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

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
ZZZZZZZ			15:33																			
CCV 460-360851/85	1		15:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-360851/86	1		15:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-360851/87	1		15:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZZ			15:58																			
ZZZZZZZ			16:02																			
ZZZZZZZ			16:06																			
ZZZZZZZ			16:10																			
ZZZZZZZ			16:14																			
ZZZZZZZ			16:18																			
ZZZZZZZ			16:22																			
ZZZZZZZ			16:26																			
ZZZZZZZ			16:30																			
ZZZZZZZ			16:34																			
CCV 460-360851/98			16:38																			
CCB 460-360851/99			16:42																			
CCVL 460-360851/100			16:46																			
ZZZZZZZ			16:52																			
ZZZZZZZ			16:56																			
ZZZZZZZ			17:00																			
ZZZZZZZ			17:04																			
ZZZZZZZ			17:08																			
ZZZZZZZ			17:12																			
ZZZZZZZ			17:16																			
ZZZZZZZ			17:20																			
ZZZZZZZ			17:24																			
ZZZZZZZ			17:28																			
CCV 460-360851/111			17:33																			
CCB 460-360851/112			17:36																			
CCVL 460-360851/113			17:41																			
ZZZZZZZ			17:45																			
ZZZZZZZ			17:49																			
ZZZZZZZ			17:53																			
ZZZZZZZ			17:57																			
ZZZZZZZ			18:01																			
ZZZZZZZ			18:05																			
ZZZZZZZ			18:10																			
ZZZZZZZ			18:14																			
ZZZZZZZ			18:18																			
ZZZZZZZ			18:23																			
CCV 460-360851/124			18:27																			
CCB 460-360851/125			18:31																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

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
CCVL 460-360851/126			18:35																			
ZZZZZZ			18:39																			
ZZZZZZ			18:43																			
ZZZZZZ			18:48																			
ZZZZZZ			18:52																			
ZZZZZZ			18:56																			
ZZZZZZ			19:01																			
ZZZZZZ			19:05																			
ZZZZZZ			19:09																			
ZZZZZZ			19:13																			
ZZZZZZ			19:18																			
CCV 460-360851/137			19:22																			
CCB 460-360851/138			19:26																			
CCVL 460-360851/139			19:30																			
ZZZZZZ			19:34																			
ZZZZZZ			19:39																			
ZZZZZZ			19:43																			
ZZZZZZ			19:47																			
ZZZZZZ			19:52																			
ZZZZZZ			19:56																			
ZZZZZZ			20:00																			
ZZZZZZ			20:04																			
ZZZZZZ			20:08																			
ZZZZZZ			20:12																			
CCV 460-360851/150			20:16																			
CCB 460-360851/151			20:20																			
CCVL 460-360851/152			20:25																			
ZZZZZZ			20:34																			
ZZZZZZ			20:38																			
ZZZZZZ			20:42																			
ZZZZZZ			20:47																			
ZZZZZZ			20:51																			
ZZZZZZ			20:55																			
ZZZZZZ			20:59																			
ZZZZZZ			21:03																			
ZZZZZZ			21:07																			
ZZZZZZ			21:11																			
CCV 460-360851/163			21:15																			
CCB 460-360851/164			21:19																			
CCVL 460-360851/165			21:24																			
ZZZZZZ			21:30																			
ZZZZZZ			21:34																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

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
ZZZZZZZ			21:38																			
ZZZZZZZ			21:42																			
ZZZZZZZ			21:47																			
ZZZZZZZ			21:51																			
ZZZZZZZ			21:55																			
ZZZZZZZ			21:59																			
ZZZZZZZ			22:03																			
ZZZZZZZ			22:07																			
CCV 460-360851/176			22:12																			
CCB 460-360851/177			22:16																			
CCVL 460-360851/178			22:20																			
ZZZZZZZ			22:24																			
ZZZZZZZ			22:29																			
ZZZZZZZ			22:33																			
ZZZZZZZ			22:37																			
ZZZZZZZ			22:41																			
ZZZZZZZ			22:45																			
ZZZZZZZ			22:49																			
ZZZZZZZ			22:53																			
ZZZZZZZ			22:57																			
ZZZZZZZ			23:01																			
CCV 460-360851/189			23:06																			
CCB 460-360851/190			23:10																			
CCVL 460-360851/191			23:14																			
ZZZZZZZ			23:18																			
ZZZZZZZ			23:22																			
ZZZZZZZ			23:27																			
ZZZZZZZ			23:31																			
ZZZZZZZ			23:35																			
ZZZZZZZ			23:39																			
ZZZZZZZ			23:43																			
ZZZZZZZ			23:47																			
ZZZZZZZ			23:52																			
ZZZZZZZ			23:56																			
CCV 460-360851/202			00:00																			
CCB 460-360851/203			00:04																			
CCVL 460-360851/204			00:08																			
ZZZZZZZ			00:12																			
ZZZZZZZ			00:16																			
ZZZZZZZ			00:20																			
ZZZZZZZ			00:24																			
ZZZZZZZ			00:28																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

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			00:32																			
ZZZZZZ			00:36																			
ZZZZZZ			00:40																			
ZZZZZZ			00:44																			
ZZZZZZ			00:48																			
CCV 460-360851/215			00:52																			
CCB 460-360851/216			00:56																			
CCVL 460-360851/217			01:00																			
ZZZZZZ			01:04																			
ZZZZZZ			01:08																			
ZZZZZZ			01:11																			
ZZZZZZ			01:15																			
ZZZZZZ			01:19																			
ZZZZZZ			01:23																			
ZZZZZZ			01:27																			
ZZZZZZ			01:31																			
ZZZZZZ			01:35																			
ZZZZZZ			01:38																			
CCV 460-360851/228			01:42																			
CCB 460-360851/229			01:46																			
CCVL 460-360851/230			01:50																			
ZZZZZZ			01:54																			
ZZZZZZ			01:58																			
ZZZZZZ			02:02																			
ZZZZZZ			02:06																			
ZZZZZZ			02:10																			
ZZZZZZ			02:14																			
ZZZZZZ			02:18																			
ZZZZZZ			02:22																			
ZZZZZZ			02:25																			
ZZZZZZ			02:29																			
CCV 460-360851/241			02:33																			
CCB 460-360851/242			02:37																			
CCVL 460-360851/243			02:41																			
ZZZZZZ			02:45																			
ZZZZZZ			02:49																			
CCV 460-360851/246			02:53																			
CCB 460-360851/247			02:56																			
CCVL 460-360851/248			03:00																			

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ICIS 460-360851/1	1		09:53	X	X																
ZZZZZZ			09:57																		
ZZZZZZ			10:01																		
ZZZZZZ			10:05																		
ZZZZZZ			10:09																		
ZZZZZZ			10:13																		
ICV 460-360851/7	1		10:17	X	X																
ICB 460-360851/8	1		10:21	X	X																
ICVL 460-360851/9	1		10:25	X	X																
ICSA 460-360851/10	1		10:29	X	X																
ICSAB 460-360851/11	1		10:33	X	X																
ZZZZZZ			10:37																		
ZZZZZZ			10:41																		
ZZZZZZ			10:45																		
ZZZZZZ			10:49																		
ZZZZZZ			10:53																		
ZZZZZZ			10:57																		
ZZZZZZ			11:01																		
ZZZZZZ			11:05																		
CCV 460-360851/20			11:09																		
CCB 460-360851/21			11:13																		
CCVL 460-360851/22			11:17																		
ZZZZZZ			11:21																		
ZZZZZZ			11:25																		
ZZZZZZ			11:29																		
ZZZZZZ			11:33																		
ZZZZZZ			11:36																		
ZZZZZZ			11:41																		
ZZZZZZ			11:44																		
ZZZZZZ			11:48																		
ZZZZZZ			11:52																		
ZZZZZZ			11:56																		
CCV 460-360851/33			12:00																		
CCB 460-360851/34			12:04																		
CCVL 460-360851/35			12:08																		
ZZZZZZ			12:12																		
ZZZZZZ			12:16																		
ZZZZZZ			12:20																		
ZZZZZZ			12:24																		
ZZZZZZ			12:28																		
ZZZZZZ			12:32																		
ZZZZZZ			12:36																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			12:40																		
ZZZZZZ			12:44																		
ZZZZZZ			12:48																		
CCV 460-360851/46			12:52																		
CCB 460-360851/47			12:56																		
CCVL 460-360851/48			13:00																		
ZZZZZZ			13:04																		
ZZZZZZ			13:09																		
ZZZZZZ			13:13																		
ZZZZZZ			13:17																		
ZZZZZZ			13:21																		
ZZZZZZ			13:26																		
ZZZZZZ			13:30																		
ZZZZZZ			13:34																		
ZZZZZZ			13:38																		
ZZZZZZ			13:42																		
CCV 460-360851/59	1		13:47	X	X																
CCB 460-360851/60	1		13:50	X	X																
CCVL 460-360851/61	1		13:55	X	X																
ZZZZZZ			14:05																		
ZZZZZZ			14:09																		
ZZZZZZ			14:14																		
MB 460-360758/1-A ^2	2	T	14:18	X	X																
LCSSRM 460-360758/2-A ^4	4	T	14:22	X	X																
460-111461-K-1-B DU	4	T	14:26	X	X																
ZZZZZZ			14:30																		
460-111461-K-1-A SD	20	T	14:34	X	X																
460-111461-K-1-C MS	4	T	14:38	X	X																
460-111461-K-1-A PDS	4	T	14:41	X	X																
CCV 460-360851/72	1		14:45	X	X																
CCB 460-360851/73	1		14:49	X	X																
CCVL 460-360851/74	1		14:53	X	X																
ZZZZZZ			14:57																		
ZZZZZZ			15:01																		
ZZZZZZ			15:05																		
460-111539-3	4	T	15:09	X	X																
460-111539-4	4	T	15:13	X	X																
ZZZZZZ			15:17																		
ZZZZZZ			15:21																		
ZZZZZZ			15:25																		
ZZZZZZ			15:29																		

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			15:33																		
CCV 460-360851/85	1		15:37	X	X																
CCB 460-360851/86	1		15:41	X	X																
CCVL 460-360851/87	1		15:45	X	X																
ZZZZZZ			15:58																		
ZZZZZZ			16:02																		
ZZZZZZ			16:06																		
ZZZZZZ			16:10																		
ZZZZZZ			16:14																		
ZZZZZZ			16:18																		
ZZZZZZ			16:22																		
ZZZZZZ			16:26																		
ZZZZZZ			16:30																		
ZZZZZZ			16:34																		
CCV 460-360851/98			16:38																		
CCB 460-360851/99			16:42																		
CCVL 460-360851/100			16:46																		
ZZZZZZ			16:52																		
ZZZZZZ			16:56																		
ZZZZZZ			17:00																		
ZZZZZZ			17:04																		
ZZZZZZ			17:08																		
ZZZZZZ			17:12																		
ZZZZZZ			17:16																		
ZZZZZZ			17:20																		
ZZZZZZ			17:24																		
ZZZZZZ			17:28																		
CCV 460-360851/111			17:33																		
CCB 460-360851/112			17:36																		
CCVL 460-360851/113			17:41																		
ZZZZZZ			17:45																		
ZZZZZZ			17:49																		
ZZZZZZ			17:53																		
ZZZZZZ			17:57																		
ZZZZZZ			18:01																		
ZZZZZZ			18:05																		
ZZZZZZ			18:10																		
ZZZZZZ			18:14																		
ZZZZZZ			18:18																		
ZZZZZZ			18:23																		
CCV 460-360851/124			18:27																		
CCB 460-360851/125			18:31																		

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCVL 460-360851/126			18:35																		
ZZZZZZ			18:39																		
ZZZZZZ			18:43																		
ZZZZZZ			18:48																		
ZZZZZZ			18:52																		
ZZZZZZ			18:56																		
ZZZZZZ			19:01																		
ZZZZZZ			19:05																		
ZZZZZZ			19:09																		
ZZZZZZ			19:13																		
ZZZZZZ			19:18																		
CCV 460-360851/137			19:22																		
CCB 460-360851/138			19:26																		
CCVL 460-360851/139			19:30																		
ZZZZZZ			19:34																		
ZZZZZZ			19:39																		
ZZZZZZ			19:43																		
ZZZZZZ			19:47																		
ZZZZZZ			19:52																		
ZZZZZZ			19:56																		
ZZZZZZ			20:00																		
ZZZZZZ			20:04																		
ZZZZZZ			20:08																		
ZZZZZZ			20:12																		
CCV 460-360851/150			20:16																		
CCB 460-360851/151			20:20																		
CCVL 460-360851/152			20:25																		
ZZZZZZ			20:34																		
ZZZZZZ			20:38																		
ZZZZZZ			20:42																		
ZZZZZZ			20:47																		
ZZZZZZ			20:51																		
ZZZZZZ			20:55																		
ZZZZZZ			20:59																		
ZZZZZZ			21:03																		
ZZZZZZ			21:07																		
ZZZZZZ			21:11																		
CCV 460-360851/163			21:15																		
CCB 460-360851/164			21:19																		
CCVL 460-360851/165			21:24																		
ZZZZZZ			21:30																		
ZZZZZZ			21:34																		

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			21:38																		
ZZZZZZ			21:42																		
ZZZZZZ			21:47																		
ZZZZZZ			21:51																		
ZZZZZZ			21:55																		
ZZZZZZ			21:59																		
ZZZZZZ			22:03																		
ZZZZZZ			22:07																		
CCV 460-360851/176			22:12																		
CCB 460-360851/177			22:16																		
CCVL 460-360851/178			22:20																		
ZZZZZZ			22:24																		
ZZZZZZ			22:29																		
ZZZZZZ			22:33																		
ZZZZZZ			22:37																		
ZZZZZZ			22:41																		
ZZZZZZ			22:45																		
ZZZZZZ			22:49																		
ZZZZZZ			22:53																		
ZZZZZZ			22:57																		
ZZZZZZ			23:01																		
CCV 460-360851/189			23:06																		
CCB 460-360851/190			23:10																		
CCVL 460-360851/191			23:14																		
ZZZZZZ			23:18																		
ZZZZZZ			23:22																		
ZZZZZZ			23:27																		
ZZZZZZ			23:31																		
ZZZZZZ			23:35																		
ZZZZZZ			23:39																		
ZZZZZZ			23:43																		
ZZZZZZ			23:47																		
ZZZZZZ			23:52																		
ZZZZZZ			23:56																		
CCV 460-360851/202			00:00																		
CCB 460-360851/203			00:04																		
CCVL 460-360851/204			00:08																		
ZZZZZZ			00:12																		
ZZZZZZ			00:16																		
ZZZZZZ			00:20																		
ZZZZZZ			00:24																		
ZZZZZZ			00:28																		

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/05/2016 09:53 End Date: 04/06/2016 03:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			00:32																		
ZZZZZZ			00:36																		
ZZZZZZ			00:40																		
ZZZZZZ			00:44																		
ZZZZZZ			00:48																		
CCV 460-360851/215			00:52																		
CCB 460-360851/216			00:56																		
CCVL 460-360851/217			01:00																		
ZZZZZZ			01:04																		
ZZZZZZ			01:08																		
ZZZZZZ			01:11																		
ZZZZZZ			01:15																		
ZZZZZZ			01:19																		
ZZZZZZ			01:23																		
ZZZZZZ			01:27																		
ZZZZZZ			01:31																		
ZZZZZZ			01:35																		
ZZZZZZ			01:38																		
CCV 460-360851/228			01:42																		
CCB 460-360851/229			01:46																		
CCVL 460-360851/230			01:50																		
ZZZZZZ			01:54																		
ZZZZZZ			01:58																		
ZZZZZZ			02:02																		
ZZZZZZ			02:06																		
ZZZZZZ			02:10																		
ZZZZZZ			02:14																		
ZZZZZZ			02:18																		
ZZZZZZ			02:22																		
ZZZZZZ			02:25																		
ZZZZZZ			02:29																		
CCV 460-360851/241			02:33																		
CCB 460-360851/242			02:37																		
CCVL 460-360851/243			02:41																		
ZZZZZZ			02:45																		
ZZZZZZ			02:49																		
CCV 460-360851/246			02:53																		
CCB 460-360851/247			02:56																		
CCVL 460-360851/248			03:00																		

Prep Types
T = Total/NA

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/09/2016 17:02 End Date: 04/09/2016 23:53

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
ICIS 460-361731/1	1		17:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:06																				
ZZZZZZ			17:10																				
ZZZZZZ			17:13																				
ZZZZZZ			17:17																				
ZZZZZZ			17:21																				
ICV 460-361731/7	1		17:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 460-361731/8	1		17:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 460-361731/9	1		17:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 460-361731/10	1		17:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 460-361731/11	1		17:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:44																				
ZZZZZZ			17:48																				
ZZZZZZ			17:52																				
ZZZZZZ			17:55																				
ZZZZZZ			17:59																				
ZZZZZZ			18:03																				
ZZZZZZ			18:06																				
ZZZZZZ			18:10																				
CCV 460-361731/20			18:14																				
CCB 460-361731/21			18:18																				
CCVL 460-361731/22			18:22																				
ZZZZZZ			18:25																				
ZZZZZZ			18:29																				
ZZZZZZ			18:33																				
ZZZZZZ			18:37																				
ZZZZZZ			18:41																				
ZZZZZZ			18:45																				
ZZZZZZ			18:48																				
ZZZZZZ			18:52																				
ZZZZZZ			18:56																				
ZZZZZZ			19:00																				
CCV 460-361731/33			19:04																				
CCB 460-361731/34			19:07																				
CCVL 460-361731/35			19:11																				
ZZZZZZ			19:15																				
ZZZZZZ			19:19																				
ZZZZZZ			19:23																				
ZZZZZZ			19:27																				
ZZZZZZ			19:31																				
ZZZZZZ			19:34																				
ZZZZZZ			19:38																				

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/09/2016 17:02 End Date: 04/09/2016 23:53

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			19:42																				
ZZZZZZ			19:46																				
ZZZZZZ			19:50																				
CCV 460-361731/46			19:54																				
CCB 460-361731/47			19:57																				
CCVL 460-361731/48			20:01																				
ZZZZZZ			20:05																				
ZZZZZZ			20:09																				
ZZZZZZ			20:13																				
ZZZZZZ			20:16																				
ZZZZZZ			20:20																				
ZZZZZZ			20:24																				
ZZZZZZ			20:27																				
ZZZZZZ			20:31																				
ZZZZZZ			20:35																				
ZZZZZZ			20:39																				
CCV 460-361731/59			20:42																				
CCB 460-361731/60			20:46																				
CCVL 460-361731/61			20:50																				
ZZZZZZ			20:54																				
ZZZZZZ			20:57																				
ZZZZZZ			21:01																				
ZZZZZZ			21:05																				
ZZZZZZ			21:09																				
ZZZZZZ			21:13																				
ZZZZZZ			21:16																				
ZZZZZZ			21:20																				
ZZZZZZ			21:24																				
ZZZZZZ			21:27																				
CCV 460-361731/72	1		21:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-361731/73	1		21:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVL 460-361731/74	1		21:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			21:42																				
ZZZZZZ			21:46																				
ZZZZZZ			21:50																				
ZZZZZZ			21:54																				
ZZZZZZ			21:58																				
ZZZZZZ			22:01																				
ZZZZZZ			22:05																				
ZZZZZZ			22:09																				
460-110314-A-10-C PDS ^4	4	T	22:13	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.: 460-111539-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/09/2016 17:02 End Date: 04/09/2016 23:53

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
460-110314-A-10-E MS ^4	4	T	22:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-361731/85	1		22:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-361731/86	1		22:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-361731/87	1		22:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-110314-A-10-D DU ^4	4	T	22:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			22:35																				
460-110314-A-10-C SD ^20	20	T	22:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 460-361487/1-A ^2	2	T	22:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSSRM 460-361487/2-A ^4	4	T	22:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			22:50																				
ZZZZZZ			22:53																				
ZZZZZZ			22:57																				
ZZZZZZ			23:01																				
ZZZZZZ			23:05																				
CCV 460-361731/98	1		23:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-361731/99	1		23:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-361731/100	1		23:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			23:20																				
ZZZZZZ			23:23																				
ZZZZZZ			23:27																				
ZZZZZZ			23:31																				
ZZZZZZ			23:34																				
ZZZZZZ			23:38																				
ZZZZZZ			23:42																				
ZZZZZZ			23:46																				
ZZZZZZ			23:49																				
ZZZZZZ			23:53																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/09/2016 17:02 End Date: 04/09/2016 23:53

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ICIS 460-361731/1	1		17:02	X	X																
ZZZZZZ			17:06																		
ZZZZZZ			17:10																		
ZZZZZZ			17:13																		
ZZZZZZ			17:17																		
ZZZZZZ			17:21																		
ICV 460-361731/7	1		17:24	X	X																
ICB 460-361731/8	1		17:28	X	X																
ICVL 460-361731/9	1		17:32	X	X																
ICSA 460-361731/10	1		17:36	X	X																
ICSAB 460-361731/11	1		17:40	X	X																
ZZZZZZ			17:44																		
ZZZZZZ			17:48																		
ZZZZZZ			17:52																		
ZZZZZZ			17:55																		
ZZZZZZ			17:59																		
ZZZZZZ			18:03																		
ZZZZZZ			18:06																		
ZZZZZZ			18:10																		
CCV 460-361731/20			18:14																		
CCB 460-361731/21			18:18																		
CCVL 460-361731/22			18:22																		
ZZZZZZ			18:25																		
ZZZZZZ			18:29																		
ZZZZZZ			18:33																		
ZZZZZZ			18:37																		
ZZZZZZ			18:41																		
ZZZZZZ			18:45																		
ZZZZZZ			18:48																		
ZZZZZZ			18:52																		
ZZZZZZ			18:56																		
ZZZZZZ			19:00																		
CCV 460-361731/33			19:04																		
CCB 460-361731/34			19:07																		
CCVL 460-361731/35			19:11																		
ZZZZZZ			19:15																		
ZZZZZZ			19:19																		
ZZZZZZ			19:23																		
ZZZZZZ			19:27																		
ZZZZZZ			19:31																		
ZZZZZZ			19:34																		
ZZZZZZ			19:38																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/09/2016 17:02 End Date: 04/09/2016 23:53

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			19:42																		
ZZZZZZ			19:46																		
ZZZZZZ			19:50																		
CCV 460-361731/46			19:54																		
CCB 460-361731/47			19:57																		
CCVL 460-361731/48			20:01																		
ZZZZZZ			20:05																		
ZZZZZZ			20:09																		
ZZZZZZ			20:13																		
ZZZZZZ			20:16																		
ZZZZZZ			20:20																		
ZZZZZZ			20:24																		
ZZZZZZ			20:27																		
ZZZZZZ			20:31																		
ZZZZZZ			20:35																		
ZZZZZZ			20:39																		
CCV 460-361731/59			20:42																		
CCB 460-361731/60			20:46																		
CCVL 460-361731/61			20:50																		
ZZZZZZ			20:54																		
ZZZZZZ			20:57																		
ZZZZZZ			21:01																		
ZZZZZZ			21:05																		
ZZZZZZ			21:09																		
ZZZZZZ			21:13																		
ZZZZZZ			21:16																		
ZZZZZZ			21:20																		
ZZZZZZ			21:24																		
ZZZZZZ			21:27																		
CCV 460-361731/72	1		21:31	X	X																
CCB 460-361731/73	1		21:35	X	X																
CCVL 460-361731/74	1		21:39	X	X																
ZZZZZZ			21:42																		
ZZZZZZ			21:46																		
ZZZZZZ			21:50																		
ZZZZZZ			21:54																		
ZZZZZZ			21:58																		
ZZZZZZ			22:01																		
ZZZZZZ			22:05																		
ZZZZZZ			22:09																		
460-110314-A-10-C PDS ^4	4	T	22:13	X	X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/09/2016 17:02 End Date: 04/09/2016 23:53

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
460-110314-A-10-E MS ^4	4	T	22:16	X	X																
CCV 460-361731/85	1		22:20	X	X																
CCB 460-361731/86	1		22:23	X	X																
CCVL 460-361731/87	1		22:27	X	X																
460-110314-A-10-D DU ^4	4	T	22:31	X	X																
ZZZZZZ			22:35																		
460-110314-A-10-C SD ^20	20	T	22:39	X	X																
MB 460-361487/1-A ^2	2	T	22:42	X	X																
LCSSRM 460-361487/2-A ^4	4	T	22:46	X	X																
ZZZZZZ			22:50																		
ZZZZZZ			22:53																		
ZZZZZZ			22:57																		
ZZZZZZ			23:01																		
ZZZZZZ			23:05																		
CCV 460-361731/98	1		23:08	X	X																
CCB 460-361731/99	1		23:12	X	X																
CCVL 460-361731/100	1		23:16	X	X																
ZZZZZZ			23:20																		
ZZZZZZ			23:23																		
ZZZZZZ			23:27																		
ZZZZZZ			23:31																		
ZZZZZZ			23:34																		
ZZZZZZ			23:38																		
ZZZZZZ			23:42																		
ZZZZZZ			23:46																		
ZZZZZZ			23:49																		
ZZZZZZ			23:53																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/10/2016 14:01 End Date: 04/10/2016 20:51

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
ICIS 460-361771/1	1		14:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			14:04																				
ZZZZZZ			14:08																				
ZZZZZZ			14:12																				
ZZZZZZ			14:16																				
ZZZZZZ			14:19																				
ICV 460-361771/7	1		14:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-361771/8	1		14:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICVL 460-361771/9	1		14:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-361771/10	1		14:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-361771/11	1		14:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			14:43																				
ZZZZZZ			14:47																				
ZZZZZZ			14:51																				
460-111539-1	4	T	14:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-111539-2	4	T	14:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			15:02																				
ZZZZZZ			15:05																				
ZZZZZZ			15:09																				
CCV 460-361771/20	1		15:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-361771/21	1		15:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVL 460-361771/22	1		15:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			15:24																				
ZZZZZZ			15:28																				
ZZZZZZ			15:32																				
ZZZZZZ			15:36																				
ZZZZZZ			15:39																				
ZZZZZZ			15:43																				
ZZZZZZ			15:47																				
ZZZZZZ			15:50																				
ZZZZZZ			15:54																				
ZZZZZZ			15:58																				
CCV 460-361771/33			16:01																				
CCB 460-361771/34			16:05																				
CCVL 460-361771/35			16:09																				
ZZZZZZ			16:13																				
ZZZZZZ			16:16																				
ZZZZZZ			16:20																				
ZZZZZZ			16:24																				
ZZZZZZ			16:28																				
ZZZZZZ			16:31																				
ZZZZZZ			16:35																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/10/2016 14:01 End Date: 04/10/2016 20:51

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
ZZZZZZZ			16:39																			
ZZZZZZZ			16:43																			
ZZZZZZZ			16:46																			
CCV 460-361771/46			16:50																			
CCB 460-361771/47			16:54																			
CCVL 460-361771/48			16:58																			
ZZZZZZZ			17:01																			
ZZZZZZZ			17:05																			
ZZZZZZZ			17:09																			
ZZZZZZZ			17:13																			
ZZZZZZZ			17:16																			
ZZZZZZZ			17:20																			
ZZZZZZZ			17:24																			
ZZZZZZZ			17:28																			
ZZZZZZZ			17:32																			
ZZZZZZZ			17:35																			
CCV 460-361771/59			17:39																			
CCB 460-361771/60			17:42																			
CCVL 460-361771/61			17:46																			
ZZZZZZZ			17:50																			
ZZZZZZZ			17:54																			
ZZZZZZZ			17:58																			
ZZZZZZZ			18:01																			
ZZZZZZZ			18:05																			
ZZZZZZZ			18:09																			
ZZZZZZZ			18:13																			
ZZZZZZZ			18:16																			
ZZZZZZZ			18:20																			
ZZZZZZZ			18:24																			
CCV 460-361771/72			18:27																			
CCB 460-361771/73			18:31																			
CCVL 460-361771/74			18:35																			
ZZZZZZZ			18:39																			
ZZZZZZZ			18:42																			
ZZZZZZZ			18:46																			
ZZZZZZZ			18:50																			
ZZZZZZZ			18:54																			
ZZZZZZZ			18:58																			
ZZZZZZZ			19:01																			
ZZZZZZZ			19:05																			
ZZZZZZZ			19:09																			
ZZZZZZZ			19:13																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/10/2016 14:01 End Date: 04/10/2016 20:51

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
CCV 460-361771/85			19:16																			
CCB 460-361771/86			19:20																			
CCVL 460-361771/87			19:24																			
ZZZZZZ			19:28																			
ZZZZZZ			19:31																			
ZZZZZZ			19:35																			
ZZZZZZ			19:39																			
ZZZZZZ			19:43																			
ZZZZZZ			19:46																			
ZZZZZZ			19:50																			
ZZZZZZ			19:54																			
ZZZZZZ			19:57																			
ZZZZZZ			20:01																			
CCV 460-361771/98			20:05																			
CCB 460-361771/99			20:08																			
CCVL 460-361771/100			20:12																			
ZZZZZZ			20:16																			
ZZZZZZ			20:20																			
ZZZZZZ			20:24																			
ZZZZZZ			20:28																			
ZZZZZZ			20:31																			
ZZZZZZ			20:35																			
ZZZZZZ			20:39																			
ZZZZZZ			20:43																			
ZZZZZZ			20:47																			
ZZZZZZ			20:51																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/10/2016 14:01 End Date: 04/10/2016 20:51

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ICIS 460-361771/1	1		14:01	X	X																
ZZZZZZ			14:04																		
ZZZZZZ			14:08																		
ZZZZZZ			14:12																		
ZZZZZZ			14:16																		
ZZZZZZ			14:19																		
ICV 460-361771/7	1		14:23	X	X																
ICB 460-361771/8	1		14:27	X	X																
ICVL 460-361771/9	1		14:31	X	X																
ICSA 460-361771/10	1		14:35	X	X																
ICSAB 460-361771/11	1		14:39	X	X																
ZZZZZZ			14:43																		
ZZZZZZ			14:47																		
ZZZZZZ			14:51																		
460-111539-1	4	T	14:54	X	X																
460-111539-2	4	T	14:58	X	X																
ZZZZZZ			15:02																		
ZZZZZZ			15:05																		
ZZZZZZ			15:09																		
CCV 460-361771/20	1		15:13	X	X																
CCB 460-361771/21	1		15:16	X	X																
CCVL 460-361771/22	1		15:20	X	X																
ZZZZZZ			15:24																		
ZZZZZZ			15:28																		
ZZZZZZ			15:32																		
ZZZZZZ			15:36																		
ZZZZZZ			15:39																		
ZZZZZZ			15:43																		
ZZZZZZ			15:47																		
ZZZZZZ			15:50																		
ZZZZZZ			15:54																		
ZZZZZZ			15:58																		
CCV 460-361771/33			16:01																		
CCB 460-361771/34			16:05																		
CCVL 460-361771/35			16:09																		
ZZZZZZ			16:13																		
ZZZZZZ			16:16																		
ZZZZZZ			16:20																		
ZZZZZZ			16:24																		
ZZZZZZ			16:28																		
ZZZZZZ			16:31																		
ZZZZZZ			16:35																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/10/2016 14:01 End Date: 04/10/2016 20:51

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			16:39																		
ZZZZZZ			16:43																		
ZZZZZZ			16:46																		
CCV 460-361771/46			16:50																		
CCB 460-361771/47			16:54																		
CCVL 460-361771/48			16:58																		
ZZZZZZ			17:01																		
ZZZZZZ			17:05																		
ZZZZZZ			17:09																		
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ZZZZZZ			17:16																		
ZZZZZZ			17:20																		
ZZZZZZ			17:24																		
ZZZZZZ			17:28																		
ZZZZZZ			17:32																		
ZZZZZZ			17:35																		
CCV 460-361771/59			17:39																		
CCB 460-361771/60			17:42																		
CCVL 460-361771/61			17:46																		
ZZZZZZ			17:50																		
ZZZZZZ			17:54																		
ZZZZZZ			17:58																		
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ZZZZZZ			18:24																		
CCV 460-361771/72			18:27																		
CCB 460-361771/73			18:31																		
CCVL 460-361771/74			18:35																		
ZZZZZZ			18:39																		
ZZZZZZ			18:42																		
ZZZZZZ			18:46																		
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ZZZZZZ			18:54																		
ZZZZZZ			18:58																		
ZZZZZZ			19:01																		
ZZZZZZ			19:05																		
ZZZZZZ			19:09																		
ZZZZZZ			19:13																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111539-1

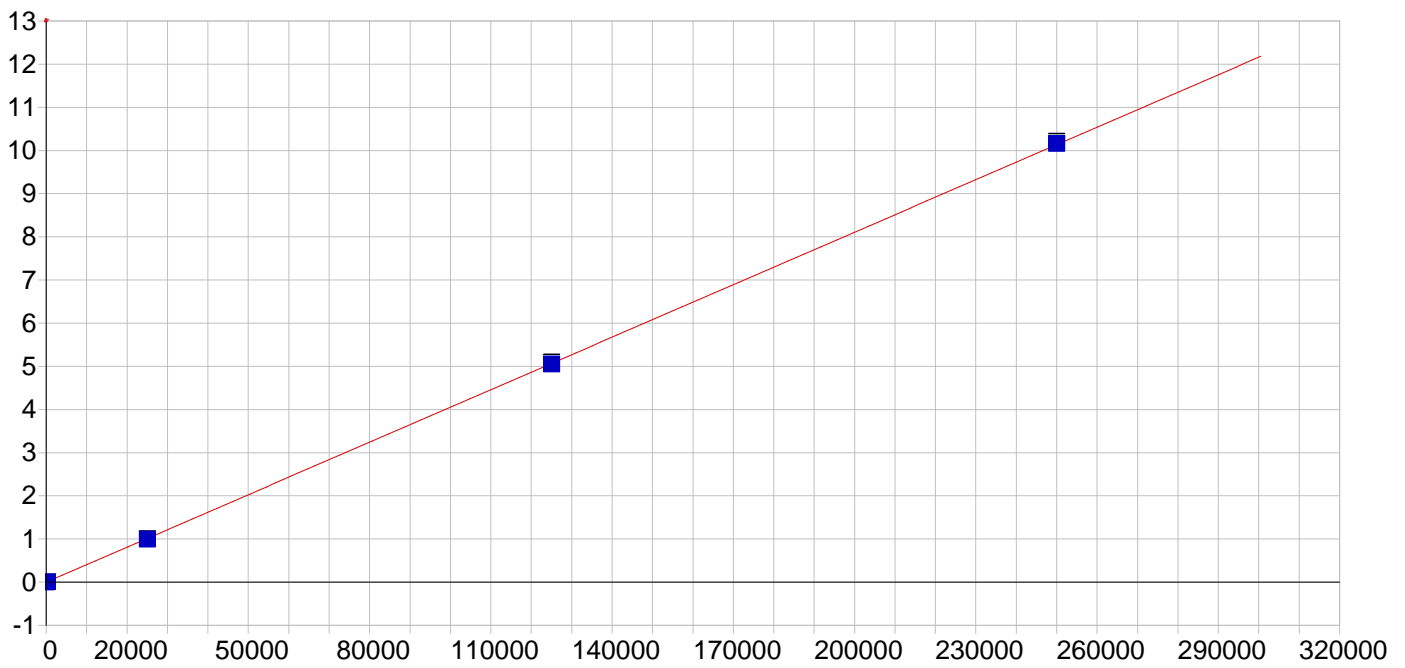
SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 04/10/2016 14:01 End Date: 04/10/2016 20:51

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCV 460-361771/85			19:16																		
CCB 460-361771/86			19:20																		
CCVL 460-361771/87			19:24																		
ZZZZZZ			19:28																		
ZZZZZZ			19:31																		
ZZZZZZ			19:35																		
ZZZZZZ			19:39																		
ZZZZZZ			19:43																		
ZZZZZZ			19:46																		
ZZZZZZ			19:50																		
ZZZZZZ			19:54																		
ZZZZZZ			19:57																		
ZZZZZZ			20:01																		
CCV 460-361771/98			20:05																		
CCB 460-361771/99			20:08																		
CCVL 460-361771/100			20:12																		
ZZZZZZ			20:16																		
ZZZZZZ			20:20																		
ZZZZZZ			20:24																		
ZZZZZZ			20:28																		
ZZZZZZ			20:31																		
ZZZZZZ			20:35																		
ZZZZZZ			20:39																		
ZZZZZZ			20:43																		
ZZZZZZ			20:47																		
ZZZZZZ			20:51																		

Prep Types
T = Total/NA

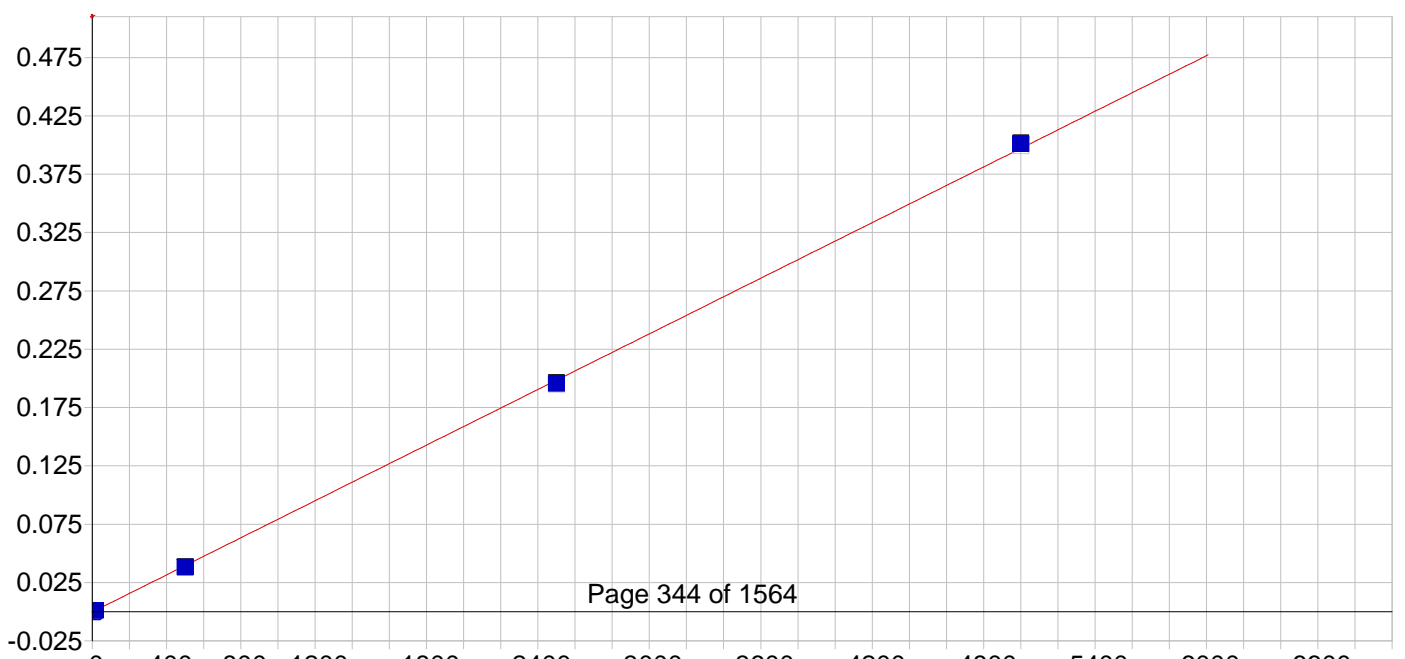


AI 396.152 { 85}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

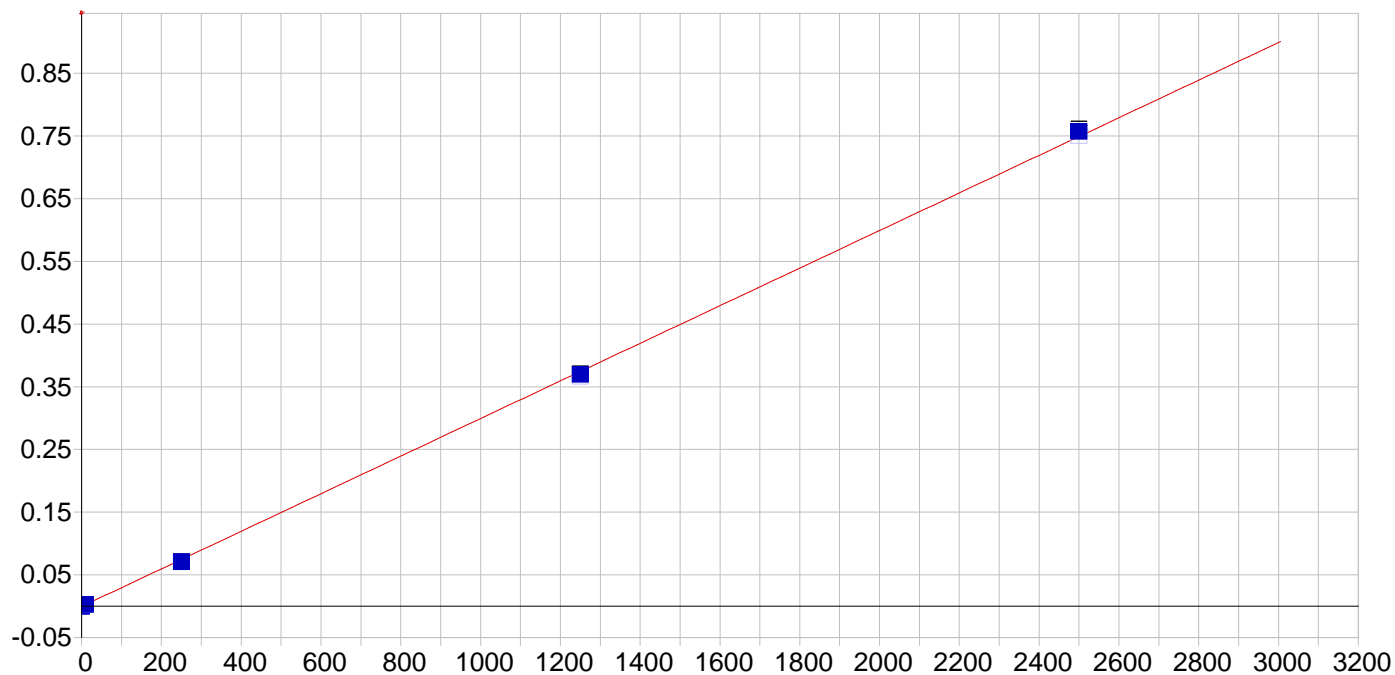
A0 (Offset): -0.000408 Re-Slope: 1.000000
 A1 (Gain): 0.000041 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999982 Status: OK.
 Std Error of Est: 0.000088
 Predicted MDL: 12.695850
 Predicted MQL: 42.319501

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.03014	-.030	.000	-.00041	.001	1
CAL2	200.00	233.21	33.2	16.6	.00907	.001	1
CAL3	25000.	24614.	-386.	-1.55	.99816	.006	1
CAL4	125000.	124680.	-320.	-.256	5.0577	.035	1
CAL5	250000.	250670.	673.	.269	10.169	.042	1



Std Error of Est: 0.000009
 Predicted MDL: 2.087115
 Predicted MQL: 6.957049

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00135	-.001	.000	-.00021	.000	1
CAL2	15.000	15.730	.730	4.87	.00105	.000	1
CAL3	500.00	483.24	-16.8	-3.35	.03800	.000	1
CAL4	2500.0	2465.3	-34.7	-1.39	.19472	.001	1
CAL5	5000.0	5049.4	49.4	.989	.39908	.001	1
CAL1	5.0000	6.2946	1.29	25.9	.00029	.000	1

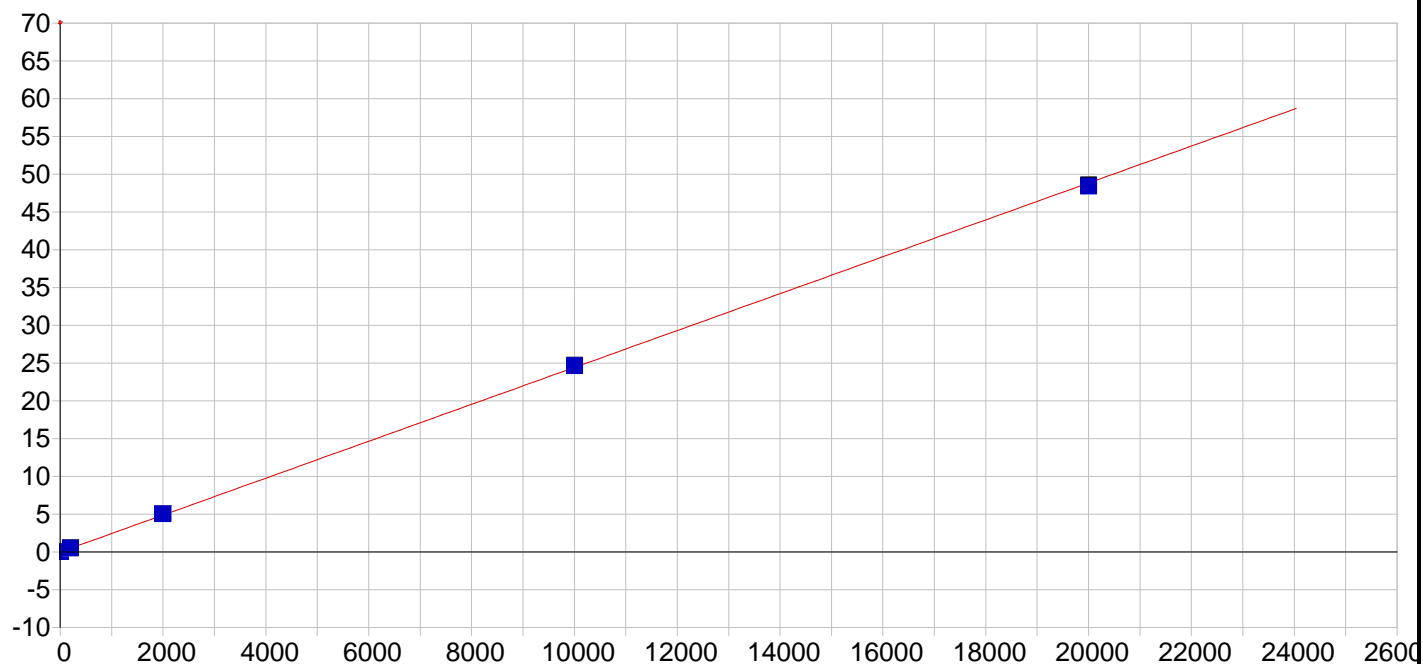


Ag 328.068 {103}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000473 Re-Slope: 1.000000
 A1 (Gain): 0.000300 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999873 Status: OK.
 Std Error of Est: 0.000039
 Predicted MDL: 0.478052
 Predicted MQL: 1.593508

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00055	.001	.000	-.00047	.000	1
CAL2	10.000	9.9212	-.079	-.788	.00248	.000	1
CAL3	250.00	238.64	-11.4	-4.54	.07045	.000	1
CAL4	1250.0	1234.5	-15.5	-1.24	.36651	.001	1
CAL5	2500.0	2527.0	27.0	1.08	.75091	.004	1

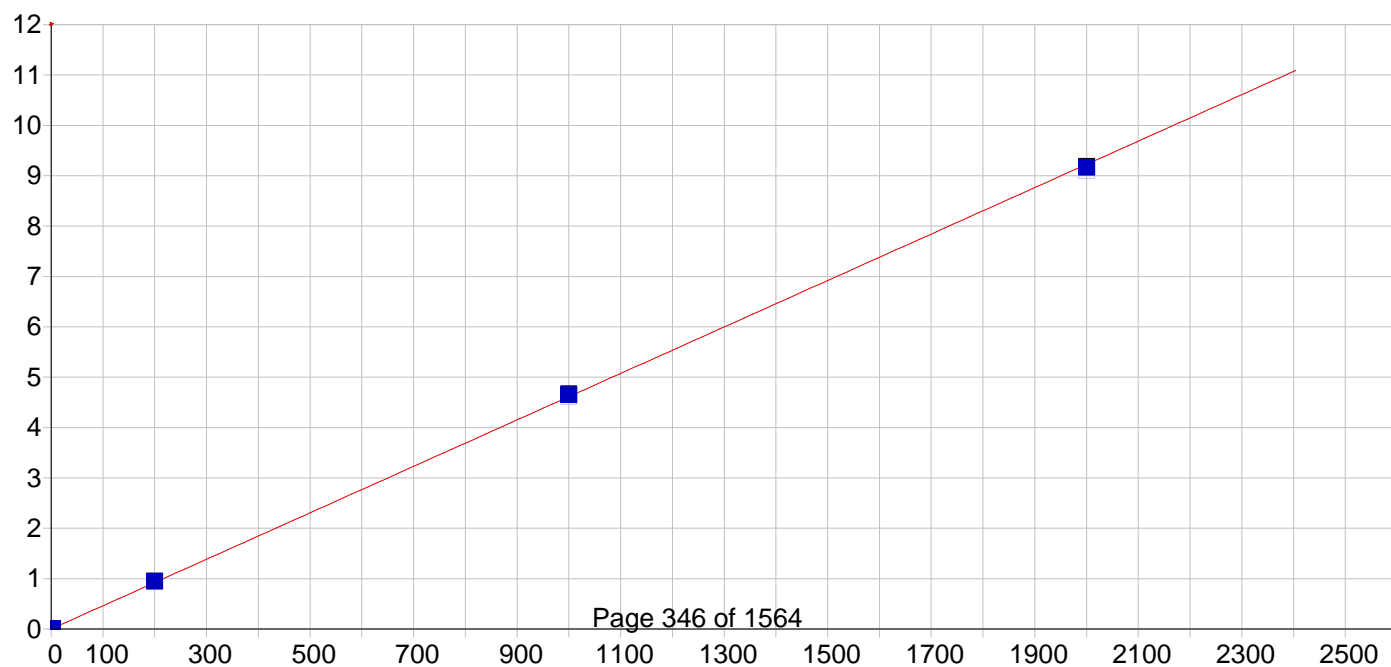


Ba 233.527 {445}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

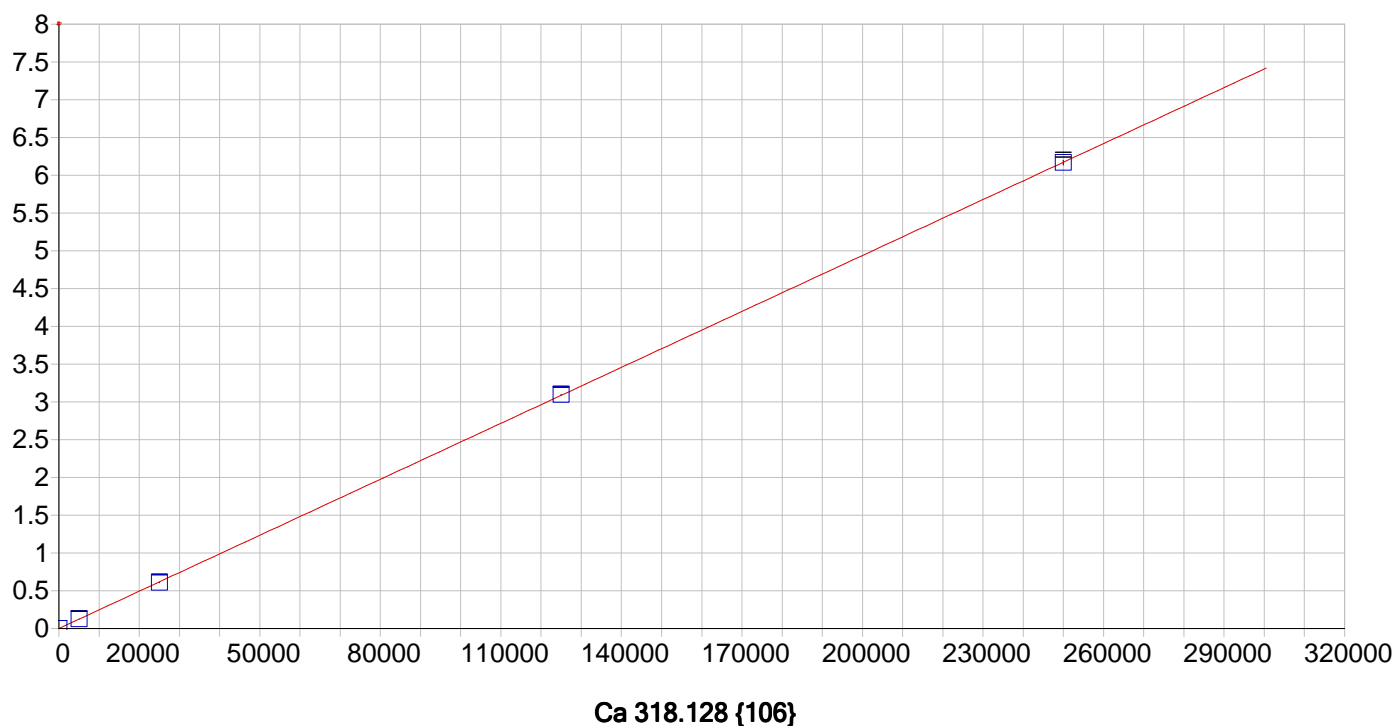
A0 (Offset): 0.000194 Re-Slope: 1.000000
 A1 (Gain): 0.002442 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999913 Status: OK.
 Std Error of Est: 0.003326
 Predicted MDL: 0.123715
 Predicted MQL: 0.412382

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.01944		-.019	.000	.00015	.000	1
CAL2	200.00		212.41		12.4	6.21	.51874	.004	1
CAL3	2000.0		2069.0		69.0	3.45	5.0451	.018	1
CAL4	10000.		10094.		93.9	.939	24.612	.049	1
CAL5	20000.		19825.		-175.	-.877	48.337	.135	1



Predicted MDL: 0.096244
Predicted MQL: 0.320812

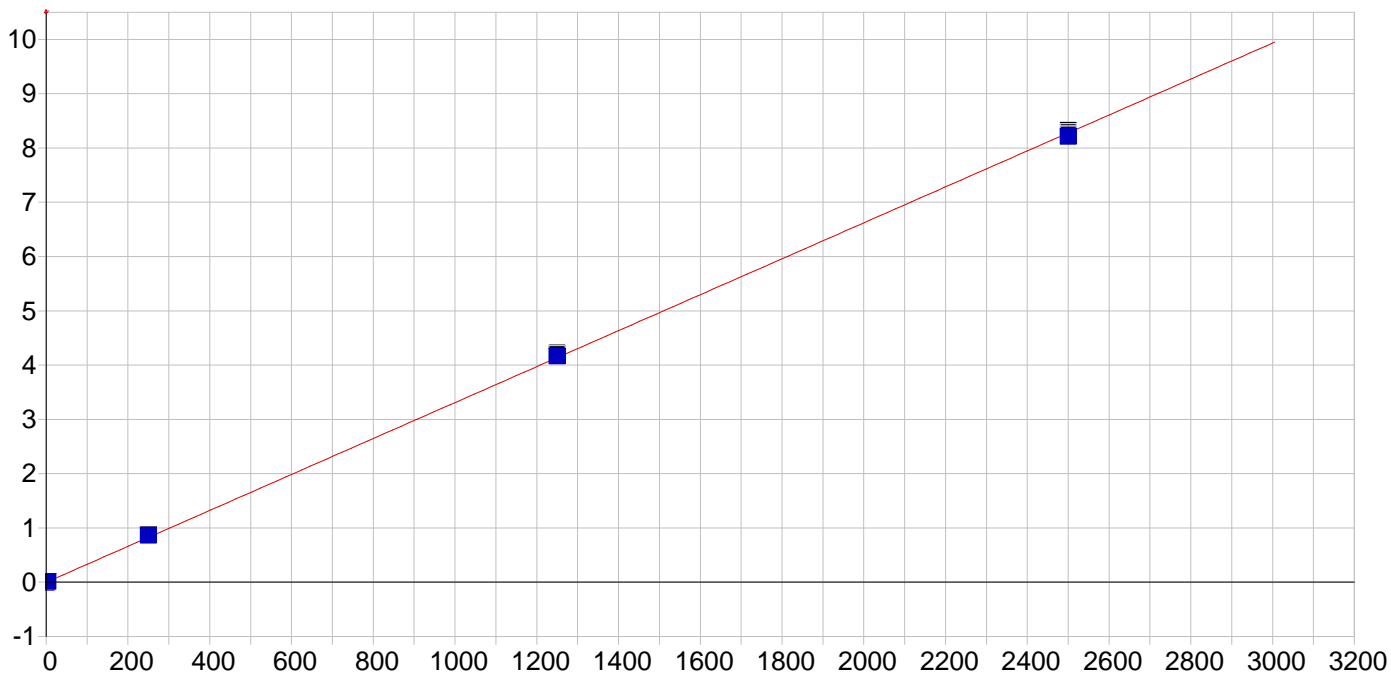
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00015	-.000	.000	.00033	.000	1
CAL2	2.0000	2.1001	.100	5.01	.00995	.000	1
CAL3	200.00	204.67	4.67	2.33	.93763	.001	1
CAL4	1000.0	1008.1	8.11	.811	4.6166	.016	1
CAL5	2000.0	1987.1	-12.9	-.644	9.0986	.018	1



Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000214 Re-Slope: 1.000000
A1 (Gain): 0.000025 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999993 Status: OK.
Std Error of Est: 0.000175
Predicted MDL: 5.116408
Predicted MQL: 17.054693

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.02312	-.023	.000	.00021	.000	1
CAL2	5000.0	5071.6	71.6	1.43	.12544	.001	1
CAL3	25000.	24696.	-304.	-1.22	.60997	.004	1
CAL4	125000.	125390.	386.	.309	3.0961	.006	1
CAL5	250000.	249850.	-153.	-.061	6.1691	.032	1

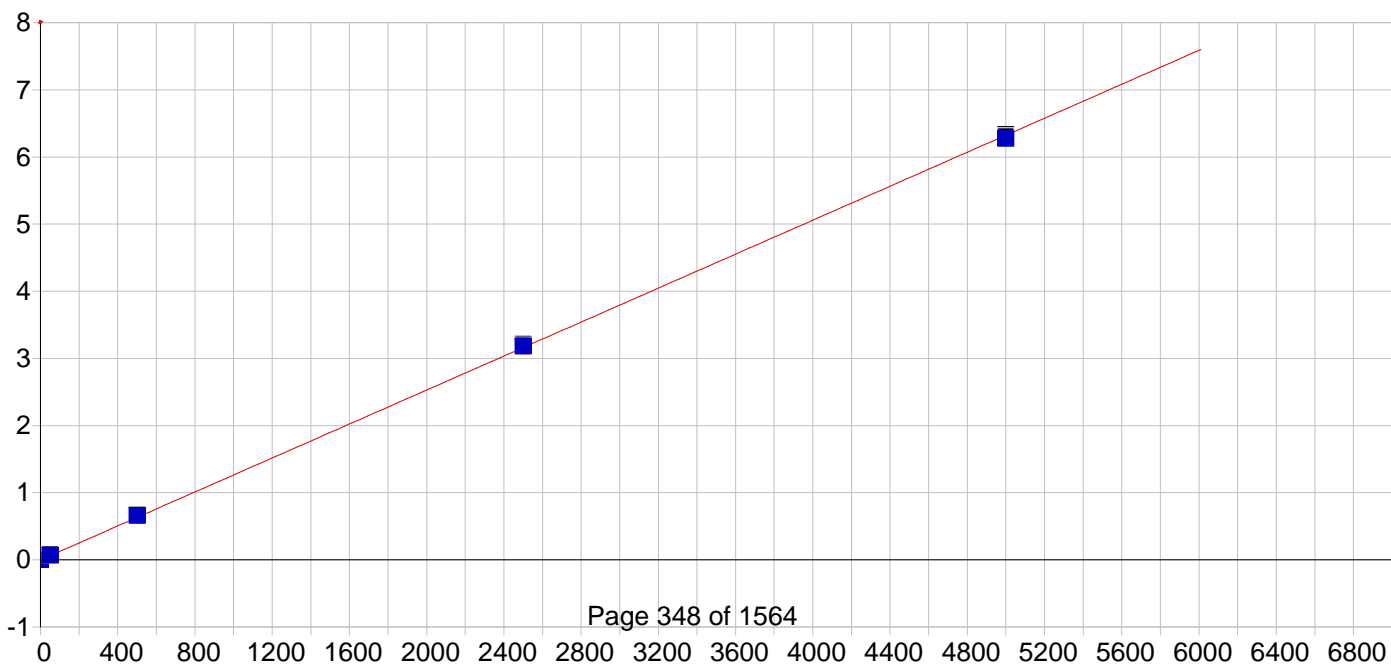


Cd 226.502 {449}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

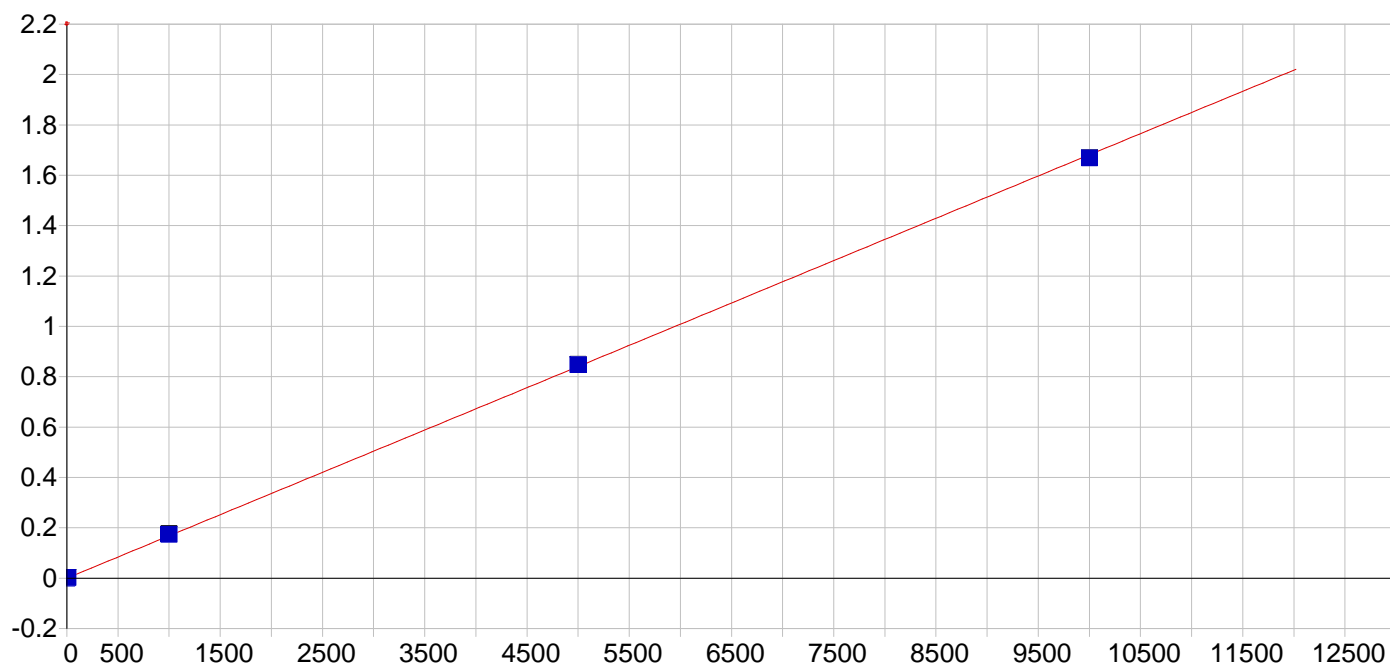
A0 (Offset): -0.001742 Re-Slope: 1.000000
 A1 (Gain): 0.003312 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999917 Status: OK.
 Std Error of Est: 0.000223
 Predicted MDL: 0.110790
 Predicted MQL: 0.369300

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00038		-.000	.000	-.00174	.000	1
CAL2	4.0000		4.2136		.214	5.34	.01228	.000	1
CAL3	250.00		260.69		10.7	4.28	.87060	.003	1
CAL4	1250.0		1258.5		8.55	.684	4.2112	.009	1
CAL5	2500.0		2480.5		-19.5	-.778	8.3031	.022	1



Predicted MDL: 0.243849
Predicted MQL: 0.812829

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00628		-.006	.000	-.00097	.000	1
CAL2	50.000		54.298		4.30	8.60	.06773	.000	1
CAL3	500.00		520.81		20.8	4.16	.66207	.002	1
CAL4	2500.0		2515.2		15.2	.606	3.2018	.005	1
CAL5	5000.0		4959.8		-40.2	-.805	6.3153	.015	1

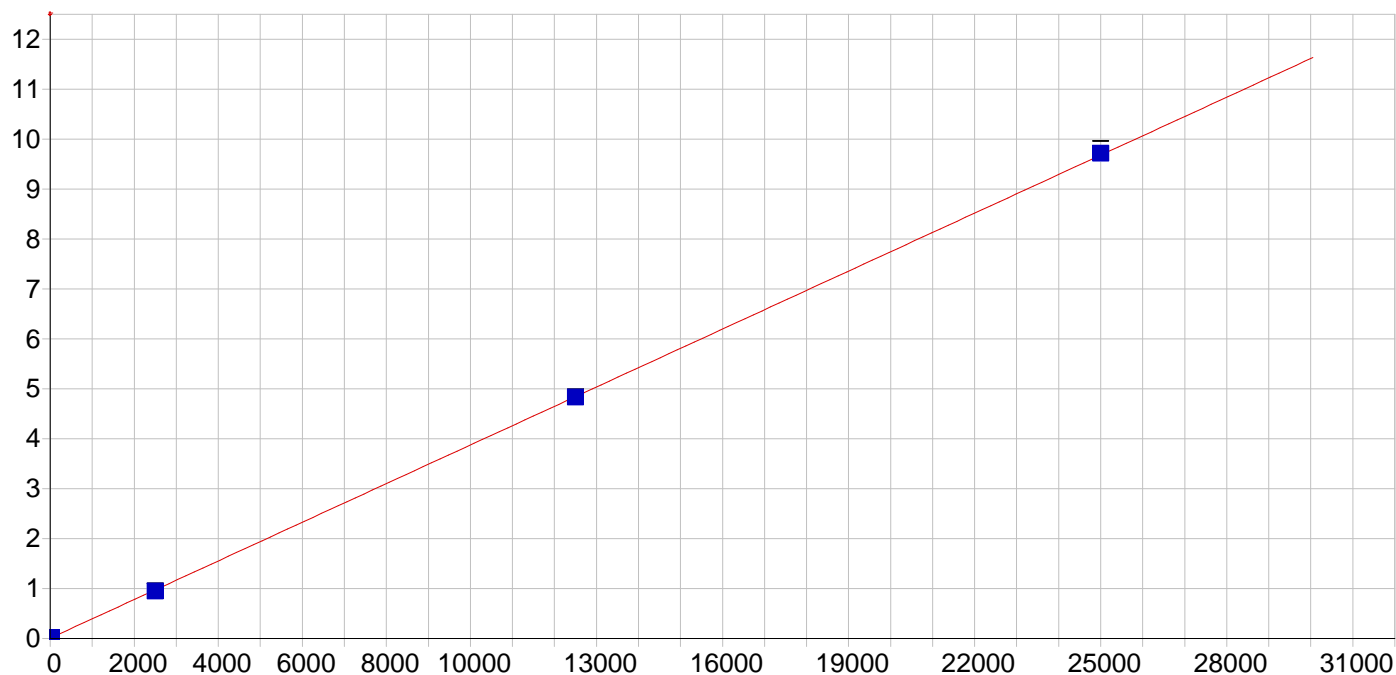


Cr 267.716 {126}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000038 Re-Slope: 1.000000
A1 (Gain): 0.000168 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999932 Status: OK.
Std Error of Est: 0.000032
Predicted MDL: 0.506248
Predicted MQL: 1.687493

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00080		-.001	.000	-.00004	.000	1
CAL2	10.000		10.451		.451	4.51	.00173	.000	1
CAL3	1000.0		1034.6		34.6	3.46	.17393	.001	1
CAL4	5000.0		5042.7		42.7	.855	.84790	.001	1
CAL5	10000.		9922.2		-77.8	-.778	1.6684	.001	1

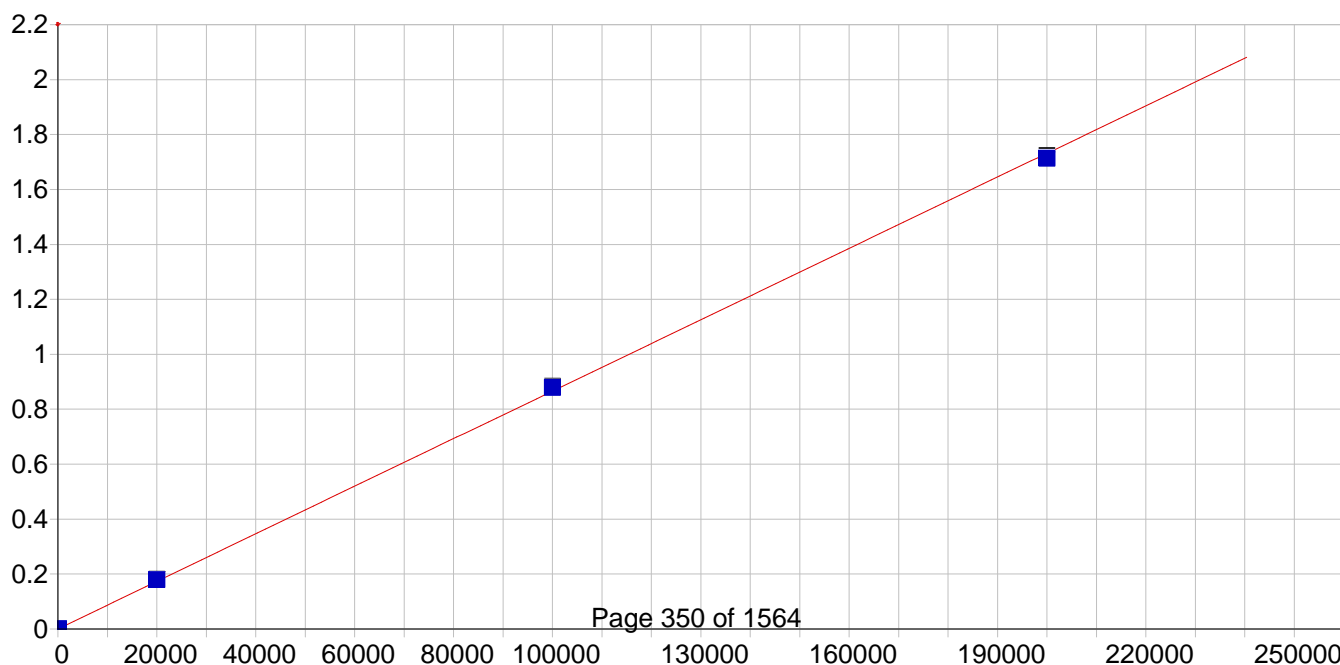


Cu 324.754 {104}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

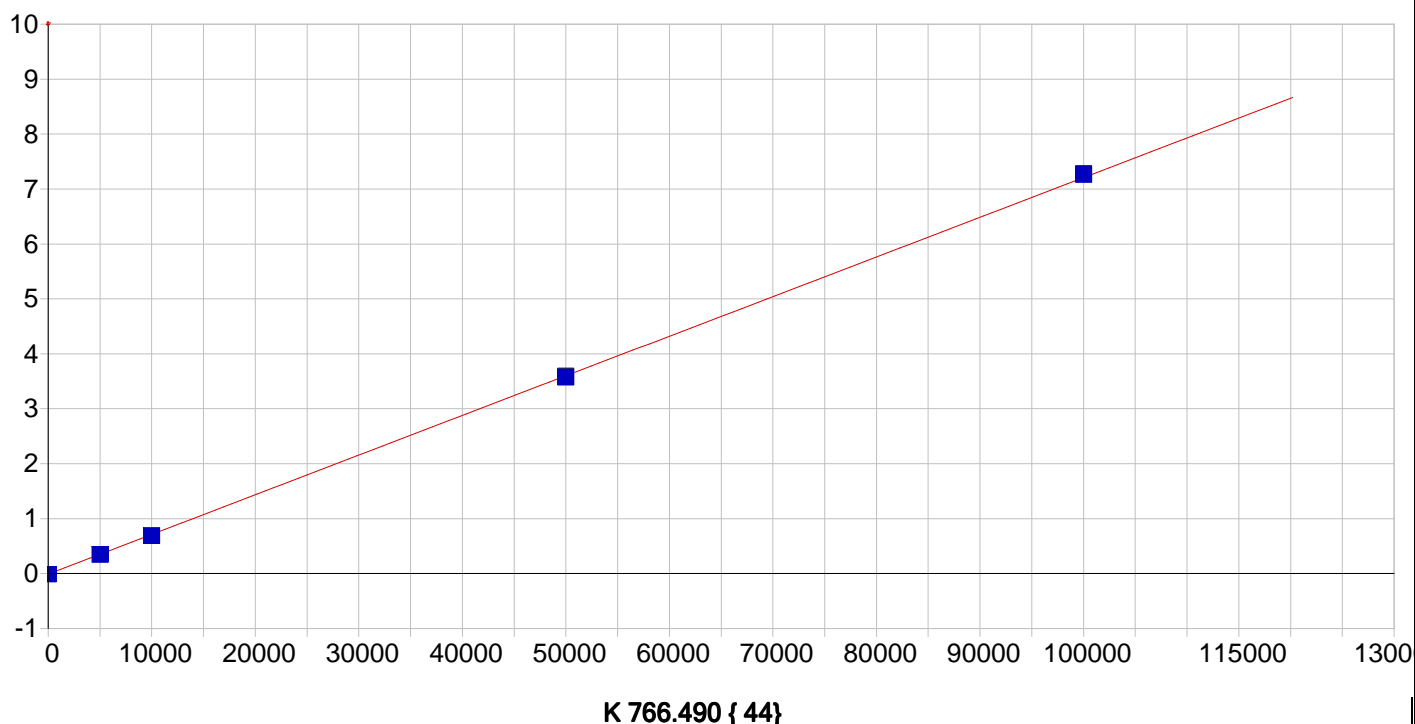
A0 (Offset): 0.006530 Re-Slope: 1.000000
 A1 (Gain): 0.000387 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999970 Status: OK.
 Std Error of Est: 0.000122
 Predicted MDL: 0.290191
 Predicted MQL: 0.967302

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00056		.001	.000	.00653	.000	1
CAL2	25.000		25.100		.100	.400	.01623	.000	1
CAL3	2500.0		2429.2		-70.8	-2.83	.94592	.003	1
CAL4	12500.		12477.		-23.0	-.184	4.8314	.005	1
CAL5	25000.		25094.		93.7	.375	9.7104	.093	1



Predicted MDL: 9.749069
 Predicted MQL: 32.496898

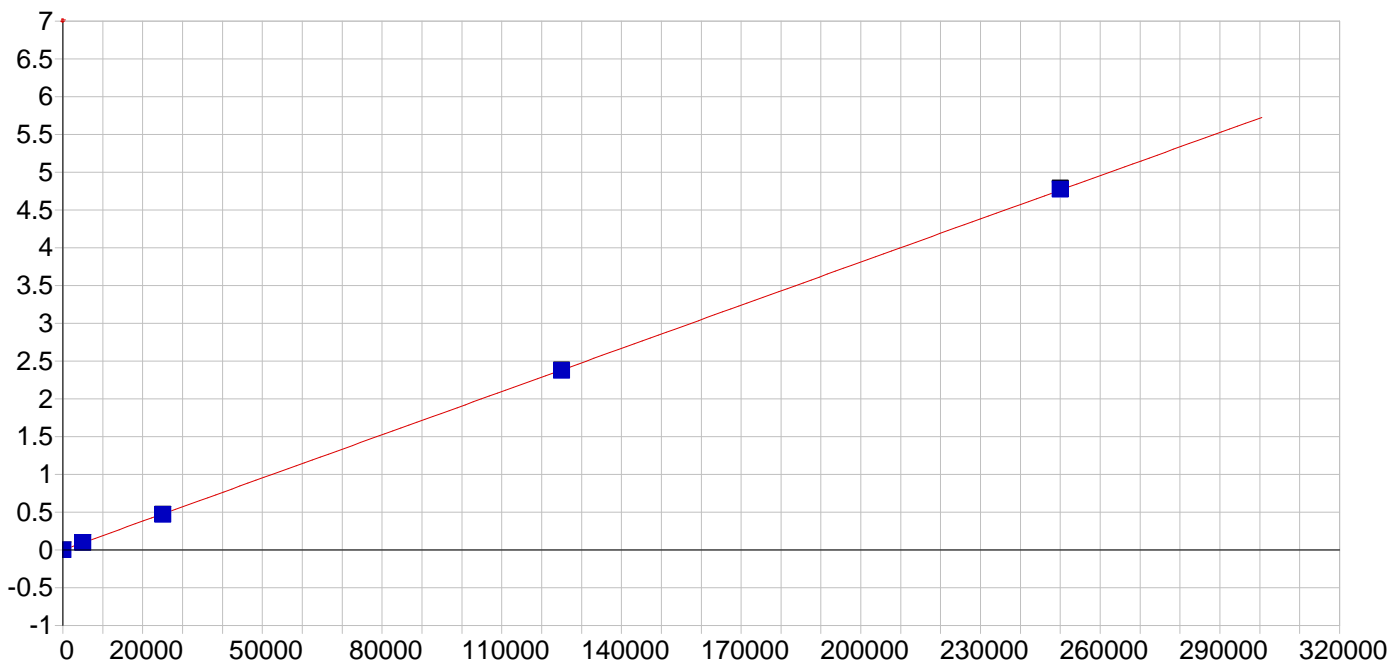
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.03171	-.032	.000	.00022	.000	1
CAL2	150.00	175.83	25.8	17.2	.00177	.000	1
CAL3	20000.	20707.	707.	3.54	.17986	.001	1
CAL4	100000.	101500.	1500.	1.50	.88072	.002	1
CAL5	200000.	197770.	-2230.	-1.11	1.7160	.006	1



Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.009306 Re-Slope: 1.000000
 A1 (Gain): 0.000072 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999939 Status: OK.
 Std Error of Est: 0.000934
 Predicted MDL: 29.494511
 Predicted MQL: 98.315037

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.22290	.223	.000	-.00929	.002	1
CAL2	5000.0	4937.5	-62.5	-1.25	.34705	.001	1
CAL3	10000.	9680.2	-320.	-3.20	.68960	.002	1
CAL4	50000.	49607.	-393.	-.787	3.5723	.017	1
CAL5	100000.	100780.	776.	.776	7.2666	.009	1

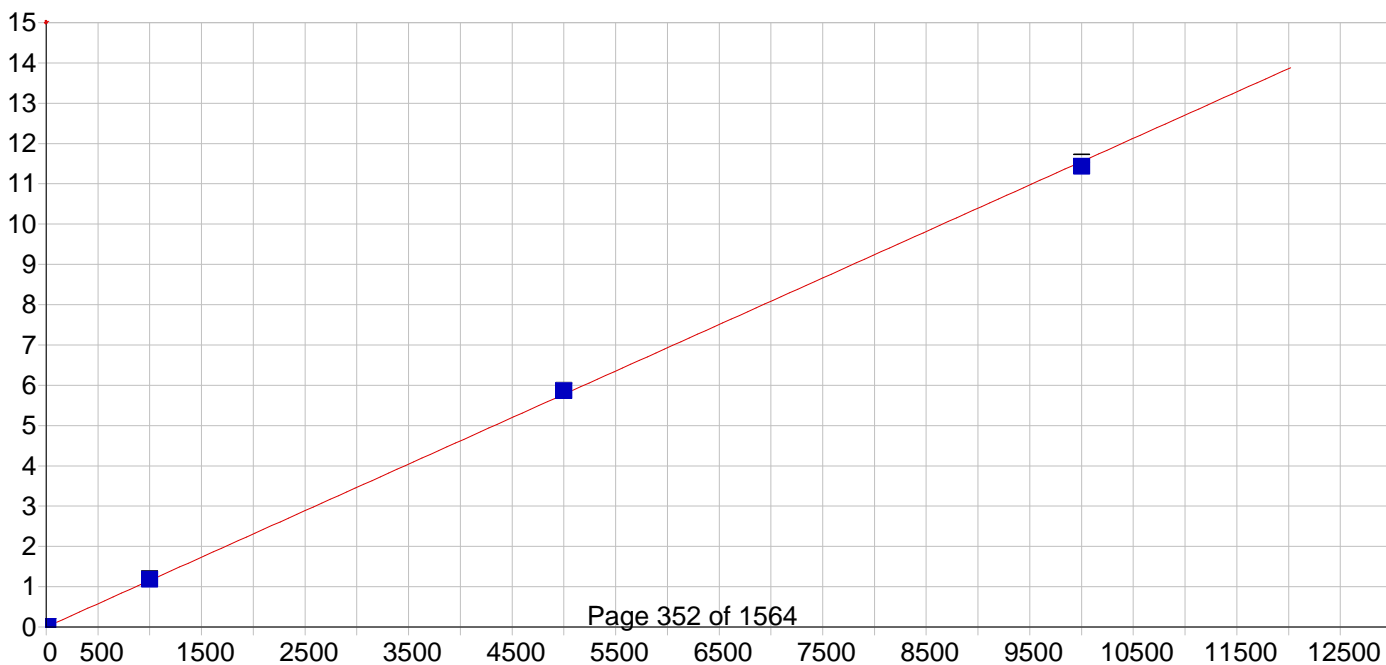


Mg 279.079 {121}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

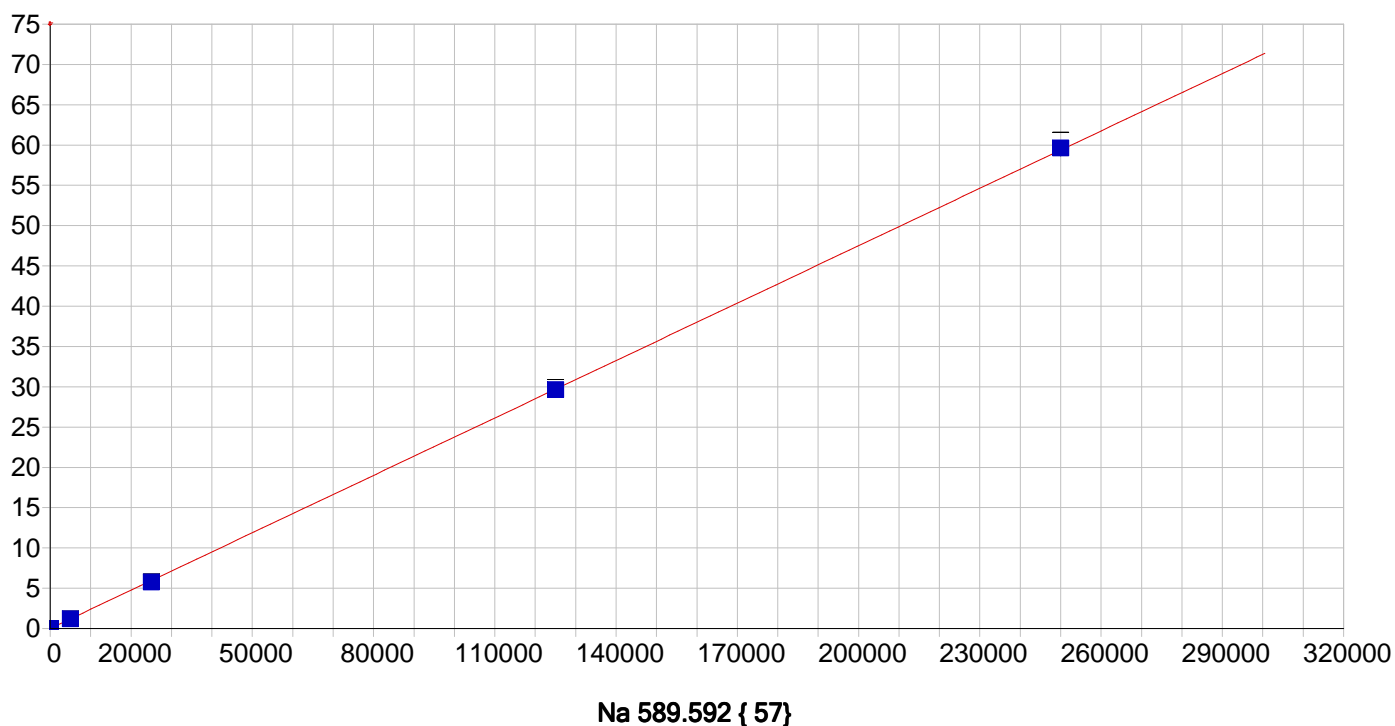
A0 (Offset): -0.000024 Re-Slope: 1.000000
 A1 (Gain): 0.000019 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999989 Status: OK.
 Std Error of Est: 0.000164
 Predicted MDL: 4.974129
 Predicted MQL: 16.580431

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.03587		.036	.000	-.00002	.000	1
CAL2	5000.0		5042.0		42.0	.839	.09605	.000	1
CAL3	25000.		24604.		-396.	-1.59	.46849	.001	1
CAL4	125000.		124720.		-283.	-.227	2.3749	.001	1
CAL5	250000.		250640.		638.	.255	4.7727	.011	1



Predicted MDL: 0.067041
Predicted MQL: 0.223472

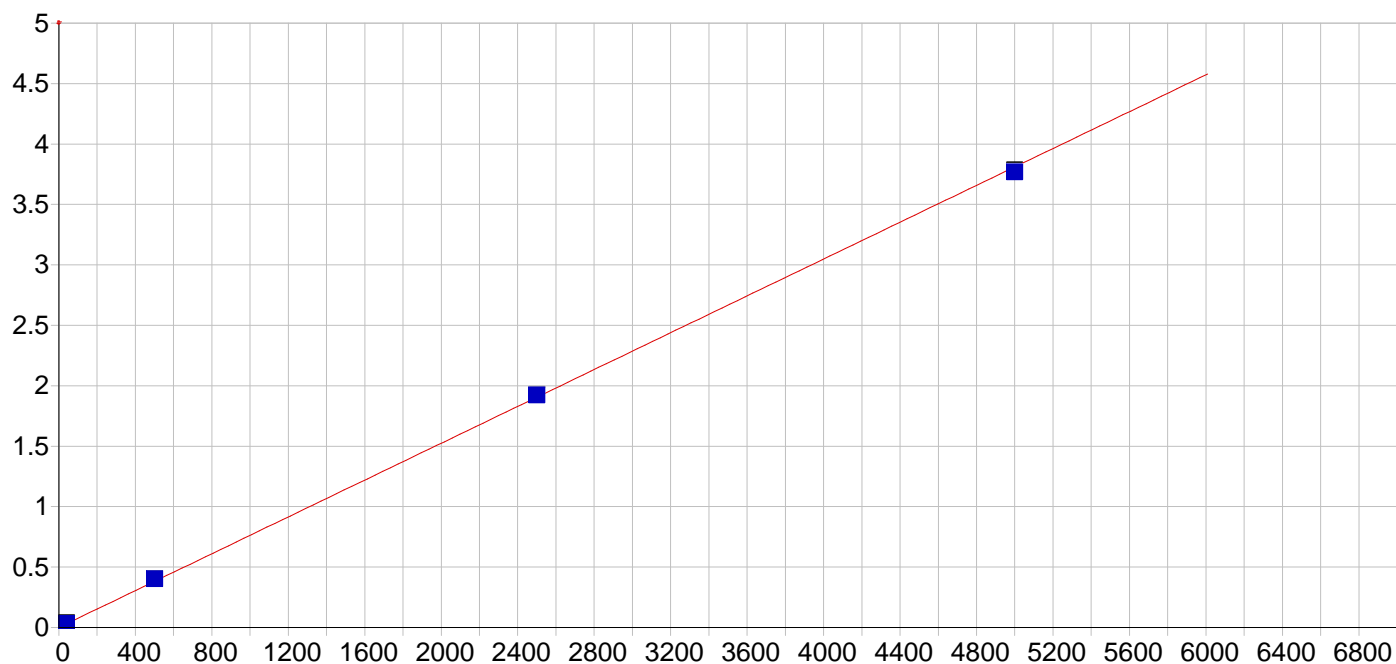
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00167		-.002	.000	.00023	.000	1
CAL2	15.000		16.203		1.20	8.02	.01895	.000	1
CAL3	1000.0		1026.7		26.7	2.67	1.1867	.007	1
CAL4	5000.0		5073.3		73.3	1.47	5.8627	.012	1
CAL5	10000.		9898.7		-101.	-1.01	11.439	.095	1



Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.009100 Re-Slope: 1.000000
A1 (Gain): 0.000237 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999968 Status: OK.
Std Error of Est: 0.003487
Predicted MDL: 8.027087
Predicted MQL: 26.756955

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.08767		.088	.000	.00912	.002	1
CAL2	5000.0		5049.5		49.5	.991	1.2083	.010	1
CAL3	25000.		24276.		-724.	-2.90	5.7761	.028	1
CAL4	125000.		124710.		-292.	-.234	29.635	.289	1
CAL5	250000.		250970.		967.	.387	59.629	.964	1

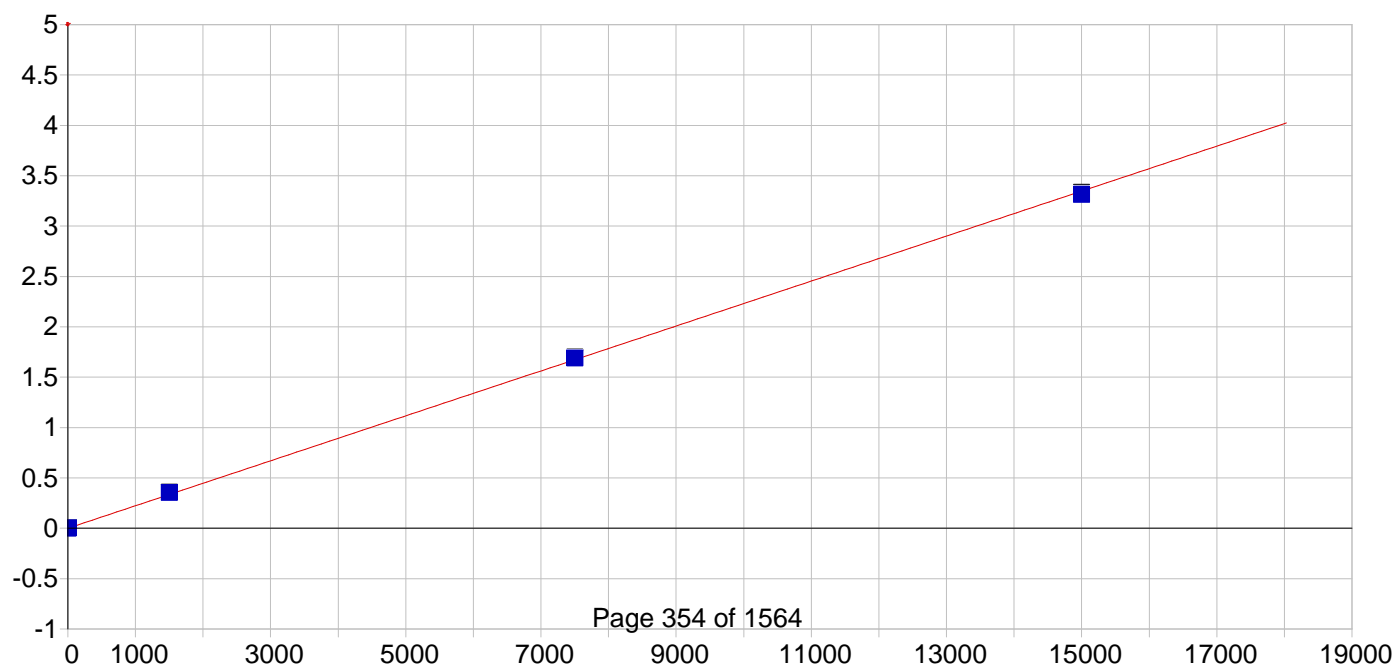


Ni 231.604 {446}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

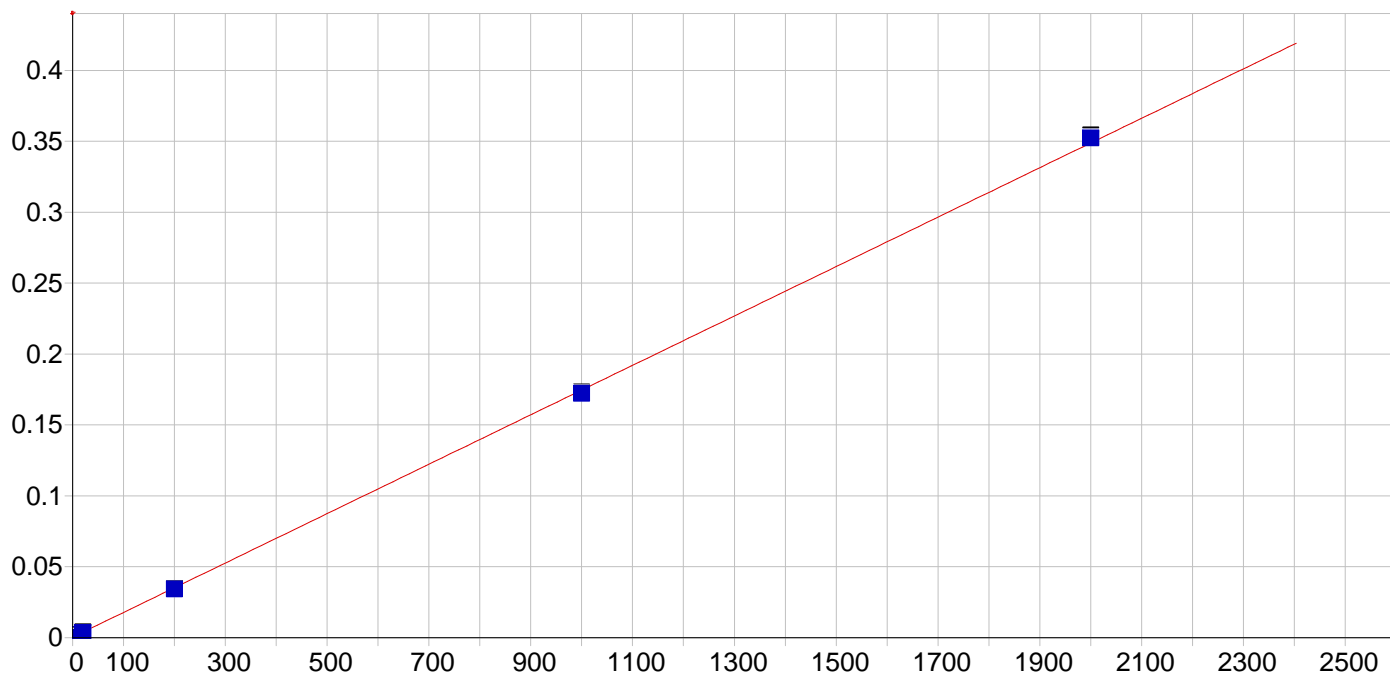
A0 (Offset): 0.000443 Re-Slope: 1.000000
 A1 (Gain): 0.000762 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999829 Status: OK.
 Std Error of Est: 0.000326
 Predicted MDL: 0.461942
 Predicted MQL: 1.539808

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00581		-.006	.000	.00044	.000	1
CAL2	40.000		43.597		3.60	8.99	.03367	.000	1
CAL3	500.00		528.64		28.6	5.73	.40374	.002	1
CAL4	2500.0		2522.3		22.3	.891	1.9248	.003	1
CAL5	5000.0		4945.5		-54.5	-1.09	3.7736	.011	1



Predicted MDL: 1.477463
Predicted MQL: 4.924876

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00282	-.003	.000	.00012	.000	1
CAL2	10.000	11.870	1.87	18.7	.00278	.000	1
CAL3	1500.0	1581.6	81.6	5.44	.35422	.002	1
CAL4	7500.0	7564.3	64.3	.858	1.6939	.004	1
CAL5	15000.	14851.	-149.	-.996	3.3257	.009	1
CAL1	5.0000	6.6155	1.62	32.3	.00160	.000	1

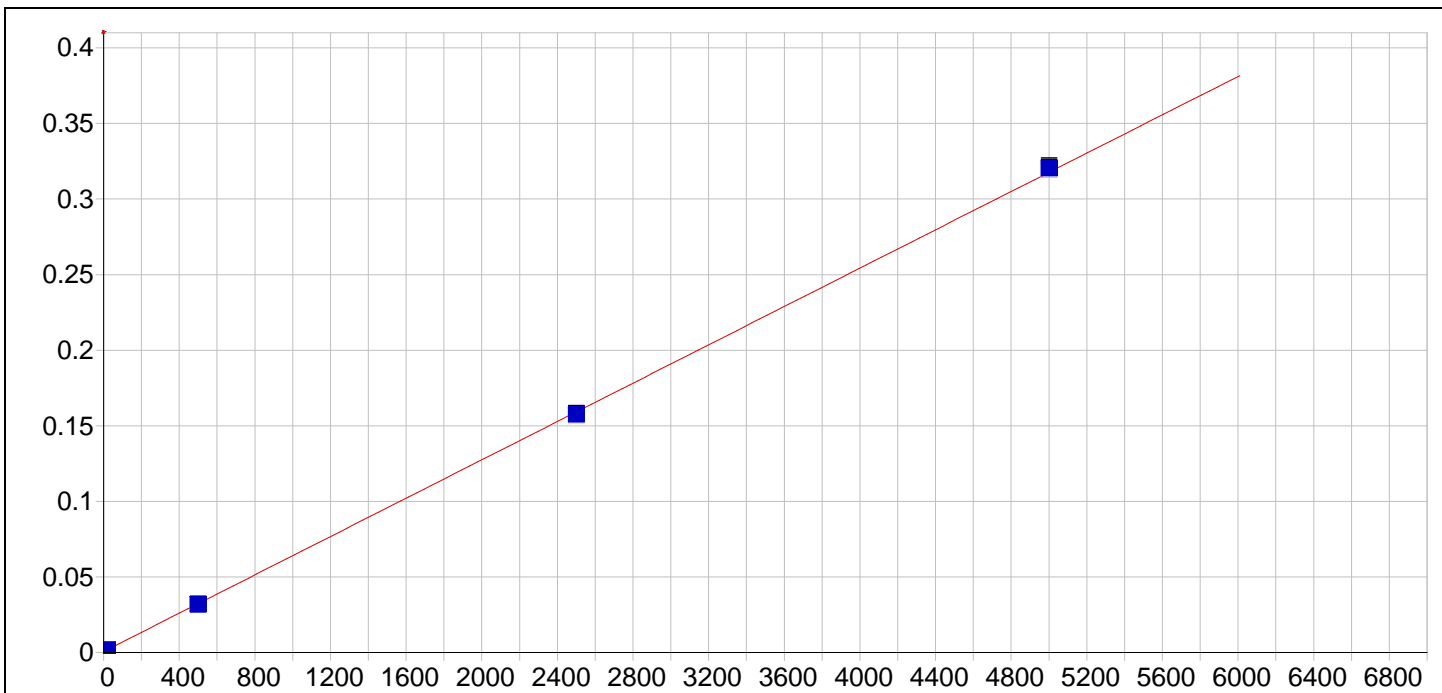


Sb 206.833 {463}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000387 Re-Slope: 1.000000
A1 (Gain): 0.000174 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999881 Status: OK.
Std Error of Est: 0.000019
Predicted MDL: 1.471977
Predicted MQL: 4.906591

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00071	.001	.000	.00039	.000	1
CAL2	20.000	18.088	-1.91	-9.56	.00343	.000	1
CAL3	200.00	194.23	-5.77	-2.88	.03428	.000	1
CAL4	1000.0	986.61	-13.4	-1.34	.17255	.001	1
CAL5	2000.0	2020.4	20.4	1.02	.35294	.001	1
CAL1	10.000	10.570	.570	5.70	.00223	.000	1

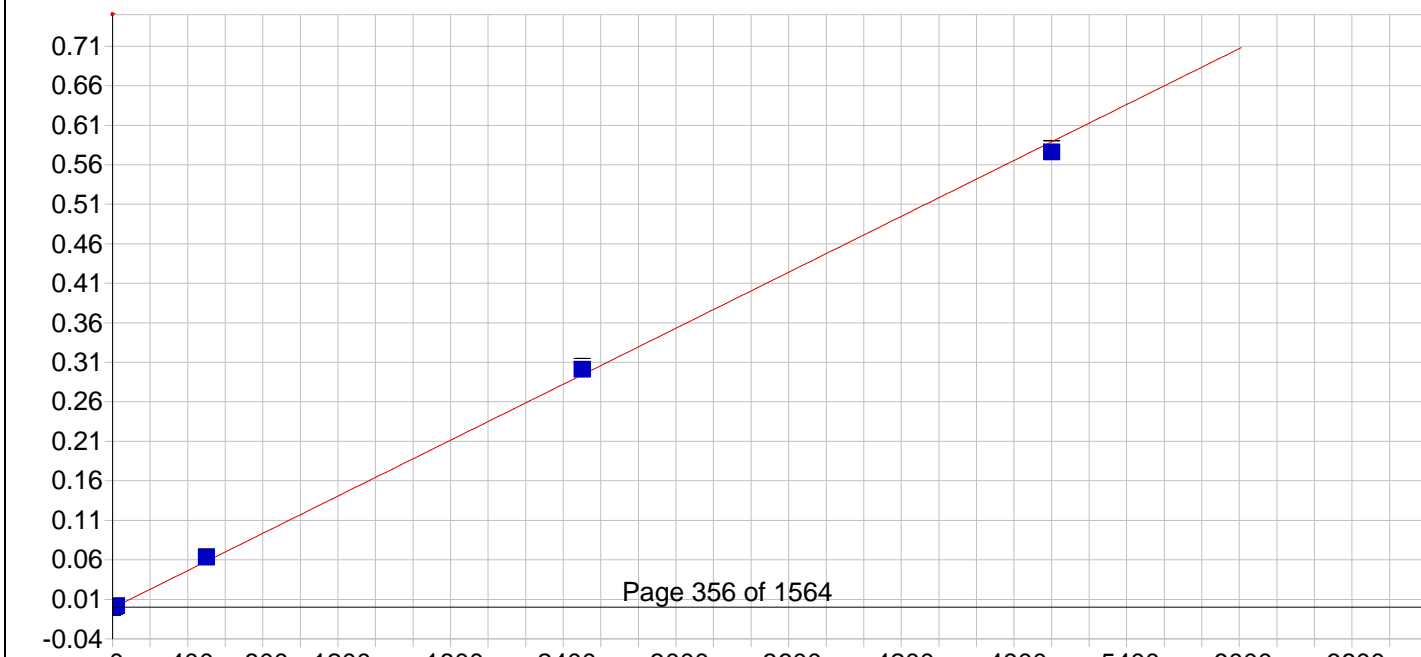


Se 196.090 {472}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

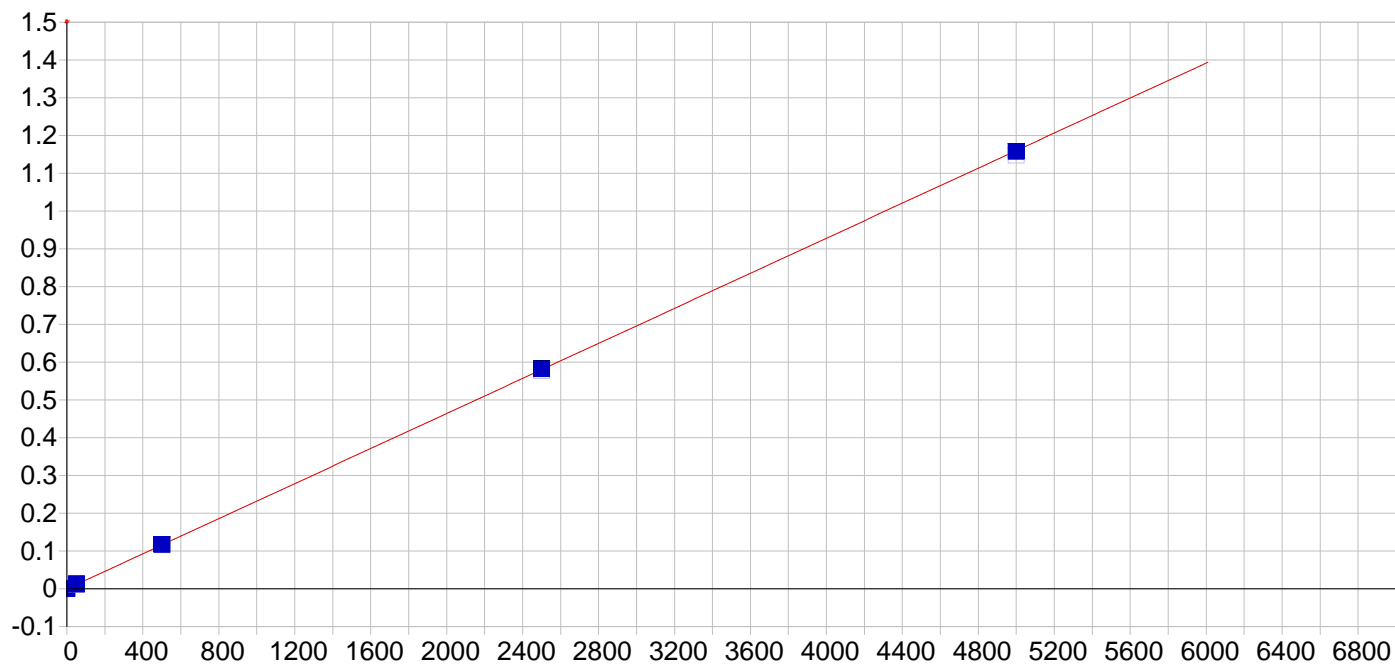
A0 (Offset): 0.000629 Re-Slope: 1.000000
 A1 (Gain): 0.000063 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999720 Status: OK.
 Std Error of Est: 0.000012
 Predicted MDL: 3.192960
 Predicted MQL: 10.643199

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00485		.005	.000	.00063	.000	1
CAL2	20.000		17.035		-2.96	-14.8	.00171	.000	1
CAL3	500.00		491.17		-8.83	-1.77	.03166	.000	1
CAL4	2500.0		2473.4		-26.6	-1.06	.15692	.001	1
CAL5	5000.0		5042.4		42.4	.848	.31927	.002	1
CAL1	5.0000		.98570		-4.01	-80.3	.00069	.000	1



Std Error of Est: 0.000042
 Predicted MDL: 1.909618
 Predicted MQL: 6.365393

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00453	-.005	.000	-.00086	.000	1
CAL2	20.000	22.995	3.00	15.0	.00185	.000	1
CAL3	500.00	543.51	43.5	8.70	.06323	.000	1
CAL4	2500.0	2560.5	60.5	2.42	.30104	.004	1
CAL5	5000.0	4890.9	-109.	-2.18	.57580	.004	1
CAL1	10.000	12.141	2.14	21.4	.00057	.000	1

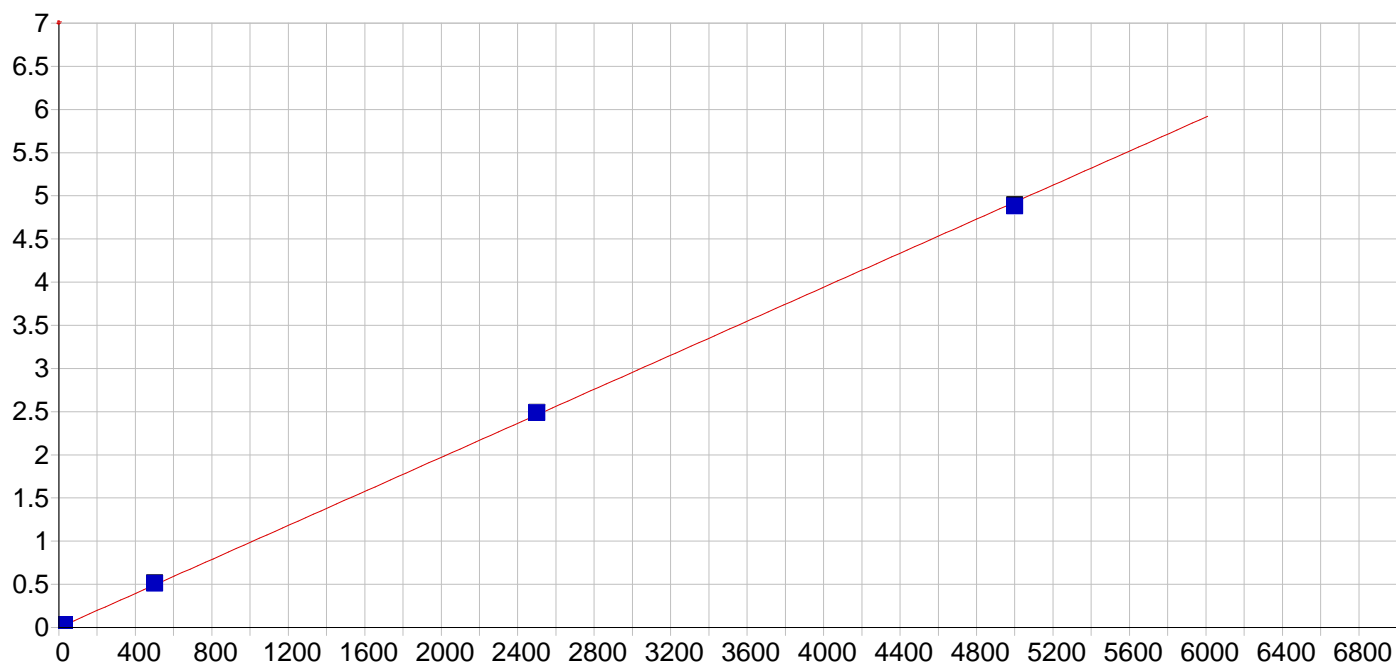


V 292.402 {115}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000007 Re-Slope: 1.000000
 A1 (Gain): 0.000232 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999994 Status: OK.
 Std Error of Est: 0.000021
 Predicted MDL: 0.412057
 Predicted MQL: 1.373522

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00135	-.001	.000	.00001	.000	1
CAL2	50.000	50.997	.997	1.99	.01180	.000	1
CAL3	500.00	503.14	3.14	.627	.11581	.000	1
CAL4	2500.0	2508.4	8.37	.335	.57733	.001	1
CAL5	5000.0	4987.5	-12.5	-2.50	1.1479	.000	1

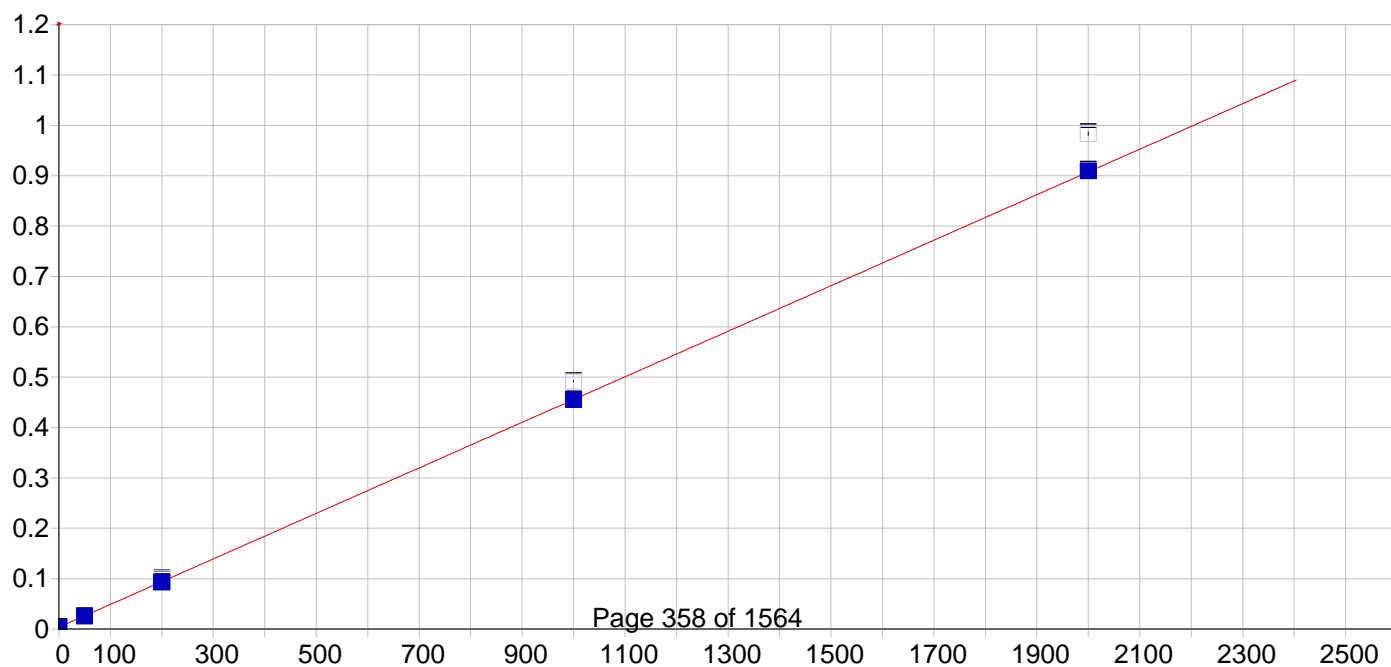


Zn 206.200 {463}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

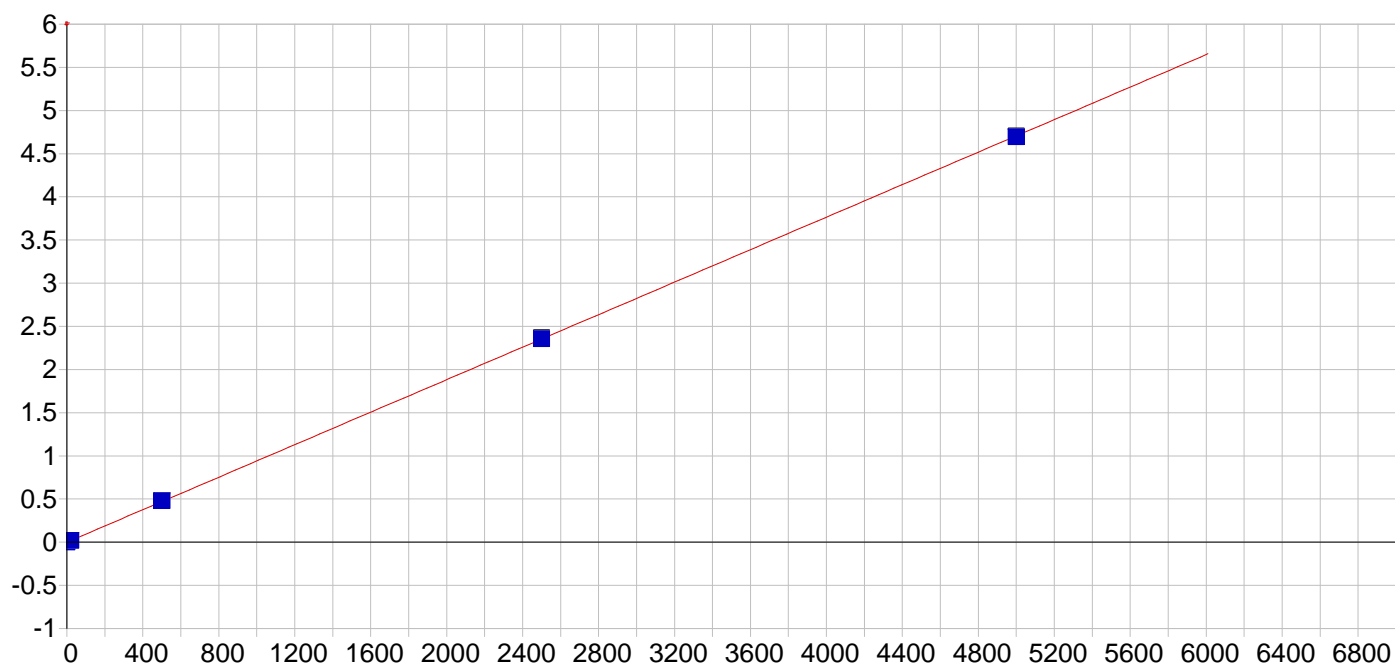
A0 (Offset): 0.000108 Re-Slope: 1.000000
 A1 (Gain): 0.000985 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999907 Status: OK.
 Std Error of Est: 0.000269
 Predicted MDL: 0.210381
 Predicted MQL: 0.701271

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00314		-.003	.000	.00010	.000	1
CAL2	30.000		31.993		1.99	6.64	.03162	.000	1
CAL3	500.00		518.59		18.6	3.72	.51064	.002	1
CAL4	2500.0		2525.1		25.1	1.00	2.4860	.002	1
CAL5	5000.0		4954.3		-45.7	-.914	4.8773	.013	1



Predicted MDL: 0.539238
Predicted MQL: 1.797460

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00258		.003	.000	.00362	.001	1
CAL2	50.000		47.868		-2.13	-4.26	.02555	.000	1
CAL3	200.00		197.89		-2.11	-1.05	.10043	.001	1
CAL4	1000.0		999.06		-.941	-.094	.49203	.001	1
CAL5	2000.0		2005.0		5.04	.252	.98357	.003	1

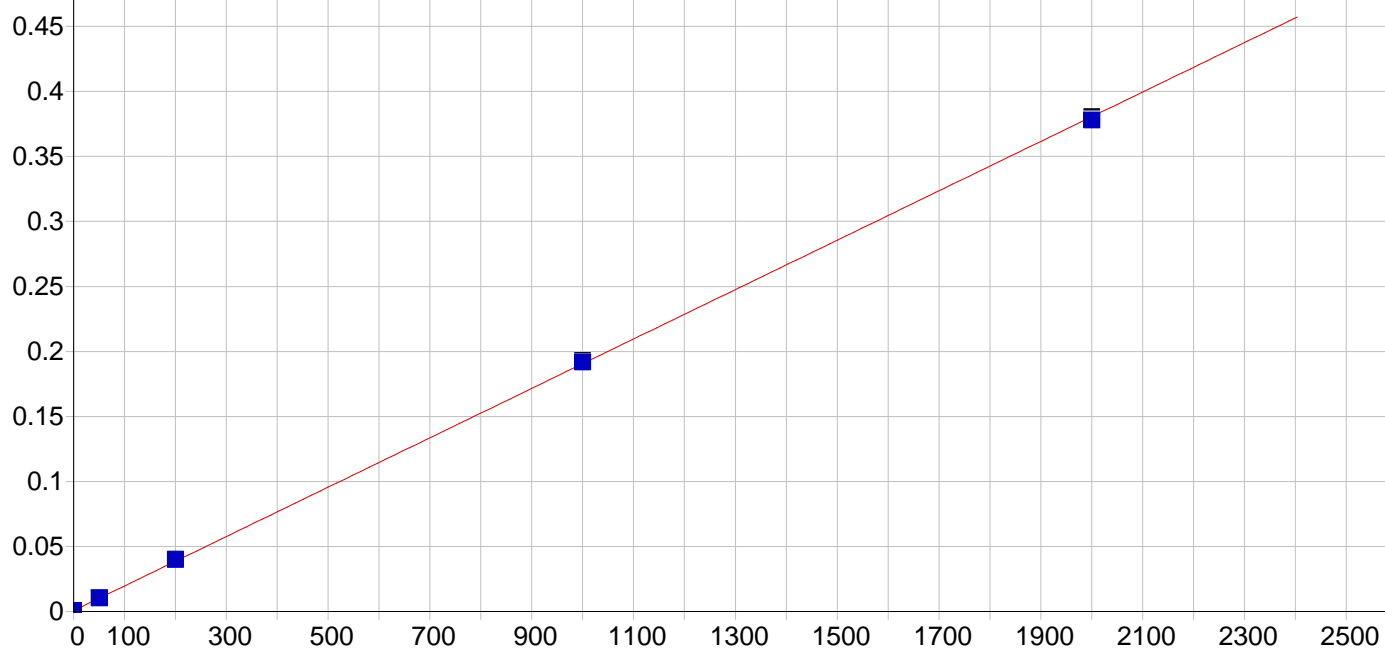


Mo 202.030 {467}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000272 Re-Slope: 1.000000
A1 (Gain): 0.000941 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999989 Status: OK.
Std Error of Est: 0.000071
Predicted MDL: 0.228465
Predicted MQL: 0.761550

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00064		-.001	.000	-.00027	.000	1
CAL2	20.000		20.344		.344	1.72	.01888	.000	1
CAL3	500.00		507.88		7.88	1.58	.47768	.002	1
CAL4	2500.0		2504.3		4.31	.172	2.3565	.007	1
CAL5	5000.0		4987.5		-12.5	-.251	4.6933	.007	1

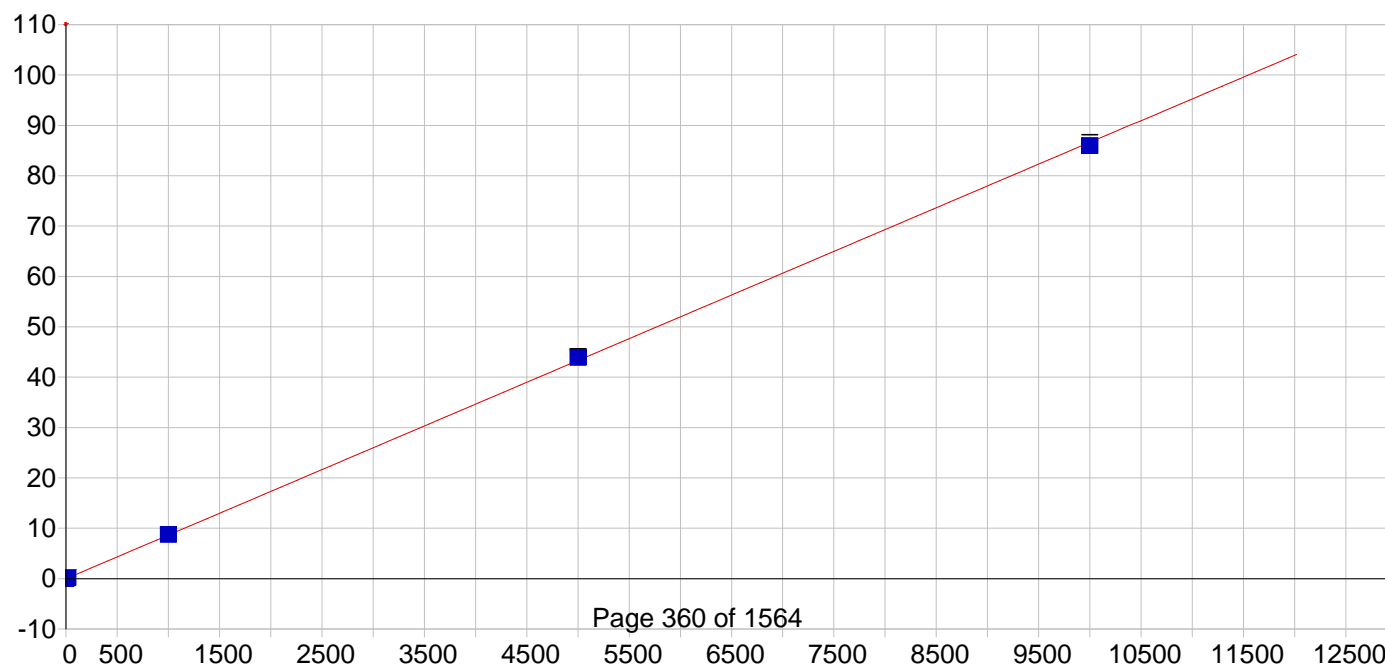


Sn 189.989 {477}

Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

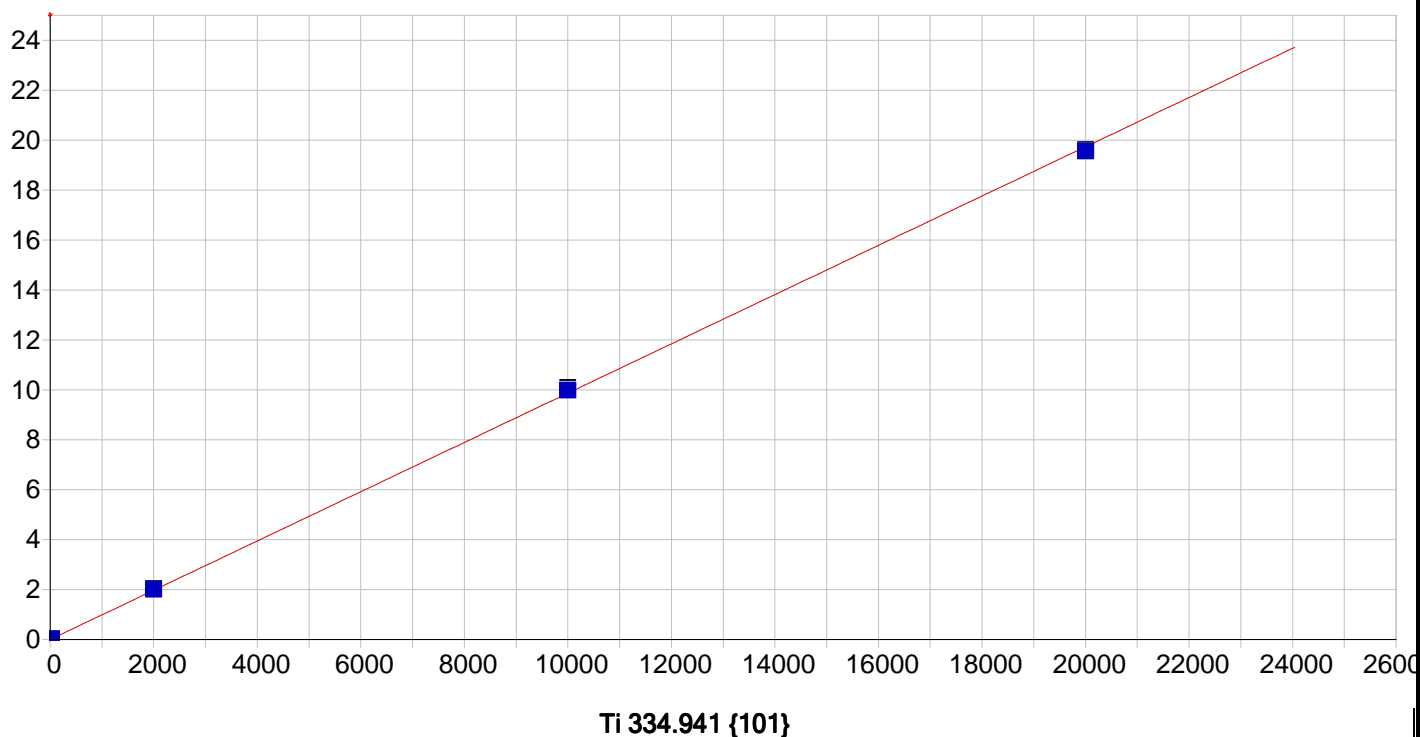
A0 (Offset): 0.000671 Re-Slope: 1.000000
 A1 (Gain): 0.000190 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999947 Status: OK.
 Std Error of Est: 0.000032
 Predicted MDL: 0.817908
 Predicted MQL: 2.726361

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00284	-.003	.000	.00067	.000	1
CAL2	50.000	51.359	1.36	2.72	.01043	.000	1
CAL3	200.00	206.09	6.09	3.04	.03987	.000	1
CAL4	1000.0	1005.8	5.80	.580	.19197	.001	1
CAL5	2000.0	1986.8	-13.2	-.662	.37856	.002	1



Predicted MDL: 0.099946
 Predicted MQL: 0.333152

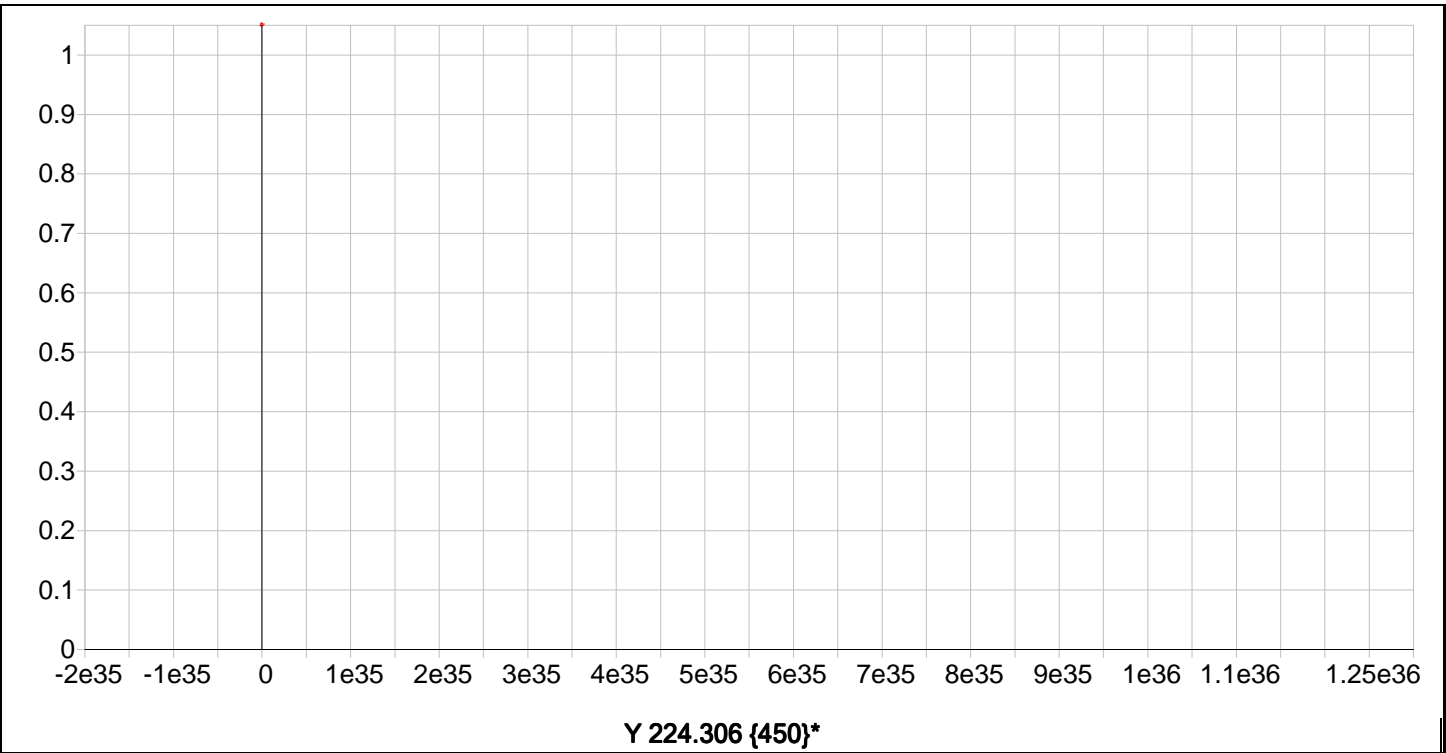
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00128		-.001	.000	-.00228	.000	1
CAL2	20.000		21.007		1.01	5.03	.17994	.000	1
CAL3	1000.0		1007.8		7.77	.777	8.7312	.031	1
CAL4	5000.0		5068.4		68.4	1.37	43.921	.139	1
CAL5	10000.		9922.8		-77.2	-.772	85.991	.620	1



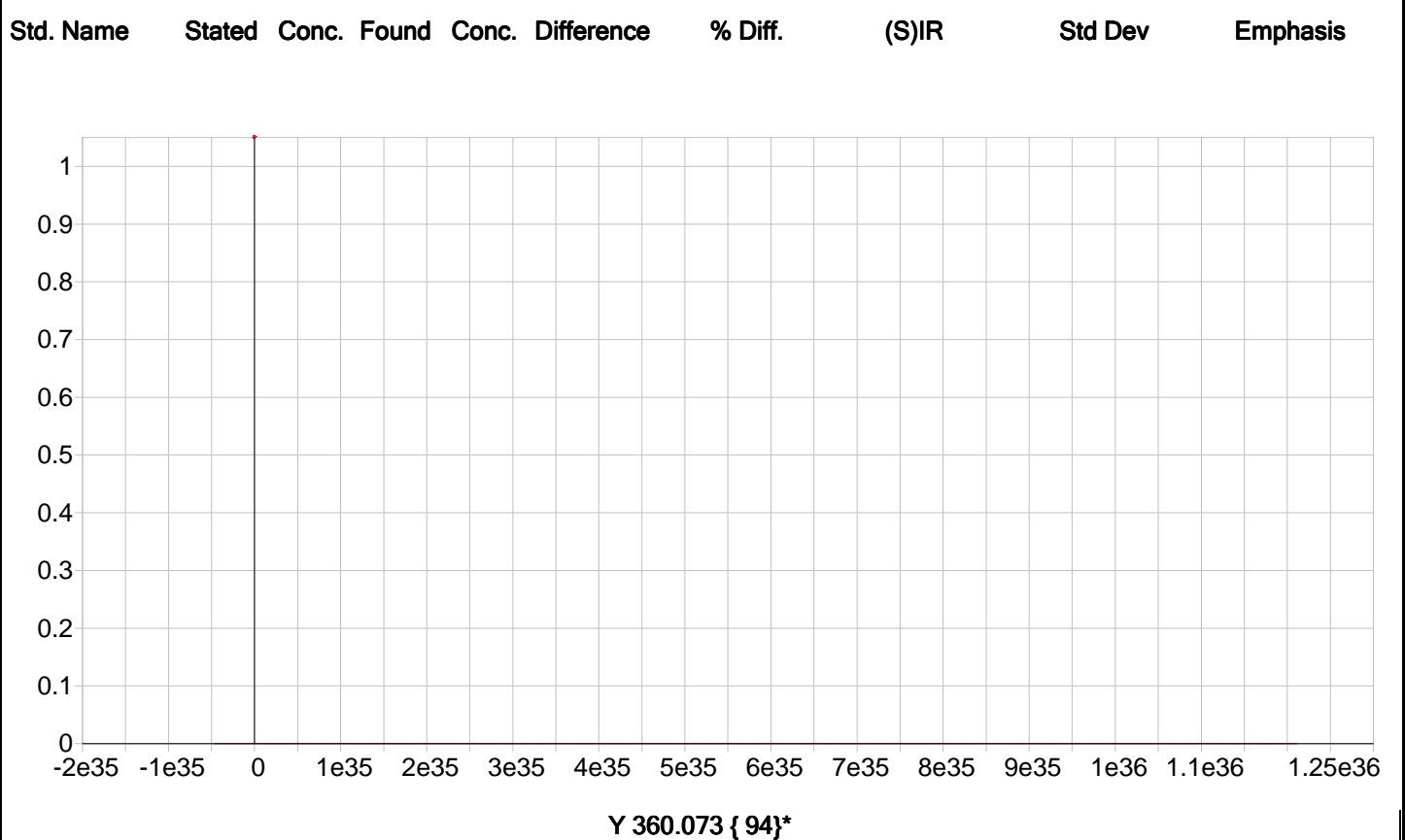
Date of Fit: 4/5/2016 10:17:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000526 Re-Slope: 1.000000
 A1 (Gain): 0.000987 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999937 Status: OK.
 Std Error of Est: 0.000363
 Predicted MDL: 0.161837
 Predicted MQL: 0.539457

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00167		-.002	.000	.00052	.000	1
CAL2	20.000		21.147		1.15	5.74	.02140	.000	1
CAL3	2000.0		2044.9		44.9	2.25	2.0185	.004	1
CAL4	10000.		10124.		124.	1.24	9.9913	.090	1
CAL5	20000.		19830.		-170.	-.851	19.569	.032	1

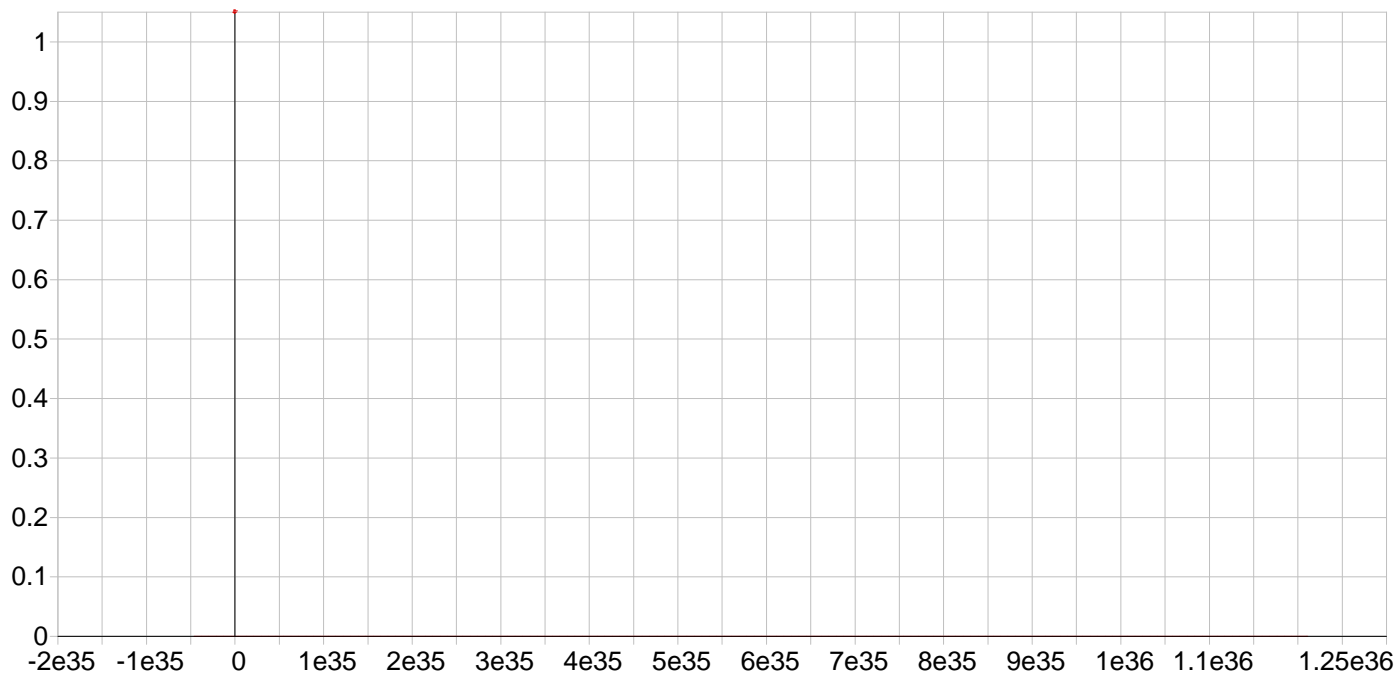


Date of Fit:	4/4/2016 13:47:58	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000	Re-Slope:	1.000000		
A1 (Gain):	0.000000	Y-int:	0.000000		
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	183.492520				
Predicted MDL:	n/a				
Predicted MQL:	n/a				



Date of Fit:	4/4/2016 13:47:58	Type of Fit:	Linear	Weighting:	1/Conc
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A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000



Y 371.030 { 91}*

Date of Fit: 4/4/2016 13:47:58

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

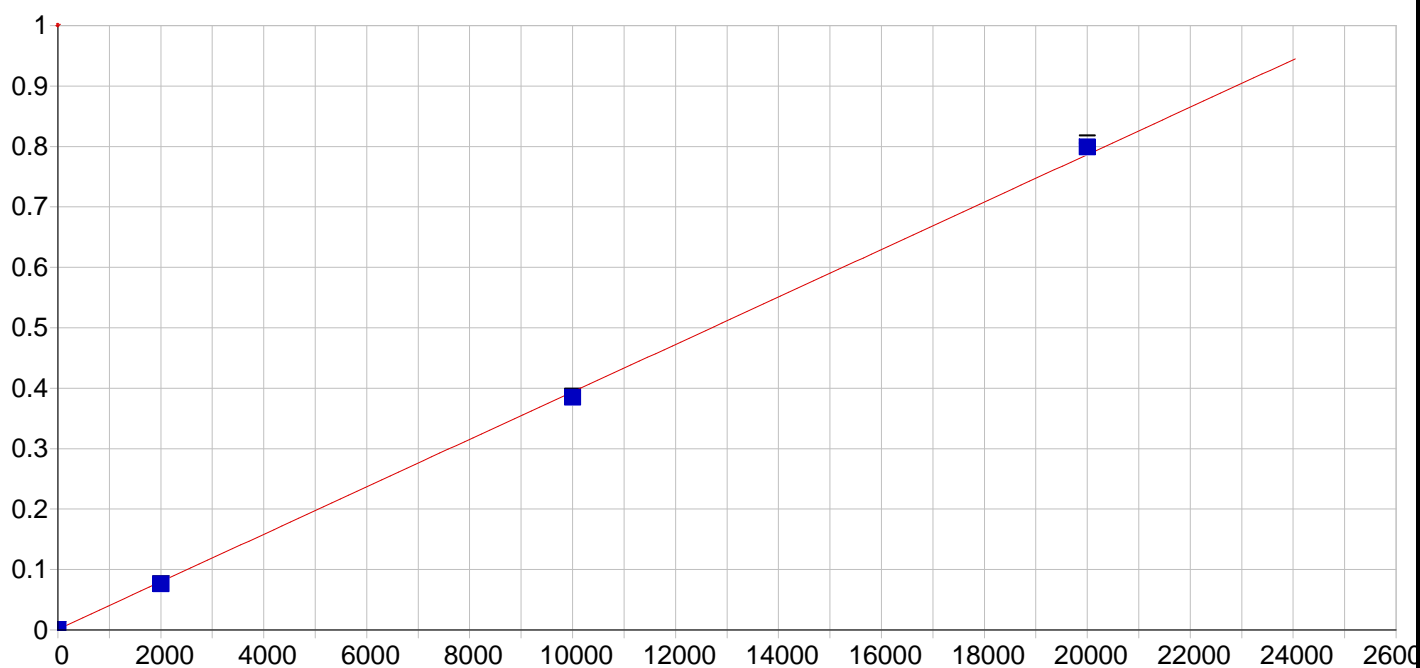
Zero Gain

Std Error of Est: 192.759705

Predicted MDL: n/a

Predicted MQL: n/a

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Si 288.158 {117}

Date of Fit: 4/5/2016 10:17:11

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001289

Re-Slope: 1.000000

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.10997		.110	.000	.00129	.000	1
CAL5	20000.		20325.		325.	1.62	.79809	.006	1
CAL3	2000.0		1903.1		-96.9	-4.84	.07589	.000	1
CAL4	10000.		9772.0		-228.	-2.28	.38436	.002	1

Sample Name: ICIS Cal Blk Acquired: 4/5/2016 9:53:12 Type: Cal
Method: sw03182016(v22) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0004	-.0002	-.0005	.0001	.0003	.0002
Stddev	.0005	.0002	.0001	.0002	.0001	.0001
%RSD	126.5	96.63	25.26	162.3	39.66	29.73

#1	.0001	-.0001	-.0004	.0003	.0002	.0002
#2	-.0010	-.0001	-.0006	.0002	.0003	.0003
#3	-.0004	-.0004	-.0004	-.0001	.0005	.0002

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0017	-.0010	-.0000	.0065	.0002	-.0093
Stddev	.0002	.0001	.0000	.0001	.0000	.0022
%RSD	8.641	12.15	93.86	.7690	19.08	23.76

#1	-.0019	-.0010	-.0000	.0066	.0002	-.0080
#2	-.0016	-.0011	-.0000	.0065	.0003	-.0080
#3	-.0017	-.0009	-.0001	.0065	.0002	-.0118

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	-.0000	.0002	.0091	.0004	.0001	.0004
Stddev	.0000	.0000	.0022	.0003	.0002	.0002
%RSD	180.3	11.41	23.70	77.87	148.0	39.33

#1	.0000	.0002	.0116	.0001	.0003	.0003
#2	-.0001	.0002	.0080	.0004	-.0001	.0003
#3	-.0000	.0003	.0077	.0008	.0002	.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	.0006	-.0009	.0000	.0001	.0036	-.0003
Stddev	.0002	.0000	.0000	.0000	.0007	.0001
%RSD	28.19	2.924	396.6	47.50	19.15	51.51

#1	.0008	-.0008	-.0000	.0001	.0043	-.0001
#2	.0007	-.0009	-.0000	.0001	.0036	-.0004
#3	.0004	-.0009	.0000	.0000	.0029	-.0002

Sample Name: ICIS Cal Blk Acquired: 4/5/2016 9:53:12 Type: Cal
Method: sw03182016(v22) 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_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0007	-.0023	.0005	.0013
Stddev	.0001	.0002	.0001	.0002
%RSD	8.533	6.631	21.68	13.35

#1	.0007	-.0021	.0005	.0011
#2	.0006	-.0023	.0005	.0014
#3	.0006	-.0024	.0007	.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3059.8	37362.	5718.4
Stddev	90.6	3082.	513.3
%RSD	2.9604	8.2500	8.9757

#1	3163.8	40912.	6308.2
#2	3017.2	35809.	5473.4
#3	2998.3	35364.	5373.4

Sample Name: CAL2 Acquired: 4/5/2016 10:01:32 Type: Cal
Method: sw03182016(v22) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0091	.0010	.0025	.5187	.0100	.1254
Stddev	.0006	.0001	.0000	.0036	.0002	.0010
%RSD	7.028	8.879	1.515	.6931	1.603	.7740

#1	.0088	.0011	.0025	.5151	.0100	.1260
#2	.0098	.0010	.0025	.5189	.0098	.1259
#3	.0086	.0010	.0024	.5222	.0101	.1243

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0123	.0677	.0017	.0162	.0018	.3470
Stddev	.0004	.0004	.0001	.0004	.0001	.0013
%RSD	3.365	.5390	4.086	2.365	5.386	.3778

#1	.0118	.0674	.0016	.0166	.0017	.3479
#2	.0124	.0681	.0017	.0162	.0019	.3455
#3	.0126	.0677	.0018	.0159	.0017	.3476

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0960	.0190	1.208	.0337	.0028	.0034
Stddev	.0005	.0003	.010	.0004	.0002	.0003
%RSD	.4977	1.385	.8341	1.198	6.204	9.488

#1	.0962	.0191	1.220	.0339	.0027	.0031
#2	.0964	.0191	1.205	.0332	.0030	.0036
#3	.0955	.0187	1.201	.0339	.0027	.0036

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	.0017	.0019	.0118	.0316	.0255	.0189
Stddev	.0002	.0003	.0000	.0002	.0004	.0002
%RSD	9.921	13.92	.2963	.6232	1.553	1.240

#1	.0019	.0021	.0118	.0316	.0252	.0186
#2	.0016	.0019	.0118	.0314	.0255	.0190
#3	.0017	.0016	.0118	.0318	.0260	.0190

Sample Name: CAL2 Acquired: 4/5/2016 10:01:32 Type: Cal
Method: sw03182016(v22) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S
Avg	.0104	.1799	.0214
Stddev	.0003	.0001	.0000
%RSD	2.433	.0493	.0979

#1	.0102	.1800	.0214
#2	.0104	.1799	.0214
#3	.0107	.1799	.0214

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3000.4	35184.	5449.5
Stddev	21.6	220.	44.6
%RSD	.72138	.62651	.81822

#1	3019.6	35026.	5399.4
#2	3004.7	35089.	5484.8
#3	2977.0	35436.	5464.3

Sample Name: CAL1 Acquired: 4/5/2016 9:57:18 Type: Cal
Method: sw03182016(v22) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Pb2203	Sb2068	Se196	Tl1908
Line	189.042 {478}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0003	.0016	.0022	.0007	.0006
Stddev	.0001	.0003	.0001	.0001	.0002
%RSD	28.95	17.24	5.163	21.03	29.06

#1	.0003	.0013	.0021	.0006	.0004
#2	.0004	.0019	.0023	.0007	.0006
#3	.0002	.0016	.0023	.0008	.0007

Int. Std.	Y_2243
Line	224.306 {450}
Units	Cts/S
Avg	3011.0
Stddev	12.3
%RSD	.40851

#1	2997.6
#2	3013.5
#3	3021.8

Sample Name: CAL4 Acquired: 4/5/2016 10:09:15 Type: Cal
Method: sw03182016(v22) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.058	.1947	.3665	24.61	4.617	3.096
Stddev	.035	.0006	.0007	.05	.016	.006
%RSD	.6845	.3006	.1817	.1984	.3391	.2079

#1	5.018	.1954	.3661	24.67	4.609	3.091
#2	5.074	.1946	.3662	24.59	4.606	3.094
#3	5.081	.1942	.3673	24.58	4.635	3.103

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.211	3.202	.8479	4.831	.8807	3.572
Stddev	.009	.005	.0010	.005	.0024	.017
%RSD	.2131	.1581	.1205	.1102	.2707	.4670

#1	4.221	3.207	.8482	4.835	.8780	3.553
#2	4.208	3.201	.8487	4.834	.8824	3.578
#3	4.204	3.197	.8468	4.825	.8817	3.585

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	2.375	5.863	29.63	1.925	1.739	.1726
Stddev	.001	.012	.29	.003	.002	.0006
%RSD	.0593	.2006	.9767	.1553	.1311	.3712

#1	2.376	5.854	29.32	1.928	1.740	.1733
#2	2.373	5.858	29.69	1.923	1.741	.1723
#3	2.375	5.876	29.89	1.923	1.737	.1721

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	.1569	.3010	.5773	2.486	.4920	2.356
Stddev	.0006	.0036	.0013	.002	.0010	.006
%RSD	.4063	1.185	.2310	.0937	.1956	.2768

#1	.1575	.3051	.5764	2.489	.4931	2.364
#2	.1570	.2984	.5789	2.484	.4918	2.352
#3	.1563	.2997	.5767	2.485	.4912	2.353

Sample Name: CAL4 Acquired: 4/5/2016 10:09:15 Type: Cal
Method: sw03182016(v22) 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_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1920	43.92	9.991	.3844
Stddev	.0008	.14	.090	.0019
%RSD	.3960	.3158	.9012	.5051

#1	.1928	43.76	9.960	.3860
#2	.1913	44.02	9.921	.3848
#3	.1919	43.98	10.09	.3822

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2729.3	32093.	5175.8
Stddev	5.4	69.	33.9
%RSD	.19619	.21550	.65512

#1	2723.3	32071.	5211.8
#2	2731.0	32170.	5170.9
#3	2733.6	32037.	5144.5

Sample Name: CAL3 Acquired: 4/5/2016 10:05:31 Type: Cal
Method: sw03182016(v22) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.9982	.0380	.0705	5.045	.9376	.6100
Stddev	.0059	.0002	.0002	.018	.0013	.0037
%RSD	.5911	.4838	.2431	.3499	.1365	.6125

#1	1.004	.0379	.0705	5.036	.9391	.6097
#2	.9922	.0382	.0703	5.065	.9367	.6064
#3	.9983	.0379	.0706	5.034	.9371	.6138

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.8706	.6621	.1739	.9459	.1799	.6896
Stddev	.0034	.0017	.0005	.0025	.0005	.0016
%RSD	.3956	.2494	.3058	.2649	.2821	.2276

#1	.8675	.6604	.1737	.9477	.1797	.6910
#2	.8743	.6637	.1736	.9470	.1794	.6879
#3	.8700	.6621	.1745	.9431	.1804	.6899

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.4685	1.187	5.776	.4037	.3542	.0343
Stddev	.0013	.007	.028	.0021	.0019	.0002
%RSD	.2730	.5724	.4889	.5143	.5498	.5168

#1	.4682	1.186	5.798	.4026	.3525	.0341
#2	.4674	1.180	5.744	.4061	.3564	.0343
#3	.4699	1.194	5.786	.4025	.3538	.0344

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	.0317	.0632	.1158	.5106	.1004	.4777
Stddev	.0002	.0002	.0002	.0025	.0006	.0019
%RSD	.5437	.2605	.2090	.4842	.6325	.3886

#1	.0317	.0634	.1155	.5080	.1004	.4771
#2	.0318	.0633	.1160	.5111	.1011	.4798
#3	.0315	.0630	.1159	.5129	.0998	.4762

Sample Name: CAL3 Acquired: 4/5/2016 10:05:31 Type: Cal
Method: sw03182016(v22) 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_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0399	8.731	2.019	.0759
Stddev	.0002	.031	.004	.0002
%RSD	.4206	.3597	.1963	.3219

#1	.0397	8.765	2.018	.0762
#2	.0401	8.703	2.015	.0757
#3	.0398	8.725	2.023	.0758

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2907.0	34453.	5381.7
Stddev	11.4	249.	41.3
%RSD	.39053	.72195	.76662

#1	2920.1	34516.	5387.0
#2	2900.2	34664.	5420.1
#3	2900.6	34179.	5338.1

Sample Name: CAL5 Acquired: 4/5/2016 10:13:00 Type: Cal
Method: sw03182016(v22) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	10.17	.3991	.7509	48.34	9.099	6.169
Stddev	.04	.0007	.0035	.14	.018	.032
%RSD	.4128	.1818	.4694	.2793	.1991	.5166

#1	10.15	.3997	.7474	48.49	9.116	6.135
#2	10.14	.3983	.7544	48.30	9.080	6.198
#3	10.22	.3992	.7509	48.22	9.100	6.175

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8.303	6.315	1.668	9.710	1.716	7.267
Stddev	.021	.015	.001	.093	.006	.009
%RSD	.2592	.2385	.0630	.9536	.3313	.1239

#1	8.328	6.330	1.668	9.685	1.710	7.259
#2	8.294	6.315	1.669	9.633	1.720	7.264
#3	8.287	6.300	1.667	9.813	1.718	7.277

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	4.773	11.44	59.63	3.774	3.415	.3529
Stddev	.011	.10	.96	.011	.005	.0014
%RSD	.2305	.8310	1.617	.2982	.1366	.4019

#1	4.764	11.36	58.52	3.787	3.421	.3545
#2	4.785	11.54	60.09	3.766	3.412	.3517
#3	4.770	11.42	60.27	3.768	3.413	.3526

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	.3193	.5758	1.148	4.877	.9836	4.693
Stddev	.0015	.0044	.000	.013	.0032	.007
%RSD	.4842	.7560	.0059	.2648	.3255	.1446

#1	.3191	.5719	1.148	4.888	.9870	4.701
#2	.3178	.5749	1.148	4.881	.9807	4.689
#3	.3209	.5805	1.148	4.863	.9829	4.690

Sample Name: CAL5 Acquired: 4/5/2016 10:13:00 Type: Cal
Method: sw03182016(v22) 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_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3786	85.99	19.57	.7981
Stddev	.0017	.62	.03	.0063
%RSD	.4489	.7205	.1652	.7925

#1	.3798	85.39	19.55	.8054
#2	.3793	85.95	19.61	.7948
#3	.3766	86.63	19.55	.7941

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2590.1	30981.	5124.0
Stddev	9.6	243.	21.4
%RSD	.36967	.78428	.41820

#1	2583.4	31251.	5147.8
#2	2586.0	30780.	5117.7
#3	2601.1	30913.	5106.4

Sample Name: icsab 4140570 Acquired: 4/5/2016 10:33:27 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	525000.	95.70	109.7	102.5	101.4	536800.
Stddev	810.	3.00	.3	.3	.1	3225.
%RSD	.1542	3.133	.3016	.3211	.1132	.6007
#1	524300.	99.14	109.7	102.7	101.2	535100.
#2	525900.	93.64	110.0	102.8	101.5	540500.
#3	524800.	94.32	109.4	102.2	101.4	534800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	98.27	94.85	102.3	105.4	208600.	10390.
Stddev	.13	.13	.2	.8	315.	25.
%RSD	.1363	.1368	.1640	.7554	.1509	.2361
#1	98.27	94.72	102.1	104.6	208500.	10400.
#2	98.40	94.98	102.4	106.1	209000.	10400.
#3	98.14	94.85	102.4	105.6	208400.	10360.

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	533400.	102.0	10630.	91.92	96.94	103.2
Stddev	3478.	.1	13.	.53	2.94	3.3
%RSD	.6521	.1014	.1178	.5760	3.037	3.187
#1	535000.	101.9	10620.	91.58	93.88	101.0
#2	535700.	102.1	10640.	91.65	99.75	101.6
#3	529400.	101.9	10630.	92.53	97.20	107.0

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

Sample Name: icsab 4140570 Acquired: 4/5/2016 10:33:27 Type: QC
Method: sw03182016(v22) 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	108.0	101.5	104.4	96.84	90.38	97.10
Stddev	1.8	4.5	.3	.46	.58	.06
%RSD	1.689	4.482	.3178	.4762	.6422	.0636
#1	106.1	97.84	104.4	96.84	90.93	97.17
#2	108.2	100.0	104.7	97.30	89.78	97.08
#3	109.7	106.6	104.0	96.38	90.43	97.05

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	103.6	102.3	104.9	50.66
Stddev	.8	.1	.3	8.07
%RSD	.7639	.0856	.3026	15.93
#1	102.7	102.2	104.6	43.32
#2	104.1	102.4	104.8	49.36
#3	103.9	102.4	105.2	59.30

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2697.6	30259.	5130.6
Stddev	14.2	180.	37.6
%RSD	.52477	.59573	.73318
#1	2682.5	30124.	5111.3
#2	2699.8	30189.	5106.6
#3	2710.5	30464.	5174.0

Sample Name: icv 4140568 Acquired: 4/5/2016 10:17:26 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123900.	2453.	1224.	10030.	1002.	124500.
Stddev	299.	9.	6.	25.	3.	487.
%RSD	.2416	.3483	.4960	.2484	.3317	.3911

#1	123900.	2462.	1230.	10050.	998.4	124700.
#2	123600.	2452.	1221.	10000.	1002.	123900.
#3	124200.	2444.	1219.	10020.	1005.	124800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1252.	2499.	5019.	12360.	100800.	49220.
Stddev	3.	5.	23.	24.	374.	86.
%RSD	.2282	.2025	.4491	.1972	.3714	.1747

#1	1256.	2505.	5020.	12380.	101100.	49180.
#2	1250.	2497.	4995.	12370.	100400.	49160.
#3	1251.	2496.	5040.	12340.	100900.	49320.

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	123900.	5031.	123700.	2509.	7527.	978.7
Stddev	378.	18.	333.	7.	24.	3.2
%RSD	.3047	.3607	.2694	.2604	.3223	.3251

#1	124000.	5049.	123700.	2515.	7555.	982.2
#2	123500.	5013.	123400.	2502.	7519.	975.9
#3	124200.	5031.	124100.	2509.	7509.	978.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: icv 4140568 Acquired: 4/5/2016 10:17:26 Type: QC
Method: sw03182016(v22) 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	2465.	2533.	2488.	2514.	994.9	2487.
Stddev	4.	17.	8.	1.	2.7	6.
%RSD	.1768	.6845	.3319	.0462	.2758	.2444
#1	2470.	2544.	2487.	2515.	998.0	2494.
#2	2463.	2542.	2481.	2513.	992.8	2483.
#3	2462.	2513.	2497.	2514.	993.9	2484.

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1001.	5026.	10130.	9761.
Stddev	2.	2.	19.	48.
%RSD	.2122	.0491	.1837	.4866
#1	1003.	5029.	10150.	9750.
#2	1000.	5027.	10140.	9813.
#3	998.7	5024.	10110.	9720.

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	2746.4	32389.	5211.1
Stddev	4.8	61.	24.0
%RSD	.17366	.18707	.45991
#1	2740.9	32378.	5208.2
#2	2749.2	32454.	5236.4
#3	2749.1	32335.	5188.7

Sample Name: icb Acquired: 4/5/2016 10:21:11 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.855	1.544	.3109	.1824	-.0160	3.662
Stddev	11.48	.130	.2021	.1568	.1173	1.816
%RSD	297.7	8.404	64.99	85.99	732.5	49.58

#1	15.36	1.693	.4648	.3597	.0194	2.435
#2	-7.594	1.483	.0821	.1257	.0795	5.748
#3	3.800	1.455	.3860	.0618	-.1470	2.804

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0054	.1927	-.0170	1.033	.3134	10.05
Stddev	.0341	.0917	.4319	.138	2.806	32.82
%RSD	629.0	47.57	2540.	13.39	895.6	326.7

#1	.0312	.1392	-.5118	.9804	.9522	17.72
#2	.0183	.2986	.1762	.9295	2.745	-25.93
#3	-.0332	.1404	.2846	1.191	-2.757	38.36

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.705	.2099	-6.747	.5129	.3329	-.5091
Stddev	2.189	.0805	10.46	.1074	1.976	.4518
%RSD	22.55	38.33	155.0	20.94	593.6	88.75

#1	11.55	.3027	5.328	.6361	1.762	-.6850
#2	7.287	.1587	-12.53	.4634	-1.922	-.8464
#3	10.28	.1684	-13.04	.4392	1.159	.0042

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

Sample Name: icb Acquired: 4/5/2016 10:21:11 Type: QC
Method: sw03182016(v22) 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	-3.306	-.0184	-.0799	.3186	-.4128	1.409
Stddev	2.434	.8394	.2284	.1260	.8752	.574
%RSD	73.62	4571.	285.7	39.56	212.0	40.73
#1	-3.755	.6932	.0178	.4057	.3879	2.057
#2	-5.484	-.9441	.0833	.3761	-.2793	1.200
#3	-.6788	.1958	-.3409	.1741	-1.347	.9685

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4400	.0890	.5400	.7311
Stddev	.7661	.0885	.2059	3.506
%RSD	174.1	99.45	38.12	479.6
#1	-.5430	.1200	.7758	3.885
#2	.3724	.1579	.4488	-3.045
#3	-1.149	-.0108	.3956	1.352

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	3019.0	35246.	5337.6
Stddev	7.2	147.	14.2
%RSD	.23861	.41619	.26612
#1	3012.0	35299.	5345.3
#2	3018.6	35358.	5321.2
#3	3026.4	35080.	5346.3

Sample Name: icvl 4079378 Acquired: 4/5/2016 10:25:13 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	234.7	15.73	9.905	210.2	2.045	5197.
Stddev	3.1	.83	.204	.4	.091	32.
%RSD	1.328	5.297	2.062	.1962	4.451	.6124
#1	232.7	16.54	10.08	209.8	2.106	5168.
#2	238.3	15.78	9.950	210.3	1.941	5192.
#3	233.1	14.88	9.681	210.6	2.090	5231.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.142	53.74	10.71	26.72	170.5	4907.
Stddev	.008	.26	.13	.65	4.6	16.
%RSD	.1981	.4863	1.176	2.418	2.707	.3296
#1	4.149	53.66	10.61	26.25	175.1	4891.
#2	4.133	54.03	10.66	26.45	170.4	4907.
#3	4.144	53.52	10.85	27.45	165.9	4924.

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	5106.	16.51	5047.	43.38	11.97	18.53
Stddev	13.	.10	16.	.25	1.89	1.23
%RSD	.2554	.6012	.3256	.5808	15.82	6.659
#1	5107.	16.48	5029.	43.65	14.02	19.85
#2	5092.	16.42	5061.	43.14	11.60	17.40
#3	5118.	16.61	5050.	43.36	10.28	18.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: icvl 4079378 Acquired: 4/5/2016 10:25:13 Type: QC
Method: sw03182016(v22) 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	15.36	22.80	50.62	32.31	47.56	20.24
Stddev	.73	.70	.23	.18	.22	.18
%RSD	4.738	3.087	.4635	.5613	.4620	.9065
#1	15.41	22.08	50.36	32.52	47.31	20.26
#2	16.07	23.49	50.70	32.22	47.63	20.05
#3	14.61	22.83	50.81	32.20	47.73	20.42

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	51.46	20.83	21.38	F 14.65
Stddev	.74	.07	.11	16.49
%RSD	1.430	.3444	.5141	112.5
#1	51.47	20.78	21.26	8.469
#2	52.19	20.91	21.47	2.155
#3	50.72	20.79	21.43	33.34

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3027.8	34646.	5304.9
Stddev	2.9	126.	19.5
%RSD	.09545	.36231	.36830
#1	3026.0	34709.	5305.2
#2	3026.2	34728.	5324.2
#3	3031.1	34502.	5285.1

Sample Name: 460-111211-H-1-A@20 Acquired: 4/5/2016 10:53:43 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6706.	23.40	1.161	61.02	.2761	4009.
Stddev	27.	1.79	.647	.08	.0457	29.
%RSD	.4099	7.660	55.71	.1314	16.54	.7233
#1	6677.	25.35	1.802	60.94	.3030	3985.
#2	6711.	21.82	.5087	61.10	.2233	4041.
#3	6731.	23.04	1.172	61.03	.3018	4001.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.120	6.423	23.80	46.28	93790.	561.1
Stddev	.086	.323	.42	.51	427.	4.6
%RSD	7.679	5.022	1.754	1.097	.4548	.8233
#1	-1.149	6.383	23.39	45.70	93390.	556.8
#2	-1.187	6.123	24.23	46.66	94240.	566.0
#3	-1.023	6.764	23.79	46.46	93740.	560.7

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	1289.	887.1	130.8	12.23	117.2	.9614
Stddev	6.	6.0	4.7	.61	.9	1.514
%RSD	.4563	.6779	3.578	5.016	.7323	157.5
#1	1283.	880.7	133.5	12.89	117.3	-.4976
#2	1294.	892.6	125.4	12.11	116.4	.8569
#3	1290.	888.1	133.5	11.68	118.1	2.525

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

Sample Name: 460-111211-H-1-A@20 Acquired: 4/5/2016 10:53:43 Type: Unk
Method: sw03182016(v22) 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	6.572	-1.309	67.19	88.42	3.856	1.722
Stddev	2.586	1.744	.56	.18	.550	.125
%RSD	39.35	133.3	.8396	.2088	14.25	7.264
#1	5.740	-2.372	67.04	88.22	4.322	1.855
#2	9.472	.7040	66.72	88.58	3.996	1.606
#3	4.504	-2.259	67.82	88.46	3.250	1.704

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	11.99	17.56	369.0	114.4
Stddev	1.24	.10	1.5	6.5
%RSD	10.37	.5439	.4194	5.652
#1	13.42	17.46	367.3	117.7
#2	11.33	17.58	369.3	107.0
#3	11.21	17.65	370.3	118.6

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	3044.0	35673.	5438.1
Stddev	14.3	379.	57.6
%RSD	.46949	1.0632	1.0596
#1	3060.0	36081.	5502.6
#2	3039.2	35331.	5419.7
#3	3032.7	35607.	5391.9

Sample Name: CCV Acquired: 4/5/2016 11:09:27 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124800.	2392.	1237.	9728.	986.9	124200.
Stddev	662.	5.	5.	22.	3.3	1178.
%RSD	.5307	.2088	.4345	.2253	.3346	.9491

#1	124700.	2395.	1236.	9748.	987.3	124300.
#2	125500.	2395.	1242.	9705.	989.9	125200.
#3	124200.	2386.	1231.	9731.	983.4	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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1223.	2456.	4849.	12050.	101400.	49090.
Stddev	5.	9.	29.	17.	833.	147.
%RSD	.3850	.3537	.5938	.1419	.8219	.2996

#1	1228.	2465.	4860.	12060.	101700.	49020.
#2	1218.	2448.	4871.	12060.	102000.	49260.
#3	1222.	2454.	4816.	12030.	100500.	48990.

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	122000.	5069.	126500.	2422.	7524.	965.8
Stddev	839.	44.	370.	7.	30.	2.0
%RSD	.6883	.8620	.2926	.2827	.4027	.2071

#1	122000.	5066.	126500.	2427.	7558.	968.0
#2	122800.	5114.	126900.	2415.	7510.	965.6
#3	121100.	5027.	126200.	2425.	7502.	964.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/5/2016 11:09:27 Type: QC
Method: sw03182016(v22) 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	2388.	2496.	2430.	2491.	954.3	2414.
Stddev	6.	35.	13.	20.	3.6	4.
%RSD	.2470	1.403	.5515	.7913	.3805	.1586

#1	2393.	2536.	2436.	2514.	950.2	2417.
#2	2382.	2472.	2439.	2477.	956.0	2410.
#3	2389.	2479.	2414.	2483.	956.8	2415.

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	972.7	5054.	9960.	9385.
Stddev	6.2	14.	24.	92.
%RSD	.6327	.2788	.2384	.9800

#1	979.0	5041.	9942.	9389.
#2	966.7	5069.	9952.	9291.
#3	972.3	5052.	9987.	9475.

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	2825.9	32710.	5280.4
Stddev	12.3	339.	62.8
%RSD	.43535	1.0369	1.1893

#1	2812.9	32730.	5273.6
#2	2837.4	32361.	5221.2
#3	2827.5	33039.	5346.3

Sample Name: CCVL Acquired: 4/5/2016 11:17:18 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	232.3	12.23	9.813	205.3	2.015	5071.
Stddev	10.6	2.30	.551	.5	.073	20.
%RSD	4.581	18.82	5.620	.2619	3.610	.4003

#1	220.2	9.749	10.07	205.3	2.027	5049.
#2	236.5	12.65	9.180	205.8	1.937	5074.
#3	240.2	14.30	10.19	204.8	2.081	5089.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.176	52.96	9.858	27.70	173.0	4875.
Stddev	.091	.15	.227	.09	4.4	8.
%RSD	2.192	.2861	2.307	.3158	2.537	.1626

#1	4.143	52.88	10.12	27.71	170.5	4879.
#2	4.105	53.13	9.744	27.77	170.4	4880.
#3	4.279	52.86	9.711	27.60	178.0	4866.

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	4950.	16.34	5105.	42.49	11.10	17.95
Stddev	13.	.07	19.	.48	.33	1.04
%RSD	.2637	.4187	.3742	1.141	2.986	5.816

#1	4954.	16.28	5099.	42.99	10.81	18.13
#2	4936.	16.41	5089.	42.46	11.46	18.88
#3	4961.	16.33	5126.	42.02	11.04	16.82

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/5/2016 11:17:18 Type: QC
Method: sw03182016(v22) 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	16.45	22.22	49.54	31.70	45.50	19.81
Stddev	2.35	.84	.33	.27	.31	.10
%RSD	14.31	3.797	.6655	.8613	.6728	.4852
#1	19.16	21.57	49.18	31.67	45.35	19.89
#2	15.00	23.17	49.63	31.98	45.31	19.83
#3	15.18	21.91	49.82	31.44	45.86	19.71

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	49.74	20.87	21.14	F 11.80
Stddev	1.33	.10	.14	17.82
%RSD	2.673	.4859	.6831	151.1
#1	48.27	20.97	21.04	1.010
#2	50.85	20.77	21.08	2.011
#3	50.10	20.88	21.30	32.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3083.2	35352.	5452.6
Stddev	5.1	166.	37.7
%RSD	.16632	.46889	.69109
#1	3077.8	35401.	5419.2
#2	3083.9	35167.	5445.0
#3	3087.9	35488.	5493.4

Sample Name: LCS 460-360725/2-A Acquired: 4/5/2016 11:25:24 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1826.	F 1680.	F 44.77	F 1754.	F 45.05	F 17840.
Stddev	11.	3.	.44	2.	.08	76.
%RSD	.6142	.1959	.9821	.1031	.1824	.4286

#1	1813.	1682.	45.27	1755.	44.99	17920.
#2	1832.	1682.	44.54	1755.	45.01	17840.
#3	1832.	1676.	44.49	1752.	45.14	17770.

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	125000.	2500.	1250.	10000.	1000.	125000.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 45.56	F 454.5	F 180.0	F 211.4	F 936.9	F 16330.
Stddev	.15	.3	1.1	.8	9.7	45.
%RSD	.3341	.0758	.6164	.3572	1.036	.2760

#1	45.73	454.9	180.8	210.8	941.6	16360.
#2	45.49	454.4	180.6	211.2	925.8	16350.
#3	45.45	454.3	178.8	212.3	943.4	16280.

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1250.	2500.	5000.	12500.	100000.	50000.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 17490.	F 465.9	F 17990.	F 458.4	F 476.8	F 420.1
Stddev	76.	1.8	99.	.4	1.5	.4
%RSD	.4372	.3937	.5517	.0777	.3231	.0967

#1	17540.	467.6	17960.	458.7	476.5	420.5
#2	17540.	466.1	18100.	458.5	478.5	419.7
#3	17410.	463.9	17910.	458.0	475.5	420.0

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	125000.	5000.	125000.	2500.	7500.	1000.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Sample Name: LCS 460-360725/2-A Acquired: 4/5/2016 11:25:24 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1744.	F 1960.	F 440.5	F 473.7	F 442.2	F 429.8
Stddev	2.	22.	1.2	1.5	1.1	.2
%RSD	.1050	1.134	.2668	.3163	.2494	.0480

#1	1746.	1985.	439.9	475.3	441.4	429.5
#2	1742.	1943.	439.8	472.5	441.7	429.8
#3	1744.	1951.	441.8	473.1	443.4	429.9

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2500.	2500.	2500.	2500.	1000.	2500.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F 448.7	F 449.9	F 453.8	F 35.62
Stddev	1.4	.3	.3	7.12
%RSD	.3141	.0623	.0584	19.99

#1	450.1	450.2	454.0	36.23
#2	448.5	449.7	453.5	28.21
#3	447.3	450.0	453.9	42.41

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	5000.	10000.	10000.
Range	-5.500%	-5.500%	-5.500%	-5.500%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3189.3	36518.	5618.4
Stddev	10.4	172.	34.6
%RSD	.32476	.47087	.61628

#1	3199.4	36713.	5636.6
#2	3189.6	36390.	5578.5
#3	3178.7	36451.	5640.2

Sample Name: 460-111371-D-2-A Acquired: 4/5/2016 11:33:03 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1797.	1.947	.5085	50.98	.1046	21690.
Stddev	20.	1.526	.2778	.36	.0700	90.
%RSD	1.112	78.39	54.63	.6997	66.97	.4171
#1	1777.	1.527	.2977	50.73	.0616	21660.
#2	1817.	3.639	.4046	50.82	.0667	21620.
#3	1799.	.6747	.8234	51.38	.1854	21790.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8169	2.472	6.812	114.3	6034.	4149.
Stddev	.0627	.216	.209	.6	19.	39.
%RSD	7.673	8.751	3.067	.5444	.3157	.9451
#1	.8419	2.236	7.014	113.6	6014.	4131.
#2	.8632	2.521	6.824	114.7	6036.	4122.
#3	.7456	2.660	6.597	114.7	6052.	4194.

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	2914.	126.6	15360.	12.97	338.5	3.770
Stddev	7.	.6	95.	.18	1.2	1.411
%RSD	.2469	.4610	.6192	1.379	.3428	37.41
#1	2912.	126.4	15250.	13.04	337.2	3.383
#2	2909.	126.0	15370.	13.09	338.8	5.334
#3	2923.	127.2	15440.	12.76	339.5	2.594

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

Sample Name: 460-111371-D-2-A Acquired: 4/5/2016 11:33:03 Type: Unk
Method: sw03182016(v22) 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	-3.444	1.804	6.962	486.7	185.0	37.19
Stddev	.772	1.993	.235	1.7	.9	.31
%RSD	22.42	110.4	3.372	.3433	.4884	.8344
#1	-2.555	3.825	7.203	485.1	184.1	36.87
#2	-3.946	-1.592	6.951	486.7	185.1	37.49
#3	-3.830	1.748	6.733	488.4	185.9	37.22

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.397	121.8	77.73	4778.
Stddev	.845	.4	.33	13.
%RSD	35.25	.3180	.4215	.2764
#1	2.194	121.5	77.51	4783.
#2	3.324	121.6	78.10	4763.
#3	1.671	122.2	77.57	4789.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3102.3	35707.	5604.8
Stddev	23.9	407.	59.5
%RSD	.76905	1.1409	1.0613
#1	3125.6	36085.	5663.6
#2	3103.4	35759.	5606.1
#3	3077.9	35276.	5544.7

Sample Name: icsa 4079387 Acquired: 4/5/2016 10:29:12 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	495800.	-.6801	-.8526	-.1411	.0244	498500.
Stddev	1750.	1.881	.0666	.0540	.0737	2858.
%RSD	.3530	276.5	7.812	38.27	301.7	.5734

#1	496100.	-1.095	-.8153	-.1566	-.0060	497200.
#2	493900.	-2.319	-.8130	-.1858	-.0292	501800.
#3	497400.	1.373	-.9295	-.0811	.1085	496500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3352	-3.387	-1.116	-1.161	194800.	-75.99
Stddev	.0274	.235	.402	.772	771.	20.16
%RSD	8.186	6.939	36.05	66.51	.3959	26.53

#1	.3651	-3.508	-1.529	-.5260	194200.	-80.82
#2	.3295	-3.536	-.7255	-.9364	194400.	-53.85
#3	.3111	-3.116	-1.093	-2.021	195600.	-93.30

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	497100.	-4.156	-40.17	-4.291	.8293	5.105
Stddev	2566.	.040	17.49	.326	.3635	3.352
%RSD	.5162	.9522	43.55	7.601	43.83	65.66

#1	494200.	-4.134	-60.37	-4.438	1.226	8.806
#2	498300.	-4.201	-30.28	-4.518	.7495	4.236
#3	498900.	-4.131	-29.86	-3.917	.5124	2.273

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

Sample Name: icsa 4079387 Acquired: 4/5/2016 10:29:12 Type: QC
Method: sw03182016(v22) 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	-1.243	3.401	.3568	-2.349	-10.35	-1.311
Stddev	4.726	2.860	.2530	.349	.97	.420
%RSD	380.1	84.10	70.90	14.84	9.413	32.04
#1	.1766	3.112	.4481	-1.948	-11.17	-.8812
#2	-6.517	.6960	.0709	-2.520	-9.273	-1.333
#3	2.610	6.395	.5515	-2.579	-10.61	-1.721

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.535	-1.569	-.8020	6.839
Stddev	1.344	.080	.0074	3.759
%RSD	29.65	5.066	.9204	54.96
#1	5.895	-1.488	-.8087	3.868
#2	4.502	-1.571	-.8032	11.06
#3	3.207	-1.647	-.7941	5.584

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2720.7	30707.	5159.7
Stddev	12.2	106.	53.8
%RSD	.44747	.34427	1.0424
#1	2725.2	30817.	5137.2
#2	2730.0	30699.	5221.1
#3	2706.9	30606.	5120.9

Sample Name: int-10a 4140672 Acquired: 4/5/2016 10:37:29 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	147.6	1.832	-1.712	10.18	2.626	41.39
Stddev	209.4	1.055	.252	.10	.148	27.88
%RSD	141.9	57.59	14.74	1.010	5.622	67.38
#1	38.74	2.812	-1.471	10.07	2.700	15.00
#2	389.1	.7149	-1.974	10.27	2.723	38.59
#3	15.04	1.970	-1.692	10.19	2.456	70.56

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5653	10090.	-.2933	2.152	-39.22	-3.871
Stddev	.0656	17.	.2066	.269	20.07	18.57
%RSD	11.61	.1708	70.45	12.50	51.17	479.8
#1	-.6104	10110.	-.1669	1.867	-54.65	-20.73
#2	-.5954	10080.	-.5317	2.187	-46.50	16.04
#3	-.4900	10070.	-.1813	2.401	-16.53	-6.927

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	34.47	-.2022	-18.15	4.212	-4.314	-4.290
Stddev	24.07	.0485	5.67	.439	1.031	.719
%RSD	69.81	23.99	31.24	10.43	23.91	16.77
#1	10.37	-.2221	-24.61	4.119	-5.373	-3.691
#2	34.55	-.2376	-14.00	3.827	-3.313	-4.092
#3	58.50	-.1469	-15.84	4.690	-4.256	-5.088

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

Sample Name: int-10a 4140672 Acquired: 4/5/2016 10:37:29 Type: QC
Method: sw03182016(v22) 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	-9.196	28.20	F 9541.	-.1079	-10.38	-3.157
Stddev	.980	1.84	2.	.2149	.06	.132
%RSD	10.65	6.526	.0236	199.2	.5344	4.185
#1	-8.942	26.33	9541.	.1304	-10.32	-3.005
#2	-8.368	28.25	9543.	-.1669	-10.39	-3.245
#3	-10.28	30.01	9539.	-.2870	-10.42	-3.221

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			6000.			
Low Limit			4000.			

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9691.	9624.	-.8477	8473.
Stddev	31.	113.	.1055	55.
%RSD	.3163	1.174	12.45	.6457
#1	9714.	9719.	-.7313	8425.
#2	9703.	9499.	-.8748	8532.
#3	9656.	9654.	-.9370	8462.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3075.1	35611.	5478.8
Stddev	1.6	112.	45.5
%RSD	.05115	.31422	.82956
#1	3075.1	35704.	5479.5
#2	3076.7	35643.	5523.8
#3	3073.6	35487.	5432.9

Sample Name: 460-111537-D-1-A@5 Acquired: 4/5/2016 11:52:18 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13470.	5.584	-.0076	30.25	1.117	5919.
Stddev	143.	1.428	.3510	.16	.082	29.
%RSD	1.061	25.58	4610.	.5262	7.311	.4872

#1	13630.	3.941	-.2966	30.19	1.177	5901.
#2	13440.	6.526	.3830	30.43	1.024	5952.
#3	13350.	6.285	-.1092	30.12	1.150	5904.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2237	4.189	31.69	46.07	16040.	502.1
Stddev	.0761	.066	.64	.09	101.	3.8
%RSD	34.03	1.580	2.020	.1938	.6279	.7652

#1	.2194	4.113	32.30	46.17	15960.	497.8
#2	.3018	4.214	31.76	46.02	16150.	503.3
#3	.1498	4.238	31.02	46.01	16000.	505.2

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	1734.	152.6	10830.	7.743	40.92	.0511
Stddev	8.	.8	68.	.233	.43	2.058
%RSD	.4623	.5292	.6302	3.011	1.047	4024.

#1	1727.	151.9	10890.	7.503	40.59	.6074
#2	1743.	153.4	10860.	7.969	41.40	1.774
#3	1733.	152.4	10760.	7.758	40.76	-2.228

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

Sample Name: 460-111537-D-1-A@5 Acquired: 4/5/2016 11:52:18 Type: Unk
Method: sw03182016(v22) 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	-5.048	.5845	92.98	59.43	8.242	.9404
Stddev	.863	1.371	.43	.25	.672	.2412
%RSD	17.10	234.5	.4582	.4286	8.152	25.65
#1	-4.616	2.098	93.27	59.42	8.355	.7607
#2	-6.042	.2282	93.18	59.18	8.850	1.215
#3	-4.487	-.5731	92.49	59.69	7.520	.8461

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1158	28.43	141.3	7026.
Stddev	.4081	.18	15.2	48.
%RSD	352.5	.6284	10.72	.6792
#1	-.1370	28.32	133.9	7041.
#2	.5865	28.64	158.8	6972.
#3	-.1023	28.34	131.3	7064.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3180.9	37435.	5737.6
Stddev	15.8	193.	67.3
%RSD	.49527	.51541	1.1729
#1	3162.7	37214.	5678.5
#2	3190.0	37569.	5723.5
#3	3189.9	37523.	5810.9

Sample Name: 460-111458-A-1-A@5 Acquired: 4/5/2016 11:56:17 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.13	3.386	.0344	5.370	-.0445	14010.
Stddev	11.78	1.464	.7934	.072	.0717	63.
%RSD	23.49	43.25	2308.	1.340	161.1	.4475
#1	39.69	3.924	.0601	5.398	-.0709	13940.
#2	47.81	4.506	.8146	5.424	-.0993	14030.
#3	62.90	1.729	-.7716	5.289	.0367	14070.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0609	-.1533	2.636	4.694	138.8	8525.
Stddev	.1261	.1402	.587	.332	3.7	22.
%RSD	207.2	91.45	22.27	7.065	2.681	.2595
#1	-.1951	-.2238	2.043	4.435	136.8	8507.
#2	.0552	.0081	3.217	5.068	136.4	8519.
#3	-.0427	-.2442	2.647	4.580	143.1	8550.

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	1560.	2.036	F 984500.	3.701	-.0571	-.0302
Stddev	9.	.027	14470.	.152	1.631	.9294
%RSD	.5997	1.305	1.470	4.098	2858.	3076.
#1	1552.	2.044	996500.	3.867	.5456	.4769
#2	1558.	2.006	988500.	3.667	1.187	-1.103
#3	1570.	2.057	968400.	3.569	-1.904	.5353

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111458-A-1-A@5 Acquired: 4/5/2016 11:56:17 Type: Unk
Method: sw03182016(v22) 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	-2.016	2.410	4.977	8.005	3.051
Stddev	1.110	3.204	.583	.043	.362	.273
%RSD	79.36	1590.	24.21	.8625	4.526	8.944
#1	-1.957	-1.518	2.324	4.937	7.701	3.258
#2	-.1204	2.977	1.874	5.022	8.406	2.742
#3	-2.119	-3.430	3.031	4.971	7.909	3.154

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-2.404	62.50	12.67	1585.
Stddev	.1825	.19	.14	28.
%RSD	75.89	.3000	1.080	1.794
#1	-.4071	62.40	12.59	1616.
#2	-.0454	62.71	12.82	1560.
#3	-.2688	62.37	12.58	1580.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2802.4	31484.	5274.0
Stddev	9.7	224.	57.4
%RSD	.34673	.71202	1.0874
#1	2794.7	31696.	5327.5
#2	2799.2	31507.	5213.5
#3	2813.3	31249.	5281.1

Sample Name: int-10b 4140674 Acquired: 4/5/2016 10:41:36 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42.21	22.73	-1.848	.4314	-.6733	22.15
Stddev	5.25	2.81	.2532	.1268	.1214	2.89
%RSD	12.44	12.38	137.0	29.39	18.02	13.07
#1	40.02	20.19	-.4438	.4474	-.6896	25.44
#2	38.40	25.75	.0622	.5493	-.7858	20.01
#3	48.20	22.24	-.1729	.2973	-.5447	21.00

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6838	1.164	8944.	8625.	-36.29	-4.485
Stddev	.0835	.651	54.	26.	8.37	15.71
%RSD	12.22	55.94	.6031	.3018	23.05	350.2
#1	-.7778	1.889	8961.	8597.	-42.27	-18.31
#2	-.6182	.6294	8988.	8629.	-26.73	-7.749
#3	-.6553	.9732	8884.	8648.	-39.86	12.60

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	2.352	9265.	-12.22	9637.	-13.25	3.591
Stddev	5.229	58.	.91	5.	.13	.519
%RSD	222.3	.6303	7.421	.0527	.9847	14.47
#1	4.411	9284.	-11.32	9632.	-13.27	3.444
#2	-3.593	9311.	-12.20	9636.	-13.10	3.161
#3	6.237	9199.	-13.13	9642.	-13.36	4.168

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

Sample Name: int-10b 4140674 Acquired: 4/5/2016 10:41:36 Type: QC
Method: sw03182016(v22) 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	-8.131	1.866	7.074	-4.597	-41.36	4528.
Stddev	1.880	1.450	.702	.114	.49	7.
%RSD	23.12	77.70	9.923	2.471	1.195	.1569
#1	-10.26	.4443	7.878	-4.495	-41.93	4520.
#2	-7.456	3.342	6.758	-4.720	-41.13	4532.
#3	-6.683	1.811	6.586	-4.577	-41.02	4533.

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6154	.2317	9100.	-24.45
Stddev	.2037	.1327	52.	18.51
%RSD	33.09	57.28	.5708	75.69
#1	.4832	.3755	9108.	-40.43
#2	.8499	.2058	9147.	-4.169
#3	.5130	.1138	9044.	-28.76

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

Int. Std.	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	35251.	5378.6
Stddev	3.2	281.	50.2
%RSD	.10711	.79816	.93269
#1	2974.4	35225.	5418.3
#2	2980.5	34983.	5322.2
#3	2979.3	35544.	5395.4

Sample Name: 460-110789-e-1-f@20 Acquired: 4/5/2016 10:45:51 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5787.	15.23	.1784	15.46	.3091	70970.
Stddev	38.	1.14	.3886	.16	.0336	313.
%RSD	.6569	7.507	217.9	1.022	10.86	.4404

#1	5818.	14.22	-.2310	15.28	.3477	70610.
#2	5798.	16.47	.2240	15.55	.2929	71090.
#3	5745.	14.99	.5421	15.55	.2867	71210.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1961	6.280	9.241	52.59	14540.	1127.
Stddev	.0966	.340	.241	.16	51.	17.
%RSD	49.28	5.411	2.612	.3107	.3530	1.542

#1	-.2993	6.235	9.512	52.41	14490.	1143.
#2	-.1814	6.640	9.163	52.63	14540.	1129.
#3	-.1077	5.965	9.048	52.73	14590.	1108.

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	30720.	134.0	357.5	12.89	9.181	-2.529
Stddev	67.	.4	6.9	.41	1.119	.926
%RSD	.2173	.2680	1.920	3.207	12.19	36.61

#1	30640.	133.6	365.4	13.23	7.995	-2.987
#2	30770.	134.1	354.0	12.43	9.331	-1.464
#3	30740.	134.4	353.0	13.00	10.22	-3.138

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

Sample Name: 460-110789-e-1-f@20 Acquired: 4/5/2016 10:45:51 Type: Unk
Method: sw03182016(v22) 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	-2.258	.9778	38.43	24.54	.8935	3.375
Stddev	4.380	1.250	.55	.18	.4474	1.428
%RSD	193.9	127.8	1.439	.7393	50.07	42.30
#1	-5.519	-1.503	37.85	24.50	1.349	4.980
#2	-3.977	2.321	38.95	24.74	.4552	2.899
#3	2.720	.7623	38.50	24.38	.8759	2.247

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.051	42.79	499.6	195.0
Stddev	.857	.22	.6	6.7
%RSD	81.57	.5224	.1181	3.410
#1	.0791	43.04	499.4	187.4
#2	1.700	42.74	500.2	199.3
#3	1.374	42.60	499.1	198.4

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	2987.5	34753.	5468.8
Stddev	7.2	209.	42.3
%RSD	.24002	.60171	.77435
#1	2992.6	34958.	5467.3
#2	2979.3	34762.	5511.9
#3	2990.6	34540.	5427.2

Sample Name: 460-111422-A-1-C MS Acquired: 4/5/2016 12:12:25 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4x

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48740.	973.8	22.96	1069.	29.27	18610.
Stddev	395.	7.7	.31	8.	.16	154.
%RSD	.8113	.7876	1.355	.7540	.5438	.8266

#1	48550.	966.0	23.31	1063.	29.19	18440.
#2	48480.	974.2	22.75	1066.	29.16	18640.
#3	49200.	981.3	22.81	1078.	29.45	18740.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.37	279.6	188.9	195.5	190500.	11510.
Stddev	.21	1.9	1.4	1.1	988.	63.
%RSD	.9771	.6930	.7435	.5793	.5189	.5495

#1	21.34	277.6	188.1	194.2	189400.	11500.
#2	21.18	279.6	188.1	195.8	190900.	11460.
#3	21.59	281.5	190.6	196.4	191200.	11580.

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	16080.	1230.	9426.	308.6	387.3	129.1
Stddev	127.	6.	64.	3.2	2.4	1.6
%RSD	.7878	.4902	.6742	1.027	.6282	1.218

#1	15960.	1223.	9398.	306.0	385.0	127.8
#2	16070.	1234.	9381.	307.8	389.8	130.8
#3	16210.	1233.	9499.	312.1	387.2	128.6

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

Sample Name: 460-111422-A-1-C MS Acquired: 4/5/2016 12:12:25 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4x

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	892.5	975.6	380.9	456.0	232.4	231.3
Stddev	5.1	3.0	3.7	1.8	3.1	1.7
%RSD	.5745	.3073	.9698	.3884	1.323	.7537
#1	890.2	978.6	377.0	454.0	229.5	230.3
#2	888.9	972.6	381.4	456.7	232.3	230.4
#3	898.4	975.5	384.4	457.4	235.6	233.4

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	235.9	267.8	1437.	1234.
Stddev	1.9	1.2	7.	5.
%RSD	.7882	.4560	.5192	.3729
#1	234.0	268.1	1430.	1229.
#2	236.2	266.5	1437.	1236.
#3	237.7	268.9	1445.	1237.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3135.8	36184.	5689.9
Stddev	22.4	283.	51.1
%RSD	.71505	.78087	.89739
#1	3152.2	36471.	5718.4
#2	3145.0	36176.	5720.2
#3	3110.2	35906.	5630.9

Sample Name: 460-111420-E-2-B@20 Acquired: 4/5/2016 10:49:49 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5324.	10.34	.1889	120.9	.3791	3880.
Stddev	8.	3.19	.5422	.3	.0456	57.
%RSD	.1560	30.83	287.0	.2632	12.04	1.462

#1	5317.	13.04	.1639	120.5	.4012	3849.
#2	5323.	6.823	-.3403	121.2	.3266	3845.
#3	5333.	11.15	.7432	120.9	.4094	3945.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0940	12.98	27.15	97.16	42390.	430.6
Stddev	.0212	.04	.70	.29	68.	27.7
%RSD	22.53	.3449	2.568	.2965	.1598	6.437

#1	-.0999	13.01	27.23	97.07	42450.	451.2
#2	-.1117	13.01	26.41	96.93	42320.	399.1
#3	-.0705	12.93	27.80	97.48	42410.	441.7

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	1919.	279.3	229.4	28.14	709.0	1.371
Stddev	25.	.9	.9	.47	2.7	2.031
%RSD	1.299	.3205	.3820	1.685	.3760	148.2

#1	1904.	278.9	229.3	27.82	708.4	1.250
#2	1906.	278.7	228.6	28.68	706.7	3.459
#3	1948.	280.4	230.3	27.91	711.9	-.5975

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

Sample Name: 460-111420-E-2-B@20 Acquired: 4/5/2016 10:49:49 Type: Unk
Method: sw03182016(v22) 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	2.273	.8179	39.65	164.8	.6506	2.814
Stddev	1.452	1.418	.66	.7	.4384	.143
%RSD	63.90	173.4	1.654	.4062	67.39	5.067
#1	3.667	.3917	40.09	165.0	1.109	2.958
#2	.7687	2.400	38.90	164.1	.6072	2.809
#3	2.382	-.3384	39.97	165.4	.2355	2.673

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	17.17	36.26	256.0	121.8
Stddev	.15	.22	.9	4.5
%RSD	.8964	.6029	.3568	3.678
#1	17.33	36.31	255.2	116.7
#2	17.16	36.02	255.8	124.8
#3	17.02	36.46	257.0	124.0

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	3099.8	36233.	5544.1
Stddev	11.8	196.	54.6
%RSD	.38082	.54214	.98492
#1	3086.4	36007.	5524.1
#2	3108.8	36356.	5502.2
#3	3104.1	36338.	5605.8

Sample Name: 460-111377-E-11-B@20 Acquired: 4/5/2016 10:57:38 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7046.	7.340	-1.881	57.67	.4648	72830.
Stddev	61.	1.941	.3512	.46	.0637	890.
%RSD	.8693	26.45	186.7	.7973	13.71	1.222
#1	6978.	6.977	.1221	57.25	.3912	71980.
#2	7096.	5.606	-.5694	57.60	.5004	72760.
#3	7066.	9.437	-.1170	58.16	.5028	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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0271	3.210	13.33	28.56	8159.	416.5
Stddev	.0461	.064	.36	.18	122.	8.9
%RSD	170.0	1.987	2.715	.6171	1.495	2.140
#1	-.0803	3.164	13.74	28.63	8039.	406.7
#2	.0001	3.184	13.09	28.69	8155.	424.2
#3	-.0011	3.283	13.15	28.36	8283.	418.4

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	11570.	241.1	89.45	9.009	43.45	-.7860
Stddev	136.	2.8	3.56	.137	1.85	2.481
%RSD	1.180	1.149	3.975	1.523	4.264	315.7
#1	11440.	238.5	92.64	9.061	41.82	-.0300
#2	11550.	240.7	85.62	8.853	43.07	1.229
#3	11710.	244.0	90.10	9.112	45.47	-3.557

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

Sample Name: 460-111377-E-11-B@20 Acquired: 4/5/2016 10:57:38 Type: Unk
Method: sw03182016(v22) 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	-4.600	-.0083	16.92	84.93	13.58	2.403
Stddev	1.260	1.536	.28	1.35	.43	.203
%RSD	27.39	18510.	1.672	1.595	3.168	8.462
#1	-5.934	-.8332	16.84	83.76	13.20	2.423
#2	-3.429	1.764	16.70	84.60	13.50	2.190
#3	-4.437	-.9552	17.24	86.41	14.05	2.595

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.931	128.2	385.1	157.6
Stddev	.833	1.1	4.8	24.7
%RSD	28.41	.8328	1.257	15.70
#1	3.279	127.1	380.1	129.1
#2	3.534	128.2	385.7	171.9
#3	1.981	129.2	389.7	171.9

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	2935.0	34582.	5287.7
Stddev	10.3	193.	22.9
%RSD	.35152	.55725	.43323
#1	2936.9	34705.	5267.8
#2	2944.1	34681.	5282.6
#3	2923.8	34360.	5312.7

Sample Name: 460-111377-E-12-B@50 Acquired: 4/5/2016 11:01:35 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4535.	29.90	2.669	1621.	.2377	23580.
Stddev	12.	.57	.144	2.	.0578	143.
%RSD	.2712	1.894	5.393	.1385	24.30	.6057
#1	4521.	30.45	2.834	1624.	.2938	23550.
#2	4543.	29.32	2.570	1620.	.2408	23460.
#3	4542.	29.92	2.602	1620.	.1784	23740.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.417	6.962	24.62	406.1	41380.	1184.
Stddev	.080	.228	.14	1.2	157.	10.
%RSD	5.656	3.277	.5497	.3049	.3796	.8545
#1	1.355	6.699	24.78	407.3	41290.	1187.
#2	1.507	7.077	24.55	406.3	41280.	1172.
#3	1.388	7.110	24.54	404.8	41560.	1191.

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	1240.	521.9	1054.	17.79	2222.	4.977
Stddev	6.	3.0	1.	.21	3.	1.251
%RSD	.4893	.5793	.0521	1.195	.1268	25.14
#1	1244.	521.3	1055.	17.87	2220.	4.330
#2	1233.	519.3	1054.	17.56	2220.	4.182
#3	1243.	525.2	1054.	17.96	2225.	6.420

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

Sample Name: 460-111377-E-12-B@50 Acquired: 4/5/2016 11:01:35 Type: Unk
Method: sw03182016(v22) 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	2.154	-1.508	6.960	1833.	9.426	2.149
Stddev	2.595	1.556	.083	2.	.202	.094
%RSD	120.5	103.2	1.188	.1191	2.141	4.378
#1	2.253	-3.245	6.983	1833.	9.629	2.218
#2	-.4894	-1.038	6.868	1830.	9.422	2.189
#3	4.697	-.2408	7.028	1835.	9.226	2.042

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	563.3	101.9	277.3	287.5
Stddev	1.0	.2	.3	7.1
%RSD	.1786	.2139	.1133	2.462
#1	563.5	102.1	276.9	281.6
#2	562.1	101.7	277.4	285.6
#3	564.1	102.0	277.5	295.3

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	3005.6	34948.	5283.1
Stddev	32.5	90.	88.2
%RSD	1.0804	.25793	1.6691
#1	2970.4	34847.	5209.6
#2	3012.3	35021.	5258.9
#3	3034.3	34975.	5380.9

Sample Name: pds 460-110977-A-1-B Acquired: 4/5/2016 12:40:36 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2297.	1891.	47.79	1908.	48.37	178700.
Stddev	8.	1.	.03	7.	.10	479.
%RSD	.3397	.0462	.0624	.3587	.2158	.2679

#1	2291.	1891.	47.78	1907.	48.48	178200.
#2	2306.	1891.	47.83	1915.	48.35	179000.
#3	2294.	1890.	47.77	1902.	48.27	179000.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.80	478.3	195.8	235.4	1078.	20690.
Stddev	.03	1.9	1.0	.4	7.	32.
%RSD	.0628	.3875	.5151	.1731	.6675	.1550

#1	47.80	478.7	196.8	235.4	1084.	20690.
#2	47.83	479.9	194.8	235.0	1070.	20720.
#3	47.77	476.3	195.9	235.8	1078.	20650.

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	18690.	495.5	F 296100.	480.6	480.3	462.5
Stddev	28.	.9	3665.	1.2	3.4	1.4
%RSD	.1516	.1728	1.238	.2411	.7150	.3109

#1	18660.	494.5	298800.	480.1	481.3	461.9
#2	18690.	495.8	297500.	481.9	483.1	464.2
#3	18720.	496.1	291900.	479.7	476.4	461.5

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: pds 460-110977-A-1-B Acquired: 4/5/2016 12:40:36 Type: Unk
Method: sw03182016(v22) 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	1949.	1929.	486.0	496.0	502.0	474.0
Stddev	4.	13.	.7	.9	.8	.7
%RSD	.2251	.6924	.1356	.1780	.1664	.1491
#1	1947.	1916.	485.8	496.8	501.3	473.3
#2	1954.	1929.	485.4	496.1	503.0	474.8
#3	1947.	1943.	486.7	495.1	501.8	474.0

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	480.4	1141.	498.1	7254.
Stddev	2.8	3.	2.0	32.
%RSD	.5857	.2530	.4063	.4470
#1	477.6	1140.	498.5	7217.
#2	483.3	1144.	500.0	7276.
#3	480.2	1138.	496.0	7270.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2858.9	32860.	5411.9
Stddev	5.3	158.	41.9
%RSD	.18631	.48013	.77388
#1	2864.3	33042.	5446.7
#2	2853.7	32781.	5365.4
#3	2858.8	32758.	5423.6

Sample Name: 460-111377-E-13-B@20 Acquired: 4/5/2016 11:05:29 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6520.	4.015	.1388	53.63	.2781	49440.
Stddev	29.	1.344	.1104	.23	.0553	433.
%RSD	.4487	33.48	79.49	.4305	19.90	.8768
#1	6487.	3.042	.0543	53.45	.2228	48940.
#2	6540.	3.456	.0986	53.55	.2780	49650.
#3	6534.	5.549	.2637	53.89	.3334	49720.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1083	3.889	13.77	16.82	11360.	1384.
Stddev	.0753	.193	.20	.33	78.	20.
%RSD	69.55	4.969	1.455	1.946	.6881	1.424
#1	-.1521	4.112	14.00	16.50	11270.	1361.
#2	-.0213	3.762	13.64	17.15	11380.	1393.
#3	-.1516	3.795	13.66	16.80	11430.	1397.

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	7818.	178.4	229.9	10.07	44.36	-1.146
Stddev	40.	1.2	7.3	.22	1.48	.034
%RSD	.5084	.6449	3.185	2.226	3.347	2.962
#1	7772.	177.1	226.9	10.22	44.31	-1.144
#2	7840.	178.8	224.6	10.18	42.90	-1.181
#3	7841.	179.3	238.3	9.813	45.87	-1.113

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

Sample Name: 460-111377-E-13-B@20 Acquired: 4/5/2016 11:05:29 Type: Unk
Method: sw03182016(v22) 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	-4.324	.2829	17.95	52.54	3.224	.5050
Stddev	1.063	.7783	.10	.42	.482	.1308
%RSD	24.58	275.1	.5553	.8051	14.96	25.89
#1	-3.986	1.140	17.87	52.19	2.867	.6512
#2	-5.515	.0899	17.92	52.41	3.773	.4647
#3	-3.471	-.3807	18.06	53.01	3.033	.3992

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.047	126.5	513.4	149.9
Stddev	.483	.3	2.2	10.9
%RSD	15.86	.2064	.4199	7.278
#1	3.381	126.2	510.9	141.7
#2	3.268	126.6	514.3	162.3
#3	2.493	126.7	514.9	145.7

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	3032.9	34823.	5435.6
Stddev	10.4	275.	34.7
%RSD	.34423	.78953	.63901
#1	3023.7	35123.	5472.4
#2	3030.7	34583.	5403.3
#3	3044.2	34762.	5431.2

Sample Name: CCB Acquired: 4/5/2016 11:13:13 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.89	.6350	.4235	.1247	.0751	15.87
Stddev	2.04	1.688	.5989	.1243	.1145	1.72
%RSD	12.86	265.8	141.4	99.68	152.5	10.81
#1	17.93	-1.072	1.064	.2619	-.0226	17.48
#2	15.91	2.303	.3292	.0925	.2010	16.07
#3	13.84	.6740	-.1226	.0196	.0468	14.06

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0331	.0638	-.1588	2.689	6.097	9.768
Stddev	.0966	.1443	.3656	.501	3.354	24.28
%RSD	291.8	226.1	230.2	18.62	55.01	248.6
#1	-.0537	.1052	-.4264	3.264	2.476	11.81
#2	.1372	.1829	.2577	2.460	6.718	-15.47
#3	.0158	-.0966	-.3077	2.344	9.096	32.96

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	3.749	.1207	-12.58	.3070	-.4763	-.4089
Stddev	.756	.0666	12.06	.2369	.9066	.6403
%RSD	20.17	55.13	95.88	77.16	190.4	156.6
#1	4.582	.0439	-14.95	.5505	.2798	-.3499
#2	3.106	.1564	.4910	.2934	-.2273	.1999
#3	3.559	.1619	-23.28	.0772	-1.481	-1.077

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

Sample Name: CCB Acquired: 4/5/2016 11:13:13 Type: QC
Method: sw03182016(v22) 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	-2.342	-.0271	-.1274	.2142	-2.645	.9028
Stddev	.909	.5681	.4202	.0597	.574	.2709
%RSD	38.84	2094.	329.8	27.87	21.70	30.00
#1	-3.392	.0361	.0193	.2678	-2.402	1.208
#2	-1.791	.5067	.1998	.2248	-2.232	.8108
#3	-1.843	-.6242	-.6013	.1499	-3.300	.6899

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.032	.1322	.2777	.4523
Stddev	.081	.5200	.0940	8.970
%RSD	7.855	393.4	33.86	1983.
#1	-1.062	-.1696	.1773	-8.733
#2	-1.094	.7326	.3637	.9009
#3	-.9404	-.1665	.2921	9.189

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	3057.2	35316.	5336.5
Stddev	17.4	342.	28.1
%RSD	.57076	.96740	.52623
#1	3037.1	34939.	5304.1
#2	3067.0	35407.	5353.4
#3	3067.6	35604.	5352.0

Sample Name: CCV Acquired: 4/5/2016 12:52:56 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123800.	2351.	1205.	9701.	989.5	120900.
Stddev	717.	6.	1.	3.	6.1	349.
%RSD	.5793	.2492	.0646	.0273	.6180	.2882

#1	123100.	2355.	1206.	9699.	983.2	121300.
#2	123800.	2344.	1204.	9704.	990.0	121000.
#3	124600.	2354.	1206.	9700.	995.4	120600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1213.	2441.	4827.	12050.	99350.	48660.
Stddev	1.	1.	13.	19.	205.	86.
%RSD	.1117	.0266	.2678	.1565	.2064	.1772

#1	1212.	2441.	4823.	12030.	99130.	48560.
#2	1214.	2442.	4842.	12060.	99540.	48680.
#3	1214.	2441.	4817.	12050.	99390.	48720.

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	119200.	4910.	124200.	2421.	7443.	956.7
Stddev	452.	16.	618.	3.	13.	.3
%RSD	.3790	.3306	.4979	.1174	.1776	.0356

#1	119600.	4928.	123500.	2418.	7428.	956.7
#2	119200.	4903.	124300.	2423.	7454.	956.4
#3	118700.	4898.	124800.	2422.	7446.	957.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/5/2016 12:52:56 Type: QC
Method: sw03182016(v22) 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	2358.	2494.	2428.	2470.	955.1	2419.
Stddev	10.	42.	10.	7.	1.0	5.
%RSD	.4348	1.692	.4008	.2671	.1066	.2172

#1	2354.	2490.	2419.	2463.	956.3	2415.
#2	2351.	2453.	2438.	2476.	954.5	2418.
#3	2370.	2537.	2428.	2470.	954.5	2425.

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	967.9	4946.	9883.	9549.
Stddev	3.7	4.	119.	13.
%RSD	.3826	.0885	1.205	.1352

#1	970.0	4951.	9801.	9557.
#2	963.6	4944.	9829.	9534.
#3	970.1	4944.	10020.	9556.

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	2775.3	32761.	5165.8
Stddev	8.7	70.	59.0
%RSD	.31313	.21519	1.1420

#1	2785.0	32841.	5227.5
#2	2768.1	32707.	5159.9
#3	2772.8	32736.	5110.0

Sample Name: MB 460-360725/1-A Acquired: 4/5/2016 11:21:20 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 2.154	F 1.828	F -1.132	F .0281	F .0086	F 15.83
Stddev	13.57	1.459	.3782	.0819	.0714	1.51
%RSD	630.0	79.77	334.0	291.6	833.1	9.516

#1	-4.765	3.117	-.3891	-.0569	-.0633	14.20
#2	-6.561	2.123	.3179	.0346	.0795	17.17
#3	17.79	.2451	-.2685	.1065	.0095	16.12

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	125000.	2500.	1250.	10000.	1000.	125000.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F .1058	F .0942	F -.4612	F 3.871	F -1.908	F -.6709
Stddev	.0575	.0142	.2473	.192	2.548	4.773
%RSD	54.39	15.06	53.62	4.963	133.6	711.5

#1	.0472	.0833	-.4848	3.661	-3.066	-.9921
#2	.1622	.0892	-.2030	4.037	1.014	-5.275
#3	.1080	.1103	-.6958	3.916	-3.671	4.255

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1250.	2500.	5000.	12500.	100000.	50000.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -.7024	F .0354	F -33.61	F .3423	F -.3239	F .0016
Stddev	3.688	.0789	4.38	.1952	.5167	1.650
%RSD	525.0	222.9	13.02	57.01	159.5	101000.

#1	-4.020	.0896	-30.61	.1379	-.1723	1.696
#2	3.268	-.0551	-38.64	.5267	.1000	-.0912
#3	-1.355	.0716	-31.59	.3624	-.8995	-1.600

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	125000.	5000.	125000.	2500.	7500.	1000.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Sample Name: MB 460-360725/1-A Acquired: 4/5/2016 11:21:20 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -3.024	F 1.207	F -.3054	F .6880	F -3.165	F .1381
Stddev	.496	.882	.1475	.1429	.543	.2350
%RSD	16.40	73.10	48.29	20.78	17.17	170.2

#1	-2.855	1.560	-.2582	.6256	-2.636	.3345
#2	-3.582	.2028	-.1872	.5868	-3.721	-.1223
#3	-2.635	1.858	-.4706	.8515	-3.138	.2020

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2500.	2500.	2500.	2500.	1000.	2500.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F .0781	F -.0588	F .0795	F 2.637
Stddev	.5937	.0678	.0709	14.93
%RSD	760.1	115.4	89.19	566.3

#1	.0190	.0004	.1373	17.26
#2	.6991	-.1327	.1007	3.250
#3	-.4838	-.0439	.0004	-12.59

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	5000.	10000.	10000.
Range	-5.500%	-5.500%	-5.500%	-5.500%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3071.0	35358.	5357.1
Stddev	9.6	95.	27.0
%RSD	.31187	.27000	.50432

#1	3082.1	35416.	5328.5
#2	3065.3	35409.	5360.5
#3	3065.7	35247.	5382.2

Sample Name: 460-111445-A-1-B@5 Acquired: 4/5/2016 13:09:08 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	432.2	.9390	-.4322	26.97	.0257	153800.
Stddev	27.8	1.674	.2922	.02	.0577	395.
%RSD	6.438	178.3	67.60	.0822	224.5	.2567

#1	419.0	1.079	-.4531	26.97	-.0103	154200.
#2	413.4	-.8008	-.7133	26.99	-.0048	153800.
#3	464.1	2.539	-.1301	26.95	.0922	153400.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0051	-.3125	1.001	.0160	5.101	821.8
Stddev	.0978	.1961	.216	.2070	1.391	27.8
%RSD	1904.	62.76	21.59	1290.	27.27	3.388

#1	.0090	-.4857	1.075	.1509	4.627	808.9
#2	-.0946	-.0995	1.171	.1196	6.667	802.8
#3	.1010	-.3524	.7579	-.2223	4.009	853.7

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	55.20	.1640	F 272700.	.6058	-.7658	-1.303
Stddev	4.53	.0454	2687.	.1139	.9095	1.145
%RSD	8.208	27.66	.9855	18.79	118.8	87.89

#1	55.35	.2016	270200.	.6164	-1.768	-.6034
#2	59.65	.1136	275500.	.7140	.0080	-2.624
#3	50.59	.1767	272300.	.4870	-.5377	-.6807

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111445-A-1-B@5 Acquired: 4/5/2016 13:09:08 Type: Unk
Method: sw03182016(v22) 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	-2.371	.4819	.8237	.9767	5.188	.3712
Stddev	3.112	2.025	.1629	.1524	.336	.3721
%RSD	131.2	420.3	19.78	15.60	6.475	100.2
#1	-.2422	2.640	.9841	1.125	5.214	.6830
#2	-.9289	.1826	.6584	.9839	4.840	.4712
#3	-5.943	-1.377	.8286	.8209	5.510	-.0406

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.9460	695.7	2.289	2682.
Stddev	.8812	1.7	.185	3.
%RSD	93.15	.2489	8.059	.1070
#1	-1.026	693.7	2.208	2679.
#2	-.0273	697.0	2.159	2685.
#3	-1.784	696.4	2.500	2683.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2799.8	32731.	5213.3
Stddev	2.0	53.	31.2
%RSD	.07108	.16218	.59925
#1	2802.1	32751.	5235.3
#2	2798.3	32771.	5227.1
#3	2799.1	32671.	5177.6

Sample Name: 460-111445-A-2-B@5 Acquired: 4/5/2016 13:13:22 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	265.2	2.184	-.0220	19.79	-.0301	144200.
Stddev	1.7	2.668	.4054	.12	.0549	1284.
%RSD	.6264	122.1	1842.	.6222	182.5	.8903

#1	265.6	5.129	.0319	19.65	.0319	145400.
#2	266.6	1.494	.3537	19.85	-.0727	142900.
#3	263.4	-.0710	-.4517	19.86	-.0494	144500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0555	-.2581	-1.279	-.2754	6.428	611.9
Stddev	.0359	.0586	.112	.1531	5.920	12.9
%RSD	64.82	22.72	8.751	55.61	92.10	2.100

#1	-.0410	-.1921	-1.172	-.2331	10.06	624.6
#2	-.0290	-.3043	-1.395	-.4452	-.4035	598.9
#3	-.0964	-.2779	-1.272	-.1478	9.632	612.4

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	3224.	.1888	F 277300.	.2307	-2.994	.8001
Stddev	21.	.0678	845.	.4730	.218	.7631
%RSD	.6498	35.92	.3048	205.0	7.278	95.37

#1	3247.	.2621	277400.	.4740	-3.080	1.564
#2	3205.	.1760	276400.	.5325	-3.156	.7988
#3	3220.	.1283	278100.	-.3144	-2.746	.0377

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111445-A-2-B@5 Acquired: 4/5/2016 13:13:22 Type: Unk
Method: sw03182016(v22) 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	-4.555	.4182	1.967	.7662	19.13	.4823
Stddev	2.460	1.438	.411	.1487	.78	.0624
%RSD	54.00	344.0	20.89	19.41	4.066	12.94
#1	-6.014	1.781	2.230	.7925	19.32	.4135
#2	-5.935	-1.085	2.178	.9001	19.79	.5354
#3	-1.715	.5582	1.494	.6061	18.27	.4979

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3047	708.3	1.910	3703.
Stddev	.2770	2.9	.239	47.
%RSD	90.91	.4082	12.50	1.260
#1	-.3181	705.1	2.126	3650.
#2	-.5747	709.0	1.951	3725.
#3	-.0212	710.7	1.654	3735.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2792.9	32839.	5211.6
Stddev	5.2	330.	30.1
%RSD	.18453	1.0043	.57805
#1	2790.0	32561.	5177.9
#2	2789.9	33204.	5221.1
#3	2798.9	32752.	5235.9

Sample Name: 460-111371-D-2-B DU Acquired: 4/5/2016 11:29:07 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1761.	3.339	.2422	50.78	-.0120	21340.
Stddev	13.	1.112	.3270	.08	.0979	51.
%RSD	.7508	33.30	135.0	.1512	818.3	.2404

#1	1747.	4.516	.5443	50.85	.0732	21290.
#2	1773.	3.196	.2873	50.70	.0099	21340.
#3	1763.	2.306	-.1049	50.78	-.1190	21390.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8249	2.658	6.697	113.0	5923.	4136.
Stddev	.0379	.055	.449	.7	18.	21.
%RSD	4.595	2.049	6.697	.5983	.3023	.5039

#1	.8680	2.720	7.005	112.2	5943.	4154.
#2	.8101	2.639	6.904	113.5	5918.	4140.
#3	.7966	2.616	6.182	113.2	5908.	4113.

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	2883.	124.3	15110.	13.05	335.6	4.552
Stddev	19.	.5	32.	.16	.8	.604
%RSD	.6478	.3792	.2122	1.203	.2456	13.26

#1	2862.	123.8	15090.	13.14	334.7	3.913
#2	2898.	124.8	15090.	12.87	336.3	4.630
#3	2889.	124.3	15140.	13.15	335.8	5.113

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

Sample Name: 460-111371-D-2-B DU Acquired: 4/5/2016 11:29:07 Type: Unk
Method: sw03182016(v22) 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	-6.677	2.610	6.779	481.9	185.9	37.18
Stddev	2.024	.670	.244	1.1	.9	.11
%RSD	30.31	25.67	3.598	.2261	.4796	.3014
#1	-4.353	1.861	6.737	481.5	186.6	37.18
#2	-7.624	2.817	7.040	481.1	186.1	37.30
#3	-8.053	3.152	6.558	483.1	184.9	37.07

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.813	120.7	77.14	4771.
Stddev	.398	.6	.26	33.
%RSD	21.98	.4637	.3339	.6820
#1	2.038	120.1	77.35	4773.
#2	2.047	120.9	77.22	4801.
#3	1.353	121.1	76.86	4737.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3121.3	36354.	5696.2
Stddev	4.1	194.	27.6
%RSD	.13205	.53290	.48508
#1	3125.6	36529.	5690.7
#2	3121.0	36388.	5726.2
#3	3117.3	36146.	5671.8

Sample Name: 460-111445-A-5-B@5 Acquired: 4/5/2016 13:26:03 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	390.7	2.180	-.0387	45.28	.0514	155300.
Stddev	15.7	.709	.1459	.13	.0551	453.
%RSD	4.014	32.53	377.2	.2804	107.2	.2916

#1	397.1	2.764	.1058	45.19	.0948	154900.
#2	372.9	2.385	-.1859	45.23	-.0106	155800.
#3	402.2	1.391	-.0359	45.43	.0700	155300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1426	-.1863	47.59	.2808	-.0594	532.3
Stddev	.0836	.1094	.56	.0660	5.517	15.1
%RSD	58.63	58.74	1.185	23.50	9296.	2.838

#1	-.2385	-.3015	46.94	.2897	-6.194	519.7
#2	-.1046	-.0837	47.96	.3419	1.521	549.0
#3	-.0847	-.1738	47.87	.2108	4.496	528.2

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.655	.0565	F 263700.	.3879	-.1033	-1.447
Stddev	4.207	.0197	2028.	.5063	.6589	.924
%RSD	48.61	34.84	.7693	130.5	637.7	63.90

#1	9.894	.0792	265200.	.0976	.6403	-2.237
#2	3.967	.0431	264400.	.0936	-.6145	-1.674
#3	12.10	.0474	261400.	.9725	-.3358	-.4300

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111445-A-5-B@5 Acquired: 4/5/2016 13:26:03 Type: Unk
Method: sw03182016(v22) 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	-3.433	1.376	-.0864	.8010	-1.881	2.029
Stddev	2.136	.673	.3565	.0509	.220	.156
%RSD	62.23	48.90	412.5	6.351	11.70	7.675
#1	-1.030	.6535	-.4551	.8338	-2.102	1.850
#2	-5.117	1.490	.2565	.7424	-1.662	2.136
#3	-4.153	1.985	-.0607	.8269	-1.880	2.100

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6042	249.5	1.421	868.6
Stddev	.6335	.2	.160	9.9
%RSD	104.8	.0656	11.28	1.142
#1	-4.248	249.4	1.360	857.6
#2	-1.308	249.7	1.603	871.4
#3	-.0798	249.5	1.300	876.8

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	2817.6	33011.	5341.4
Stddev	11.1	154.	33.1
%RSD	.39379	.46625	.61878
#1	2830.1	33130.	5377.4
#2	2808.8	32837.	5334.2
#3	2814.0	33066.	5312.5

Sample Name: sd 460-111371-D-2-A Acquired: 4/5/2016 11:36:57 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	465.5	.6806	.4095	9.538	.0373	4029.
Stddev	3.8	2.059	.4038	.041	.0731	18.
%RSD	.8072	302.6	98.61	.4248	195.9	.4561
#1	462.2	-1.428	.8622	9.579	-.0442	4049.
#2	469.6	.7833	.0861	9.536	.0592	4013.
#3	464.7	2.687	.2804	9.498	.0969	4026.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1620	.5419	1.086	22.33	1123.	776.6
Stddev	.1310	.1282	.241	.13	5.	14.5
%RSD	80.88	23.65	22.18	.5990	.4487	1.870
#1	.2977	.6842	1.005	22.44	1121.	759.9
#2	.0362	.5059	.8962	22.18	1129.	785.5
#3	.1521	.4356	1.357	22.36	1120.	784.5

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	532.1	23.80	2879.	2.721	63.75	.3659
Stddev	6.8	.11	1.	.670	.56	1.035
%RSD	1.274	.4655	.0392	24.63	.8853	282.9
#1	537.8	23.86	2879.	3.226	64.29	.0183
#2	524.6	23.67	2878.	2.976	63.17	1.530
#3	533.7	23.87	2880.	1.961	63.81	-.4508

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

Sample Name: sd 460-111371-D-2-A Acquired: 4/5/2016 11:36:57 Type: Unk
Method: sw03182016(v22) 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	-2.726	1.578	1.055	89.37	31.64	7.210
Stddev	.702	.849	.079	.15	.34	.203
%RSD	25.74	53.81	7.447	.1662	1.079	2.822
#1	-2.070	2.534	1.129	89.45	31.92	7.354
#2	-3.466	1.286	1.064	89.47	31.75	6.978
#3	-2.643	.9131	.9729	89.20	31.26	7.299

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3885	22.82	14.62	881.5
Stddev	.6092	.21	.21	13.8
%RSD	156.8	.9335	1.404	1.564
#1	.0559	22.76	14.38	867.3
#2	-.1385	22.65	14.75	894.8
#3	-1.083	23.06	14.73	882.5

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	3130.4	36609.	5572.8
Stddev	15.5	281.	77.6
%RSD	.49398	.76621	1.3926
#1	3117.8	36313.	5496.1
#2	3125.7	36871.	5570.9
#3	3147.6	36643.	5651.3

Sample Name: 460-111417-A-5-C@5 Acquired: 4/5/2016 13:34:30 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123.6	1.783	-0.669	96.37	.1839	3550.
Stddev	8.3	.933	.1011	.37	.0520	50.
%RSD	6.701	52.33	151.0	.3831	28.28	1.420
#1	114.1	2.216	.0407	95.99	.2271	3523.
#2	128.9	2.422	-.0817	96.41	.1984	3518.
#3	127.9	.7123	-.1598	96.72	.1262	3608.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0964	2.044	.1588	5.846	109.0	676.7
Stddev	.0518	.079	.2381	.720	7.8	7.5
%RSD	53.75	3.867	149.9	12.31	7.113	1.111
#1	.0801	1.974	-.0706	5.699	113.9	679.2
#2	.0547	2.130	.4047	5.211	100.0	682.5
#3	.1545	2.029	.1424	6.628	113.0	668.2

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	568.0	865.0	F 250800.	2.513	11.75	.3029
Stddev	9.9	9.8	940.	.032	1.02	.7177
%RSD	1.745	1.135	.3749	1.287	8.700	236.9
#1	569.2	859.3	251700.	2.516	11.21	1.116
#2	557.6	859.4	249800.	2.544	12.93	.0351
#3	577.3	876.4	251000.	2.479	11.12	-.2423

Check ? **Chk Pass** **Chk Pass** **Chk Fail** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit **250000.**
 -5000.

Sample Name: 460-111417-A-5-C@5 Acquired: 4/5/2016 13:34:30 Type: Unk
Method: sw03182016(v22) 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	-2.385	.4654	-.2537	12.42	10.56	-.1164
Stddev	2.250	.8226	.1805	.08	.32	.0817
%RSD	94.31	176.7	71.14	.6216	3.004	70.18
#1	.2013	.9129	-.1745	12.46	10.87	-.0978
#2	-3.472	.9673	-.1264	12.33	10.57	-.2057
#3	-3.885	-.4839	-.4603	12.47	10.24	-.0456

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6053	32.24	.9044	328.4
Stddev	.8343	.03	.0865	13.9
%RSD	137.8	.0902	9.564	4.243
#1	-.0990	32.23	.9906	322.3
#2	-.1486	32.22	.9051	344.4
#3	-1.568	32.27	.8176	318.7

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	2885.6	34017.	5456.5
Stddev	9.5	271.	54.2
%RSD	.33006	.79575	.99299
#1	2876.2	34222.	5397.8
#2	2895.3	34120.	5467.0
#3	2885.3	33710.	5504.6

Sample Name: 460-111371-D-2-C MS Acquired: 4/5/2016 11:41:00 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3666.	1596.	41.88	1688.	42.75	36950.
Stddev	18.	5.	.22	4.	.19	149.
%RSD	.4823	.3256	.5176	.2413	.4401	.4038
#1	3652.	1593.	42.12	1683.	42.91	36780.
#2	3686.	1602.	41.82	1690.	42.81	37020.
#3	3659.	1593.	41.70	1689.	42.55	37040.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43.28	428.2	174.5	308.1	6540.	19300.
Stddev	.22	1.0	.8	1.3	31.	63.
%RSD	.5036	.2345	.4854	.4056	.4710	.3273
#1	43.18	427.1	173.7	308.4	6519.	19280.
#2	43.53	428.9	175.4	309.2	6575.	19380.
#3	43.12	428.7	174.3	306.7	6526.	19260.

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	19010.	547.8	31490.	439.6	758.0	387.3
Stddev	79.	2.0	99.	1.1	3.7	1.6
%RSD	.4175	.3734	.3145	.2580	.4837	.4173
#1	18920.	545.5	31460.	438.3	753.8	388.1
#2	19080.	549.4	31600.	440.5	760.3	388.3
#3	19020.	548.6	31410.	439.9	760.0	385.4

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

Sample Name: 460-111371-D-2-C MS Acquired: 4/5/2016 11:41:00 Type: Unk
Method: sw03182016(v22) 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	1653.	1817.	422.7	895.7	597.4	432.8
Stddev	5.	11.	2.2	3.0	.8	1.1
%RSD	.2821	.5868	.5135	.3331	.1366	.2571
#1	1658.	1826.	421.1	893.9	597.6	433.2
#2	1651.	1818.	425.1	899.1	598.1	433.7
#3	1649.	1805.	421.7	894.0	596.5	431.6

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	412.8	537.1	517.7	5954.
Stddev	1.1	1.9	.4	20.
%RSD	.2616	.3599	.0763	.3432
#1	412.9	535.0	517.4	5965.
#2	413.9	538.7	518.2	5966.
#3	411.7	537.7	517.6	5930.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3105.8	35831.	5668.8
Stddev	21.4	395.	31.9
%RSD	.68944	1.1022	.56257
#1	3130.2	36272.	5703.3
#2	3097.2	35713.	5640.4
#3	3090.0	35509.	5662.6

Sample Name: pds 460-111371-D-2-A Acquired: 4/5/2016 11:44:42 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3637.	1790.	47.06	1891.	47.73	39380.
Stddev	39.	9.	.42	14.	.36	437.
%RSD	1.072	.4929	.9000	.7237	.7589	1.110
#1	3597.	1784.	46.67	1880.	47.31	38990.
#2	3638.	1800.	46.99	1906.	47.92	39850.
#3	3675.	1786.	47.51	1886.	47.96	39300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.36	479.2	195.8	331.9	6651.	21110.
Stddev	.38	3.9	2.8	3.1	30.	257.
%RSD	.7918	.8066	1.425	.9215	.4559	1.217
#1	48.23	476.4	192.6	328.4	6624.	20820.
#2	48.80	483.6	197.5	333.3	6684.	21180.
#3	48.07	477.5	197.3	334.1	6645.	21320.

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	21050.	602.8	33530.	492.6	813.3	451.5
Stddev	279.	8.8	305.	3.1	5.8	5.3
%RSD	1.323	1.459	.9098	.6201	.7072	1.178
#1	20750.	593.9	33180.	489.7	811.9	445.8
#2	21290.	611.4	33660.	495.8	819.6	456.3
#3	21100.	603.1	33750.	492.3	808.3	452.3

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

Sample Name: pds 460-111371-D-2-A Acquired: 4/5/2016 11:44:42 Type: Unk
Method: sw03182016(v22) 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.	2028.	474.1	950.8	654.1	490.6
Stddev	11.	41.	5.1	8.0	5.2	4.8
%RSD	.6154	2.042	1.085	.8413	.8022	.9782
#1	1863.	2053.	468.3	956.0	652.1	487.4
#2	1871.	2051.	475.7	954.8	660.0	496.1
#3	1848.	1980.	478.2	941.6	650.2	488.2

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	473.6	587.4	554.1	4734.
Stddev	4.3	9.1	6.2	56.
%RSD	.9132	1.546	1.117	1.189
#1	473.1	577.4	547.1	4779.
#2	478.2	589.9	556.6	4752.
#3	469.6	595.0	558.7	4671.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3066.8	35241.	5573.8
Stddev	25.6	417.	79.9
%RSD	.83630	1.1844	1.4326
#1	3091.6	35654.	5665.9
#2	3040.4	34819.	5531.9
#3	3068.5	35251.	5523.7

Sample Name: 460-111371-D-1-A Acquired: 4/5/2016 11:48:24 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2988.	2.667	-.0236	104.7	.0301	63780.
Stddev	10.	1.345	.2672	.4	.1102	241.
%RSD	.3370	50.42	1132.	.3829	366.5	.3780
#1	2984.	3.990	.0776	104.6	-.0960	63960.
#2	2999.	1.302	.1782	105.1	.0786	63860.
#3	2980.	2.708	-.3266	104.4	.1076	63500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.246	4.146	16.38	155.4	6706.	5645.
Stddev	.042	.169	.35	.3	37.	2.
%RSD	3.378	4.066	2.164	.2023	.5550	.0332
#1	1.290	3.955	16.04	155.1	6718.	5644.
#2	1.207	4.210	16.35	155.3	6736.	5647.
#3	1.241	4.274	16.75	155.7	6664.	5644.

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	8786.	137.8	37040.	16.09	156.3	4.151
Stddev	10.	.2	40.	.40	1.1	.803
%RSD	.1086	.1687	.1076	2.487	.6988	19.34
#1	8780.	137.8	37010.	15.66	155.1	3.454
#2	8797.	138.0	37030.	16.17	156.8	3.969
#3	8781.	137.5	37080.	16.44	157.1	5.029

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

Sample Name: 460-111371-D-1-A Acquired: 4/5/2016 11:48:24 Type: Unk
Method: sw03182016(v22) 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	-3.475	2.616	9.494	327.0	396.7	13.44
Stddev	4.494	.400	.080	.5	2.5	.28
%RSD	129.3	15.29	.8401	.1380	.6184	2.080
#1	-0.165	2.689	9.495	327.5	394.3	13.16
#2	-8.554	2.975	9.414	327.0	396.5	13.43
#3	-1.853	2.185	9.573	326.6	399.2	13.72

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.050	374.0	147.8	7265.
Stddev	.660	1.4	.2	81.
%RSD	32.19	.3612	.1180	1.109
#1	2.482	374.3	147.6	7358.
#2	2.378	372.5	147.9	7222.
#3	1.290	375.2	147.9	7215.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3051.1	35764.	5587.7
Stddev	6.8	150.	97.8
%RSD	.22277	.42035	1.7509
#1	3056.6	35931.	5699.9
#2	3053.2	35639.	5520.1
#3	3043.5	35723.	5543.0

Sample Name: CCV Acquired: 4/5/2016 12:00:29 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120000.	2346.	1185.	9618.	961.5	121300.
Stddev	2171.	43.	16.	165.	19.7	1659.
%RSD	1.809	1.849	1.357	1.711	2.051	1.368

#1	120800.	2384.	1188.	9782.	971.5	120900.
#2	121800.	2357.	1199.	9618.	974.2	123100.
#3	117600.	2299.	1167.	9453.	938.7	119800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1203.	2402.	4841.	11830.	97810.	47700.
Stddev	20.	37.	83.	266.	1428.	843.
%RSD	1.703	1.536	1.721	2.248	1.460	1.768

#1	1223.	2437.	4864.	12020.	98000.	48050.
#2	1203.	2404.	4911.	11950.	99130.	48300.
#3	1182.	2364.	4749.	11530.	96290.	46730.

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	120100.	4905.	120300.	2398.	7246.	935.2
Stddev	1837.	63.	2016.	46.	113.	17.2
%RSD	1.529	1.293	1.676	1.900	1.559	1.838

#1	120300.	4893.	121000.	2445.	7351.	952.8
#2	121900.	4973.	121900.	2395.	7260.	934.3
#3	118300.	4848.	118000.	2354.	7126.	918.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/5/2016 12:00:29 Type: QC
Method: sw03182016(v22) 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	2347.	2409.	2397.	2430.	944.0	2378.
Stddev	44.	35.	44.	38.	19.2	39.
%RSD	1.863	1.469	1.855	1.571	2.031	1.645

#1	2387.	2400.	2418.	2465.	964.2	2415.
#2	2354.	2448.	2427.	2434.	941.6	2381.
#3	2300.	2379.	2346.	2389.	926.0	2337.

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	960.6	4869.	9591.	9126.
Stddev	15.4	79.	179.	252.
%RSD	1.604	1.618	1.861	2.761

#1	975.4	4906.	9694.	9377.
#2	961.7	4923.	9694.	9130.
#3	944.7	4779.	9385.	8873.

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	2821.9	32936.	5246.0
Stddev	28.4	234.	70.1
%RSD	1.0059	.71170	1.3359

#1	2791.6	33087.	5288.1
#2	2826.2	32666.	5165.1
#3	2847.9	33054.	5284.7

Sample Name: CCB Acquired: 4/5/2016 12:04:17 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8619	1.404	.1423	.2342	.0543	4.678
Stddev	11.58	1.628	.5983	.1513	.0516	3.012
%RSD	1343.	116.0	420.5	64.60	95.08	64.39
#1	-6.992	1.116	.8330	.1523	.0479	1.359
#2	-4.581	3.156	-.1917	.1416	.0062	7.239
#3	14.16	-.0615	-.2144	.4089	.1088	5.436

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0665	-.0078	.0133	1.500	-3.827	-4.170
Stddev	.0418	.1707	.5564	.666	5.621	12.31
%RSD	62.90	2178.	4179.	44.40	146.9	295.3
#1	-.0950	.0001	-.0786	2.086	2.575	-.6805
#2	-.0185	-.1824	.6100	.7757	-7.950	-17.85
#3	-.0859	.1587	-.4914	1.639	-6.108	6.023

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	1.888	.0963	24.97	.1075	1.625	.9849
Stddev	5.829	.0025	11.75	.4340	1.437	.2942
%RSD	308.7	2.629	47.08	403.7	88.41	29.88
#1	8.583	.0981	36.22	-.0984	.6602	.6541
#2	-2.063	.0973	25.91	.6061	3.277	1.217
#3	-.8547	.0934	12.77	-.1852	.9388	1.083

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

Sample Name: CCB Acquired: 4/5/2016 12:04:17 Type: QC
Method: sw03182016(v22) 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	-2.146	1.366	-.0626	.2464	-1.725	.9633
Stddev	.896	1.477	.3013	.0495	.400	.2793
%RSD	41.76	108.1	481.4	20.08	23.21	28.99
#1	-2.817	2.299	-.2236	.2108	-1.265	1.200
#2	-1.128	2.136	-.2491	.2255	-1.916	1.035
#3	-2.494	-.3369	.2850	.3029	-1.994	.6552

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6737	-.0164	.3757	6.386
Stddev	.4482	.0666	.1665	9.572
%RSD	66.53	405.2	44.31	149.9
#1	-1.181	.0505	.5665	-3.156
#2	-.3298	-.0827	.2602	15.99
#3	-.5107	-.0172	.3003	6.326

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	3056.5	35516.	5346.7
Stddev	8.4	275.	28.6
%RSD	.27630	.77311	.53497
#1	3056.6	35244.	5364.7
#2	3064.9	35793.	5361.8
#3	3048.0	35511.	5313.8

Sample Name: CCVL Acquired: 4/5/2016 12:08:23 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	213.3	15.17	9.542	204.7	1.973	5016.
Stddev	14.0	1.31	.393	.3	.087	12.
%RSD	6.548	8.650	4.119	.1284	4.392	.2438

#1	199.4	14.40	9.703	205.1	2.003	5003.
#2	227.4	16.69	9.830	204.6	2.040	5028.
#3	213.2	14.43	9.094	204.6	1.875	5018.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.112	52.14	10.09	25.12	159.6	4762.
Stddev	.031	.27	.58	.51	5.1	36.
%RSD	.7476	.5082	5.790	2.042	3.167	.7472

#1	4.137	52.11	9.606	24.53	154.2	4788.
#2	4.123	51.89	10.74	25.46	164.2	4778.
#3	4.078	52.41	9.923	25.36	160.2	4722.

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	4938.	15.88	4885.	42.33	10.72	18.41
Stddev	18.	.07	18.	.42	1.15	1.27
%RSD	.3585	.4331	.3766	.9847	10.73	6.917

#1	4918.	15.82	4887.	42.60	11.99	16.94
#2	4950.	15.86	4903.	41.85	9.737	19.09
#3	4947.	15.95	4866.	42.53	10.45	19.20

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/5/2016 12:08:23 Type: QC
Method: sw03182016(v22) 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	15.89	21.48	49.17	31.45	45.43	19.75
Stddev	3.48	.62	.46	.26	.15	.03
%RSD	21.90	2.900	.9283	.8144	.3213	.1287

#1	12.18	21.37	48.65	31.32	45.48	19.78
#2	19.08	20.91	49.48	31.28	45.55	19.73
#3	16.40	22.15	49.39	31.74	45.27	19.74

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	50.09	20.25	20.59	F 4.252
Stddev	.99	.16	.19	12.29
%RSD	1.986	.7753	.9080	289.0

#1	51.05	20.12	20.55	-3.108
#2	50.17	20.42	20.43	18.44
#3	49.06	20.22	20.80	-2.573

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3065.9	35458.	5394.2
Stddev	15.0	58.	59.8
%RSD	.49065	.16443	1.1080

#1	3049.1	35499.	5394.5
#2	3070.3	35392.	5334.4
#3	3078.1	35485.	5453.9

Sample Name: MB 460-360453/1-A Acquired: 4/5/2016 12:16:12 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.236	2.950	.1870	-.0500	-.0120	2.308
Stddev	6.771	1.254	.3862	.1329	.1484	4.634
%RSD	159.8	42.52	206.6	265.7	1232.	200.7

#1	6.089	3.856	-.1414	.0963	-.0697	-3.023
#2	-3.268	1.518	.6124	-.0830	.1565	4.581
#3	9.888	3.475	.0898	-.1633	-.1230	5.367

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0106	.0878	-.3742	-.6794	.9718	-35.83
Stddev	.1180	.0950	.1719	.6133	8.365	6.01
%RSD	1108.	108.2	45.95	90.28	860.9	16.77

#1	.1335	-.0218	-.3534	-.4562	10.22	-42.49
#2	.0002	.1460	-.2136	-1.373	-6.056	-34.18
#3	-.1018	.1393	-.5555	-.2088	-1.254	-30.82

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1317	.0111	-24.11	.1384	1.012	.4953
Stddev	3.976	.0306	5.50	.1852	1.383	.5528
%RSD	3019.	275.7	22.83	133.8	136.6	111.6

#1	-.2513	.0240	-17.80	.2430	.0041	.8484
#2	4.285	-.0238	-26.58	.2478	.4437	-.1418
#3	-3.639	.0332	-27.95	-.0754	2.588	.7792

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

Sample Name: MB 460-360453/1-A Acquired: 4/5/2016 12:16:12 Type: QC

Method: sw03182016(v22) 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	-3.030	1.446	-1.1802	.6944	-2.932	.0681
Stddev	1.090	.525	.2912	.1605	.376	.1338
%RSD	35.97	36.31	161.6	23.11	12.81	196.4

#1	-4.038	2.048	-.4744	.8798	-2.518	.2066
#2	-1.874	1.211	-.1741	.6033	-3.029	.0581
#3	-3.178	1.080	.1080	.6002	-3.250	-.0604

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6197	-.0331	.1021	-1.617
Stddev	.2294	.0411	.1060	.815
%RSD	37.01	124.3	103.8	50.43

#1	-.4317	-.0476	.1464	-1.158
#2	-.5521	.0133	-.0188	-1.134
#3	-.8752	-.0649	.1788	-2.558

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	3033.0	35834.	5379.6
Stddev	9.5	333.	30.8
%RSD	.31190	.92997	.57332

#1	3039.5	35781.	5367.7
#2	3037.4	36191.	5414.6
#3	3022.2	35531.	5356.4

Sample Name: LCS 460-360453/2-A@2 Acquired: 4/5/2016 12:20:17 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2461.	2320.	236.9	5034.	498.4	9904.
Stddev	9.	13.	.2	6.	1.6	26.
%RSD	.3585	.5559	.0813	.1272	.3157	.2637

#1	2451.	2312.	237.2	5032.	496.6	9934.
#2	2468.	2335.	236.8	5041.	498.8	9893.
#3	2462.	2313.	236.8	5029.	499.7	9885.

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	525.1	536.0	2511.	481.6	508.8	9512.
Stddev	1.1	1.0	8.	1.2	12.6	7.
%RSD	.2083	.1777	.3292	.2478	2.474	.0707

#1	524.2	535.2	2520.	480.8	495.6	9509.
#2	526.3	537.1	2506.	481.1	510.1	9508.
#3	524.7	535.9	2506.	483.0	520.6	9520.

Check ?	Chk Pass	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	9733.	528.4	9682.	541.9	2600.	478.7
Stddev	63.	2.5	37.	.3	6.	2.4
%RSD	.6463	.4742	.3820	.0644	.2498	.5066

#1	9804.	531.2	9642.	542.0	2593.	475.9
#2	9709.	527.6	9691.	542.2	2606.	480.3
#3	9686.	526.3	9714.	541.6	2601.	479.8

Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Sample Name: LCS 460-360453/2-A@2 Acquired: 4/5/2016 12:20:17 Type: QC
Method: sw03182016(v22) 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	485.6	547.3	250.5	537.6	492.9	504.9
Stddev	6.1	7.3	1.1	1.4	2.5	2.9
%RSD	1.266	1.336	.4204	.2522	.5112	.5823

#1	479.5	538.9	249.3	536.0	490.0	501.5
#2	491.7	551.3	250.9	538.3	494.3	506.3
#3	485.5	551.8	251.4	538.4	494.3	506.9

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	495.9	498.5	505.9	39.36
Stddev	3.1	1.2	.8	6.90
%RSD	.6288	.2351	.1579	17.53

#1	492.5	497.9	505.2	31.88
#2	496.3	497.7	506.8	40.72
#3	498.7	499.8	505.8	45.48

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	2991.9	35187.	5313.1
Stddev	6.0	36.	38.5
%RSD	.19952	.10371	.72539

#1	2998.7	35158.	5307.4
#2	2988.6	35176.	5354.2
#3	2988.2	35228.	5277.7

Sample Name: 460-110977-A-1-C DU Acquired: 4/5/2016 12:24:11 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	343.8	1.308	-.2726	24.41	-.0066	163700.
Stddev	22.8	.891	.4969	.09	.0402	319.
%RSD	6.635	68.08	182.3	.3543	610.5	.1950

#1	344.5	.5446	-.6906	24.45	.0398	163900.
#2	366.2	1.094	.2767	24.31	-.0306	163300.
#3	320.6	2.287	-.4040	24.46	-.0290	163900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0169	-.0516	.7097	1.124	103.0	2795.
Stddev	.0353	.1758	.8267	.314	4.6	20.
%RSD	209.2	340.7	116.5	27.94	4.426	.7080

#1	.0220	-.2544	1.630	1.420	98.89	2777.
#2	-.0207	.0592	.0290	.7946	107.9	2816.
#3	.0494	.0403	.4705	1.157	102.3	2794.

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	461.9	2.326	F 279300.	.5690	-4.784	-.7257
Stddev	5.2	.046	4164.	.3203	.292	.6260
%RSD	1.124	1.968	1.491	56.30	6.110	86.26

#1	456.1	2.361	281000.	.9382	-5.063	-.0478
#2	466.1	2.274	282300.	.3650	-4.807	-1.282
#3	463.5	2.343	274500.	.4037	-4.480	-.8474

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-110977-A-1-C DU Acquired: 4/5/2016 12:24:11 Type: Unk
Method: sw03182016(v22) 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	-4.306	-.0885	2.077	2.491	17.43	.8291
Stddev	3.039	.7186	.300	.161	.60	.0681
%RSD	70.58	811.5	14.46	6.465	3.421	8.214
#1	-7.814	.3785	2.358	2.411	16.79	.8699
#2	-2.641	.2718	2.113	2.677	17.53	.8668
#3	-2.463	-.9160	1.761	2.386	17.98	.7504

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.295	658.0	5.541	7226.
Stddev	.264	3.7	.983	18.
%RSD	20.36	.5562	17.73	.2473
#1	-.9978	662.2	4.595	7247.
#2	-1.386	656.4	6.556	7217.
#3	-1.501	655.5	5.472	7215.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2822.7	32534.	5260.2
Stddev	9.9	37.	13.8
%RSD	.35093	.11243	.26172
#1	2827.3	32509.	5261.4
#2	2811.3	32576.	5245.8
#3	2829.5	32517.	5273.3

Sample Name: 460-110977-A-1-B Acquired: 4/5/2016 12:28:23 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	342.6	2.143	-.0506	24.15	.0859	163600.
Stddev	20.1	1.300	.4418	.14	.0813	106.
%RSD	5.858	60.69	872.5	.5826	94.65	.0647

#1	324.9	1.393	-.2558	24.32	.0085	163500.
#2	338.6	1.391	.4565	24.09	.1706	163700.
#3	364.4	3.644	-.3526	24.06	.0785	163700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0200	-.0386	.4250	1.781	105.4	2811.
Stddev	.0457	.0374	.3159	.557	3.9	32.
%RSD	228.1	96.83	74.34	31.25	3.655	1.150

#1	-.0477	-.0100	.7879	1.352	101.5	2847.
#2	-.0450	-.0810	.2118	1.581	105.7	2803.
#3	.0327	-.0250	.2752	2.410	109.2	2784.

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	463.5	2.373	F 281700.	.6949	-3.990	-1.184
Stddev	6.7	.033	3693.	.1703	1.357	.710
%RSD	1.453	1.409	1.311	24.50	34.01	59.93

#1	462.7	2.343	281600.	.5305	-3.371	-.7861
#2	457.1	2.409	278000.	.6838	-3.053	-2.004
#3	470.5	2.367	285400.	.8705	-5.546	-.7632

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-110977-A-1-B Acquired: 4/5/2016 12:28:23 Type: Unk
Method: sw03182016(v22) 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	-.1382	2.081	2.488	16.35	.7514
Stddev	1.444	1.385	.263	.198	.48	.1138
%RSD	46.27	1003.	12.62	7.964	2.942	15.14
#1	-4.001	-1.130	2.360	2.597	16.84	.7150
#2	-1.455	1.445	2.043	2.259	16.34	.6602
#3	-3.909	-.7293	1.839	2.608	15.87	.8789

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0343	657.6	5.692	7164.
Stddev	1.739	2.5	.283	99.
%RSD	5071.	.3793	4.979	1.383
#1	-1.784	659.2	5.982	7177.
#2	-.0120	658.8	5.416	7256.
#3	1.693	654.7	5.678	7060.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2837.3	32502.	5250.9
Stddev	8.9	225.	72.5
%RSD	.31490	.69092	1.3810
#1	2847.4	32706.	5269.6
#2	2833.9	32540.	5312.2
#3	2830.5	32261.	5170.9

Sample Name: sd 460-110977-A-1-B Acquired: 4/5/2016 12:32:37 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	81.48	1.977	-.0292	4.604	.0017	30950.
Stddev	3.40	.781	.4965	.067	.1295	80.
%RSD	4.167	39.52	1699.	1.444	7401.	.2588
#1	78.44	2.724	-.4296	4.588	-.0016	30960.
#2	80.85	1.165	-.1845	4.677	-.1260	31030.
#3	85.14	2.044	.5263	4.547	.1329	30870.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0228	-.1115	-.1532	1.592	17.70	507.9
Stddev	.1201	.1533	.3471	.189	4.26	12.1
%RSD	527.0	137.5	226.6	11.90	24.08	2.378
#1	-.1522	-.2316	-.5456	1.730	22.52	495.3
#2	.0850	-.1641	.1136	1.376	16.16	509.0
#3	-.0012	.0611	-.0275	1.671	14.42	519.4

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	92.76	.4279	53860.	-.0176	-.1008	.5322
Stddev	3.77	.0494	67.	.8770	1.282	1.258
%RSD	4.064	11.54	.1240	4971.	1272.	236.5
#1	88.42	.4072	53840.	.1991	.8599	-.3360
#2	94.71	.4843	53810.	.7307	.3938	-.0427
#3	95.16	.3923	53940.	-.9827	-1.556	1.975

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

Sample Name: sd 460-110977-A-1-B Acquired: 4/5/2016 12:32:37 Type: Unk
Method: sw03182016(v22) 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	-2.585	.9978	.0558	1.195	.2369	.2855
Stddev	1.932	1.605	.1487	.161	.4156	.2284
%RSD	74.74	160.8	266.5	13.48	175.4	79.99
#1	-4.348	-.7920	.1688	1.376	.7078	.4273
#2	-2.888	2.308	-.1127	1.143	.0816	.0221
#3	-.5194	1.478	.1113	1.067	-.0787	.4072

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5324	128.6	1.993	1307.
Stddev	.6569	.5	.031	12.
%RSD	123.4	.4085	1.546	.9479
#1	-.5793	128.2	1.967	1315.
#2	.1467	128.3	1.985	1293.
#3	-1.164	129.2	2.027	1313.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2981.9	34282.	5291.6
Stddev	23.6	294.	45.5
%RSD	.79132	.85740	.85989
#1	2963.6	34035.	5268.8
#2	2973.6	34205.	5261.9
#3	3008.5	34607.	5343.9

Sample Name: 460-110977-A-1-D MS Acquired: 4/5/2016 12:36:40 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1343.	986.3	98.70	1985.	198.3	165800.
Stddev	11.	4.6	.47	3.	.8	563.
%RSD	.8363	.4658	.4755	.1372	.3994	.3397

#1	1330.	991.4	98.31	1983.	199.0	165200.
#2	1350.	982.6	98.56	1984.	198.6	166100.
#3	1348.	984.8	99.22	1988.	197.5	166200.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	206.9	208.2	988.0	200.4	297.3	6732.
Stddev	.2	.7	1.2	.6	7.3	21.
%RSD	.0965	.3152	.1215	.3112	2.443	.3186

#1	206.7	207.8	986.7	201.1	297.2	6756.
#2	206.9	207.8	988.1	200.4	290.1	6726.
#3	207.1	208.9	989.1	199.8	304.6	6714.

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	4281.	214.5	F 284200.	207.8	999.4	197.3
Stddev	11.	1.3	1218.	.1	2.7	.6
%RSD	.2464	.5952	.4286	.0604	.2703	.3261

#1	4269.	213.2	285400.	208.0	996.8	197.4
#2	4283.	214.5	284100.	207.8	999.3	196.6
#3	4290.	215.7	283000.	207.8	1002.	197.8

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-110977-A-1-D MS Acquired: 4/5/2016 12:36:40 Type: Unk
Method: sw03182016(v22) 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	204.2	200.2	102.6	213.5	214.9	200.6
Stddev	3.6	.9	.6	.2	.3	.5
%RSD	1.764	.4545	.6178	.0945	.1596	.2461
#1	205.3	199.2	102.2	213.2	214.6	200.3
#2	207.1	201.0	102.3	213.6	215.3	200.3
#3	200.2	200.3	103.3	213.6	215.0	201.2

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	191.3	866.6	208.4	7184.
Stddev	.8	2.8	.3	36.
%RSD	.4153	.3278	.1598	.5025
#1	192.2	864.3	208.4	7152.
#2	191.0	865.6	208.0	7223.
#3	190.7	869.8	208.7	7176.

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

Int. Std.	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	33184.	5486.1
Stddev	6.1	123.	47.6
%RSD	.20969	.37103	.86817
#1	2892.3	33245.	5431.5
#2	2891.4	33265.	5519.3
#3	2881.4	33043.	5507.6

Sample Name: 460-110977-A-2-B@5 Acquired: 4/5/2016 12:44:29 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	267.6	.9454	.0730	23.38	-.0309	160800.
Stddev	8.3	.7173	.2179	.04	.1088	420.
%RSD	3.098	75.88	298.3	.1812	352.4	.2613

#1	261.8	.2874	.3216	23.37	.0416	161200.
#2	263.9	1.710	-.0849	23.42	-.1560	160300.
#3	277.1	.8386	-.0176	23.34	.0217	160800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0282	.0669	.0013	2.343	-2.813	3311.
Stddev	.0528	.0625	.5043	.399	6.566	31.
%RSD	187.0	93.46	38180.	17.01	233.4	.9471

#1	.0293	.0977	-.0818	2.774	4.139	3277.
#2	-.0743	-.0051	.5420	1.988	-3.671	3316.
#3	-.0397	.1081	-.4562	2.267	-8.908	3339.

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	3044.	2.533	F 280800.	1.561	-2.077	-.4032
Stddev	11.	.072	2846.	.355	1.624	.3629
%RSD	.3553	2.858	1.014	22.74	78.22	90.01

#1	3050.	2.471	280500.	1.238	-.2364	-.8115
#2	3031.	2.517	283800.	1.942	-2.683	-.2806
#3	3050.	2.612	278100.	1.505	-3.311	-.1174

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-110977-A-2-B@5 Acquired: 4/5/2016 12:44:29 Type: Unk
Method: sw03182016(v22) 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	-5.130	-.0773	.8040	1.034	31.19	.9840
Stddev	2.137	.3057	.2116	.189	.36	.1503
%RSD	41.66	395.2	26.32	18.26	1.170	15.27
#1	-2.834	.2312	.5715	1.250	31.48	.8128
#2	-7.061	-.3801	.8552	.9005	31.32	1.094
#3	-5.494	-.0832	.9853	.9520	30.78	1.045

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3191	824.3	1.785	4510.
Stddev	1.154	3.0	.158	14.
%RSD	361.7	.3700	8.829	.3150
#1	-1.642	820.8	1.960	4526.
#2	.1997	826.0	1.740	4499.
#3	.4848	826.2	1.655	4505.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2870.7	32780.	5394.0
Stddev	6.4	107.	55.3
%RSD	.22227	.32534	1.0260
#1	2872.7	32658.	5454.6
#2	2863.6	32852.	5346.1
#3	2875.8	32831.	5381.3

Sample Name: 460-110977-A-3-B@5 Acquired: 4/5/2016 12:48:43 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	285.8	1.841	-.2306	24.17	-.0333	171700.
Stddev	10.2	.883	.4996	.17	.0866	892.
%RSD	3.578	48.00	216.7	.7182	260.1	.5195
#1	278.5	.8378	.2443	24.09	-.0864	171300.
#2	281.3	2.181	-.7517	24.06	.0667	172700.
#3	297.5	2.504	-.1843	24.37	-.0802	171000.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0644	-.1281	-.8960	4.080	12.31	4268.
Stddev	.0454	.2448	.4118	.444	19.29	39.
%RSD	70.41	191.1	45.96	10.87	156.7	.9096
#1	.0369	.0113	-1.108	4.341	29.81	4243.
#2	.1168	-.4107	-1.159	4.330	-8.383	4248.
#3	.0397	.0152	-.4214	3.567	15.50	4313.

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	3277.	13.20	F 287400.	3.167	-5.145	-1.011
Stddev	16.	.16	532.	.058	.348	1.308
%RSD	.4938	1.195	.1850	1.839	6.766	129.4
#1	3278.	13.11	287000.	3.105	-5.246	.2854
#2	3292.	13.38	287100.	3.175	-5.431	-2.330
#3	3260.	13.11	288000.	3.221	-4.757	-.9871

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-110977-A-3-B@5 Acquired: 4/5/2016 12:48:43 Type: Unk
Method: sw03182016(v22) 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	-5.699	.7842	1.031	1.622	42.49	.7393
Stddev	2.400	.9751	.386	.050	.37	.0697
%RSD	42.11	124.3	37.43	3.067	.8801	9.427
#1	-3.318	1.136	1.341	1.583	42.47	.7992
#2	-5.662	-.3181	1.152	1.604	42.13	.7558
#3	-8.117	1.534	.5987	1.678	42.87	.6628

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4572	713.3	1.652	7950.
Stddev	1.025	1.6	.154	38.
%RSD	224.1	.2262	9.350	.4738
#1	.6371	712.0	1.479	7978.
#2	-1.394	712.8	1.778	7907.
#3	-.6145	715.1	1.698	7964.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2880.9	32807.	5403.6
Stddev	18.2	95.	30.9
%RSD	.63233	.29092	.57197
#1	2897.8	32881.	5439.0
#2	2883.2	32699.	5389.4
#3	2861.6	32841.	5382.3

Sample Name: CCB Acquired: 4/5/2016 12:56:46 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.36	2.073	.1955	.2302	.0617	18.53
Stddev	16.49	2.650	.1702	.2447	.1986	5.72
%RSD	80.98	127.8	87.08	106.3	321.6	30.89

#1	21.65	3.569	.2430	.4938	.0030	15.16
#2	3.267	3.638	.3369	.1866	-.1008	25.14
#3	36.17	-.9865	.0065	.0103	.2831	15.29

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0345	.2319	-.2142	.0717	-3.848	18.09
Stddev	.0725	.1027	.0790	.5099	4.283	6.38
%RSD	210.3	44.29	36.89	711.4	111.3	35.25

#1	.0060	.2409	-.1505	-.4139	.7439	25.34
#2	-.0195	.3298	-.1896	.0261	-4.556	15.52
#3	.1169	.1250	-.3027	.6028	-7.734	13.39

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	1.827	.1230	29.04	.2231	.6040	-.4413
Stddev	1.071	.1397	12.97	.1190	.7289	.8558
%RSD	58.59	113.6	44.66	53.34	120.7	193.9

#1	2.124	.1566	31.08	.1406	1.322	-.5632
#2	2.718	.2429	15.17	.1691	.6259	-1.230
#3	.6396	-.0304	40.88	.3595	-.1357	.4690

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

Sample Name: CCB Acquired: 4/5/2016 12:56:46 Type: QC
Method: sw03182016(v22) 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	-3.054	.4353	.3857	.3584	-2.164	.7019
Stddev	1.310	.9522	.4296	.0257	.479	.4384
%RSD	42.91	218.7	111.4	7.180	22.14	62.45
#1	-4.407	1.526	.8361	.3845	-1.798	1.172
#2	-2.964	-.2313	.3407	.3578	-1.987	.6293
#3	-1.791	.0114	-.0196	.3330	-2.706	.3044

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3338	.3955	.4654	-2.169
Stddev	.5264	.6559	.1361	1.833
%RSD	157.7	165.8	29.24	84.48
#1	-.9246	.0682	.5559	-1.787
#2	-.1625	-.0323	.5315	-.5579
#3	.0856	1.151	.3089	-4.163

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	3010.5	35733.	5225.5
Stddev	13.5	214.	36.8
%RSD	.44891	.59750	.70504
#1	2998.7	35974.	5221.9
#2	3007.7	35657.	5190.6
#3	3025.2	35568.	5264.0

Sample Name: CCVL Acquired: 4/5/2016 13:00:53 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	225.0	15.81	9.881	206.6	2.147	4853.
Stddev	12.2	1.59	.094	.5	.097	48.
%RSD	5.408	10.04	.9496	.2301	4.524	.9944
#1	211.7	16.94	9.793	206.1	2.127	4905.
#2	227.8	16.49	9.870	206.8	2.253	4845.
#3	235.5	13.99	9.980	207.0	2.062	4810.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.053	52.98	9.844	23.59	161.7	4858.
Stddev	.024	.24	.260	.62	4.4	38.
%RSD	.5862	.4437	2.637	2.616	2.702	.7824
#1	4.063	53.09	10.09	24.13	157.1	4899.
#2	4.071	52.70	9.871	23.73	162.1	4851.
#3	4.026	53.13	9.573	22.92	165.8	4824.

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	4795.	15.53	5047.	42.92	12.32	19.00
Stddev	14.	.20	19.	.64	.88	.89
%RSD	.2981	1.271	.3717	1.498	7.179	4.674
#1	4812.	15.71	5067.	43.25	13.34	19.41
#2	4791.	15.56	5043.	42.18	11.84	19.62
#3	4784.	15.32	5030.	43.34	11.78	17.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/5/2016 13:00:53 Type: QC
Method: sw03182016(v22) 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	18.22	21.59	50.57	31.27	46.14	20.05
Stddev	.59	1.29	.06	.13	.65	.17
%RSD	3.220	5.967	.1128	.4098	1.404	.8640
#1	18.83	20.26	50.63	31.32	45.89	19.88
#2	17.65	21.69	50.58	31.12	45.66	20.23
#3	18.19	22.83	50.52	31.36	46.88	20.06

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	49.87	20.34	20.93	F 9.654
Stddev	.06	.13	.12	25.78
%RSD	.1155	.6239	.5697	267.0
#1	49.90	20.42	21.07	-19.25
#2	49.80	20.19	20.86	17.95
#3	49.89	20.39	20.86	30.26

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3010.6	35928.	5351.1
Stddev	20.1	548.	119.7
%RSD	.66738	1.5259	2.2374
#1	2987.5	35416.	5285.7
#2	3020.9	35862.	5278.2
#3	3023.5	36507.	5489.3

Sample Name: 460-110977-A-4-B@5 Acquired: 4/5/2016 13:04:57 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	296.2	1.104	-.0522	25.40	.0350	165300.
Stddev	5.3	.463	.0480	.17	.0372	460.
%RSD	1.791	41.93	91.81	.6741	106.4	.2783
#1	290.1	.9286	-.0952	25.29	.0030	165800.
#2	299.4	1.629	-.0610	25.32	.0262	164900.
#3	299.2	.7544	-.0005	25.60	.0759	165200.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0217	-.1131	.3293	.1163	7.117	3691.
Stddev	.0305	.3027	.1767	.2192	12.21	8.
%RSD	140.6	267.7	53.65	188.5	171.5	.2114
#1	.0253	-.0349	.5245	.1594	13.26	3682.
#2	-.0105	.1429	.1802	-.1213	15.03	3697.
#3	.0502	-.4471	.2833	.3108	-6.939	3694.

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	3487.	12.22	F 294200.	3.245	-4.111	-.3665
Stddev	7.	.08	958.	.050	.807	.5990
%RSD	.2066	.6777	.3257	1.538	19.63	163.5
#1	3491.	12.32	295300.	3.221	-4.717	.1705
#2	3479.	12.18	293900.	3.212	-3.195	-1.013
#3	3492.	12.17	293400.	3.302	-4.422	-.2572

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-110977-A-4-B@5 Acquired: 4/5/2016 13:04:57 Type: Unk
Method: sw03182016(v22) 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	-5.481	-1.1052	1.118	1.371	39.65	1.203
Stddev	.950	2.242	.310	.118	.17	.172
%RSD	17.33	2132.	27.72	8.592	.4180	14.28
#1	-4.415	-1.305	1.443	1.456	39.64	1.305
#2	-5.789	-1.492	.8264	1.421	39.49	1.005
#3	-6.238	2.481	1.083	1.237	39.82	1.300

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-2.529	694.3	1.449	8125.
Stddev	.6116	.9	.095	41.
%RSD	241.8	.1322	6.558	.5045
#1	-.9337	693.9	1.409	8137.
#2	-.0752	695.4	1.381	8080.
#3	.2502	693.7	1.558	8159.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2798.0	33099.	5244.2
Stddev	14.4	164.	8.9
%RSD	.51640	.49518	.17013
#1	2803.0	33012.	5237.0
#2	2809.3	33288.	5254.1
#3	2781.7	32996.	5241.3

Sample Name: 460-111445-A-3-B@5 Acquired: 4/5/2016 13:17:36 Type: Unk
 Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	433.2	2.711	.0411	22.65	-.0085	150700.
Stddev	13.9	1.008	.1927	.31	.0423	844.
%RSD	3.205	37.18	469.3	1.351	497.1	.5599
#1	448.1	1.551	.2392	22.30	-.0529	150200.
#2	431.0	3.378	-.1457	22.89	.0315	150300.
#3	420.6	3.204	.0296	22.74	-.0041	151700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1202	-.1438	-.4285	-1.250	2.631	1018.
Stddev	.0254	.0895	.2355	.172	6.870	14.
%RSD	21.17	62.21	54.95	13.77	261.1	1.360
#1	-.1261	-.0564	-.5839	-1.390	-1.335	1005.
#2	-.0923	-.1399	-.1576	-1.303	-1.336	1033.
#3	-.1422	-.2352	-.5440	-1.058	10.56	1017.

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	39.05	.2734	F 265900.	.3526	-.9823	-.7241
Stddev	3.03	.0597	2279.	.5025	1.012	1.235
%RSD	7.767	21.84	.8572	142.5	103.0	170.6
#1	41.21	.3394	266700.	.2084	-1.889	.3024
#2	35.58	.2578	267700.	.9114	.1096	-2.095
#3	40.35	.2231	263400.	-.0621	-1.168	-.3800

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111445-A-3-B@5 Acquired: 4/5/2016 13:17:36 Type: Unk
Method: sw03182016(v22) 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	-4.655	.2621	.7999	3.731	12.73	-.0708
Stddev	1.671	1.219	.5901	.221	.75	.2615
%RSD	35.89	465.1	73.77	5.926	5.915	369.3
#1	-6.038	-1.034	.1989	3.636	11.93	-.0673
#2	-2.799	.4348	.8225	3.983	12.85	.1889
#3	-5.129	1.385	1.378	3.573	13.42	-.3340

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5582	914.6	2.095	2292.
Stddev	.9060	4.0	.116	20.
%RSD	162.3	.4360	5.544	.8939
#1	.0840	919.2	2.146	2274.
#2	-1.595	912.4	2.176	2287.
#3	-.1641	912.2	1.962	2314.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2806.0	33252.	5333.0
Stddev	14.8	75.	21.4
%RSD	.52703	.22640	.40036
#1	2816.8	33235.	5308.7
#2	2812.1	33335.	5341.3
#3	2789.1	33188.	5348.9

Sample Name: 460-111445-A-4-B@5 Acquired: 4/5/2016 13:21:50 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	357.6	3.563	-3221	49.44	.0022	157800.
Stddev	8.4	.556	.3090	.13	.0509	1085.
%RSD	2.356	15.62	95.94	.2694	2342.	.6877
#1	348.3	3.575	-.3092	49.28	-.0549	156600.
#2	360.0	3.001	-.0197	49.50	.0185	158100.
#3	364.6	4.113	-.6373	49.52	.0429	158700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1104	.0705	6.075	.2939	2.301	1505.
Stddev	.0177	.0873	.286	1.409	14.07	27.
%RSD	16.03	123.8	4.709	479.3	611.6	1.775
#1	-.1309	-.0165	6.327	-1.282	7.255	1487.
#2	-.1007	.1582	5.764	.7313	13.23	1536.
#3	-.0997	.0699	6.134	1.432	-13.58	1492.

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	4.040	.1021	F 267500.	.0739	.3313	-.8221
Stddev	1.503	.0808	2693.	.3646	.4631	1.599
%RSD	37.20	79.12	1.007	493.5	139.8	194.5
#1	4.997	.0821	267400.	.4948	.8605	-.1838
#2	2.308	.1911	264800.	-.1254	.0002	-2.642
#3	4.816	.0332	270200.	-.1477	.1331	.3592

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111445-A-4-B@5 Acquired: 4/5/2016 13:21:50 Type: Unk
Method: sw03182016(v22) 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	-6.372	.5834	.1323	1.005	-.3002	.2743
Stddev	1.211	.9626	.2369	.256	.5782	.0875
%RSD	19.00	165.0	179.0	25.47	192.6	31.92
#1	-6.496	.1351	.1849	1.299	-.8549	.2613
#2	-5.104	1.688	-.1264	.8860	-.3447	.1940
#3	-7.516	-.0733	.3385	.8300	.2989	.3676

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.125	1042.	1.394	905.7
Stddev	.416	9.	.172	6.9
%RSD	36.97	.8661	12.31	.7595
#1	-1.593	1032.	1.436	905.0
#2	-.9807	1043.	1.541	912.9
#3	-.8000	1050.	1.206	899.2

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	2800.2	32661.	5259.0
Stddev	4.0	268.	15.7
%RSD	.14125	.81919	.29901
#1	2796.0	32958.	5248.4
#2	2803.9	32586.	5277.1
#3	2800.7	32439.	5251.6

Sample Name: 460-111417-A-1-C@5 Acquired: 4/5/2016 13:30:16 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	82.77	-1.015	.0970	76.70	.1711	3335.
Stddev	4.65	3.432	.4524	.35	.0466	7.
%RSD	5.618	338.2	466.3	.4568	27.25	.2205
#1	84.40	-4.876	.0012	76.34	.1180	3334.
#2	86.38	.1434	-.2998	76.72	.1897	3329.
#3	77.52	1.688	.5897	77.04	.2055	3343.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3078	-.1000	-.2050	8.611	2.262	614.0
Stddev	.0518	.1781	.5076	.544	4.907	27.3
%RSD	16.82	178.0	247.6	6.313	216.9	4.452
#1	.2480	.0810	.1636	9.226	4.421	645.1
#2	.3367	-.2750	-.7840	8.413	5.718	593.6
#3	.3386	-.1061	.0053	8.194	-3.354	603.4

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	508.6	24.31	F 256300.	.9752	14.74	1.287
Stddev	7.5	.09	2852.	.3868	.76	.987
%RSD	1.473	.3653	1.113	39.66	5.165	76.67
#1	500.0	24.41	258300.	.9981	15.45	.9361
#2	513.5	24.24	253100.	.5774	14.83	.5236
#3	512.3	24.28	257600.	1.350	13.93	2.401

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111417-A-1-C@5 Acquired: 4/5/2016 13:30:16 Type: Unk
Method: sw03182016(v22) 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	-2.440	-1.698	.1767	67.93	10.88	-.0440
Stddev	2.488	1.758	.4826	.19	.93	.1468
%RSD	102.0	103.6	273.1	.2786	8.546	333.3
#1	-5.047	-3.628	.0474	67.95	9.873	-.0543
#2	-.0920	-1.278	-.2281	68.12	11.71	-.1854
#3	-2.181	-.1875	.7109	67.74	11.04	.1076

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0412	46.79	.3966	245.1
Stddev	.2576	.15	.1016	7.3
%RSD	625.9	.3124	25.63	2.990
#1	.2486	46.92	.3717	238.7
#2	-.2444	46.63	.3097	243.5
#3	-.1277	46.81	.5083	253.1

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	2870.8	33530.	5270.9
Stddev	4.4	60.	33.4
%RSD	.15175	.17976	.63304
#1	2868.1	33475.	5238.3
#2	2875.8	33594.	5305.0
#3	2868.5	33521.	5269.5

Sample Name: 460-111417-A-9-C@5 Acquired: 4/5/2016 13:38:44 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42.56	10.44	-.0578	130.7	.3543	3112.
Stddev	10.14	.69	.4624	.5	.0497	17.
%RSD	23.82	6.655	799.5	.3495	14.02	.5579

#1	31.83	11.15	-.0387	131.1	.3834	3119.
#2	43.87	9.761	-.5295	130.9	.2970	3093.
#3	51.97	10.40	.3947	130.2	.3826	3125.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0480	1.197	.0999	15.12	37.63	363.2
Stddev	.0399	.170	.3492	.48	5.52	20.6
%RSD	83.20	14.17	349.5	3.166	14.67	5.661

#1	.0242	1.007	.1437	15.44	38.42	382.8
#2	.0941	1.252	.4251	14.57	42.71	364.9
#3	.0257	1.332	-.2691	15.35	31.76	341.8

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	897.2	1358.	F 255500.	1.835	40.48	.6480
Stddev	3.9	6.	1081.	.109	.44	1.378
%RSD	.4357	.4562	.4231	5.921	1.081	212.6

#1	898.9	1363.	254500.	1.959	40.07	1.448
#2	892.7	1351.	256600.	1.758	40.43	1.439
#3	899.9	1360.	255300.	1.788	40.94	-.9429

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111417-A-9-C@5 Acquired: 4/5/2016 13:38:44 Type: Unk
Method: sw03182016(v22) 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	-5.044	.2836	.4663	25.30	18.11	-.0873
Stddev	1.705	.5342	.1465	.27	.22	.1226
%RSD	33.81	188.4	31.42	1.051	1.212	140.4
#1	-6.651	.3792	.4027	25.13	18.04	-.1239
#2	-3.255	-.2920	.3624	25.16	17.93	.0494
#3	-5.225	.7635	.6339	25.60	18.35	-.1874

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2587	18.79	.4071	231.3
Stddev	1.044	.07	.1481	4.4
%RSD	403.6	.3960	36.37	1.882
#1	-.0048	18.85	.2908	229.7
#2	.6350	18.82	.5737	228.0
#3	-1.406	18.71	.3567	236.2

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	2872.5	33419.	5343.8
Stddev	15.3	322.	106.1
%RSD	.53427	.96322	1.9846
#1	2878.0	33386.	5426.2
#2	2884.4	33756.	5381.2
#3	2855.2	33115.	5224.1

Sample Name: 460-111307-B-2-B@5 Acquired: 4/5/2016 13:42:56 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	224.4	1.792	.0368	50.82	.0910	24760.
Stddev	6.6	1.403	.2413	.11	.0366	75.
%RSD	2.938	78.27	656.5	.2140	40.17	.3012
#1	221.4	.5928	-.1501	50.77	.1304	24830.
#2	219.8	1.449	.3093	50.94	.0583	24750.
#3	232.0	3.334	-.0489	50.74	.0842	24680.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2981	1.524	1.487	23.34	45.89	455.8
Stddev	.1239	.320	.256	.35	1.87	15.5
%RSD	41.56	21.02	17.22	1.505	4.064	3.396
#1	.4234	1.161	1.722	23.74	44.96	471.1
#2	.2951	1.768	1.524	23.15	44.67	440.1
#3	.1757	1.644	1.214	23.12	48.03	456.0

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	946.9	38.07	F 276600.	4.729	33.62	1.163
Stddev	2.7	.11	3493.	.765	1.11	.431
%RSD	.2834	.2941	1.263	16.17	3.309	37.11
#1	948.9	38.16	280200.	4.207	32.98	1.661
#2	948.1	38.11	273300.	5.606	34.90	.9071
#3	943.9	37.95	276200.	4.372	32.97	.9200

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111307-B-2-B@5 Acquired: 4/5/2016 13:42:56 Type: Unk
Method: sw03182016(v22) 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	-1.746	1.086	.3732	130.3	34.57	-.0137
Stddev	2.776	1.298	.2608	.5	.58	.1643
%RSD	159.0	119.6	69.87	.3745	1.676	1201.
#1	.4238	-.3186	.5954	130.4	34.36	-.0004
#2	-.7871	1.334	.4383	130.7	35.22	.1436
#3	-4.875	2.242	.0861	129.8	34.12	-.1842

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2626	115.7	2.589	2031.
Stddev	.5385	.7	.206	13.
%RSD	205.1	.5639	7.966	.6571
#1	-.7090	116.4	2.428	2044.
#2	-.4143	115.6	2.517	2031.
#3	.3355	115.1	2.821	2018.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2859.9	33440.	5305.7
Stddev	6.8	206.	79.0
%RSD	.23889	.61600	1.4881
#1	2852.5	33202.	5214.5
#2	2861.3	33564.	5353.1
#3	2865.9	33553.	5349.4

Sample Name: CCV Acquired: 4/5/2016 13:47:06 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	117400.	2424.	1164.	9856.	965.0	120700.
Stddev	679.	4.	5.	25.	2.6	644.
%RSD	.5782	.1685	.3918	.2568	.2736	.5337

#1	117800.	2428.	1162.	9870.	963.5	120300.
#2	116600.	2421.	1161.	9871.	963.5	120400.
#3	117800.	2422.	1169.	9826.	968.1	121400.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1225.	2428.	4946.	12040.	95830.	47400.
Stddev	1.	4.	21.	30.	588.	115.
%RSD	.1077	.1510	.4229	.2527	.6136	.2415

#1	1226.	2430.	4926.	12060.	95280.	47510.
#2	1225.	2430.	4943.	12000.	95780.	47280.
#3	1224.	2424.	4968.	12050.	96450.	47410.

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	121200.	4843.	116300.	2477.	7203.	953.3
Stddev	539.	21.	608.	8.	5.	1.3
%RSD	.4442	.4372	.5224	.3197	.0740	.1375

#1	121000.	4837.	116400.	2484.	7204.	952.9
#2	120900.	4826.	115700.	2478.	7197.	954.7
#3	121800.	4867.	116900.	2469.	7207.	952.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/5/2016 13:47:06 Type: QC
Method: sw03182016(v22) 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	2438.	2450.	2421.	2428.	979.6	2450.
Stddev	4.	24.	9.	2.	2.8	3.
%RSD	.1705	.9631	.3538	.0777	.2908	.1231
#1	2439.	2446.	2413.	2427.	979.9	2452.
#2	2433.	2429.	2420.	2426.	982.2	2452.
#3	2442.	2476.	2430.	2430.	976.6	2446.

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	987.0	4825.	9663.	9406.
Stddev	2.1	11.	119.	3.
%RSD	.2144	.2179	1.234	.0271
#1	989.5	4837.	9536.	9403.
#2	986.2	4817.	9680.	9409.
#3	985.5	4820.	9772.	9406.

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	2827.8	33561.	5420.6
Stddev	11.5	107.	35.5
%RSD	.40834	.31896	.65567
#1	2817.5	33681.	5406.0
#2	2825.6	33527.	5461.1
#3	2840.3	33476.	5394.7

Sample Name: CCB Acquired: 4/5/2016 13:50:55 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.300	1.740	-.0870	.1575	.0129	-6.154
Stddev	3.187	1.160	.2053	.1972	.1094	5.215
%RSD	96.58	66.65	236.1	125.2	847.8	84.73
#1	-5.553	2.659	.0760	.3823	.1389	-10.13
#2	-4.694	2.123	-.3176	.0134	-.0572	-.2494
#3	.3465	.4370	-.0193	.0769	-.0430	-8.085

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0166	.2889	.2537	-.4493	2.938	28.75
Stddev	.0406	.0058	.1900	.2558	5.767	10.07
%RSD	245.2	2.012	74.91	56.93	196.3	35.01
#1	-.0547	.2956	.3809	-.6996	-3.132	18.07
#2	.0262	.2860	.3449	-.4601	3.601	30.11
#3	-.0213	.2851	.0352	-.1883	8.345	38.07

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	4.143	.1757	23.59	.0202	-.6314	.0114
Stddev	8.098	.1897	17.49	.4194	.6608	1.011
%RSD	195.5	108.0	74.13	2077.	104.7	8886.
#1	12.97	.2666	41.68	.5038	-.3613	-.1659
#2	2.415	.3029	22.33	-.2444	-.1484	-.8993
#3	-2.951	-.0423	6.766	-.1988	-1.384	1.099

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

Sample Name: CCB Acquired: 4/5/2016 13:50:55 Type: QC
Method: sw03182016(v22) 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	-2.037	.0628	.1342	.1769	-2.609	.8388
Stddev	1.414	.4813	.1214	.1180	.270	.4340
%RSD	69.44	766.8	90.48	66.68	10.35	51.74
#1	-.6190	.5553	.0775	.3130	-2.297	1.313
#2	-2.043	-.4066	.2736	.1041	-2.764	.7429
#3	-3.447	.0396	.0515	.1136	-2.765	.4608

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8976	.1825	.5355	1.877
Stddev	1.600	.1152	.3043	1.850
%RSD	178.2	63.11	56.82	98.58
#1	.2446	.2689	.5325	.0110
#2	-.2117	.2270	.8413	3.711
#3	-2.726	.0517	.2327	1.908

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	3117.9	37153.	5652.5
Stddev	18.6	68.	61.5
%RSD	.59790	.18177	1.0878
#1	3101.5	37076.	5624.2
#2	3114.1	37181.	5610.3
#3	3138.2	37203.	5723.0

Sample Name: CCVL Acquired: 4/5/2016 13:55:02 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	215.5	15.46	8.972	212.1	1.946	4953.
Stddev	11.4	.51	.376	.9	.084	18.
%RSD	5.291	3.319	4.191	.4268	4.322	.3706

#1	206.6	14.89	9.394	211.1	2.040	4935.
#2	228.4	15.89	8.849	212.4	1.877	4972.
#3	211.5	15.61	8.673	212.9	1.922	4952.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.099	52.99	10.64	23.13	160.1	4759.
Stddev	.053	.24	.57	.64	6.9	16.
%RSD	1.304	.4453	5.371	2.770	4.315	.3418

#1	4.130	53.24	10.02	23.82	167.1	4744.
#2	4.037	52.97	11.15	23.04	160.0	4776.
#3	4.129	52.77	10.75	22.55	153.2	4757.

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	4987.	15.64	4746.	43.50	11.48	19.95
Stddev	27.	.08	21.	.44	.28	1.44
%RSD	.5452	.5419	.4398	1.021	2.419	7.200

#1	4956.	15.63	4770.	43.07	11.30	21.59
#2	5006.	15.73	4734.	43.95	11.80	18.92
#3	4998.	15.56	4734.	43.48	11.34	19.35

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/5/2016 13:55:02 Type: QC
Method: sw03182016(v22) 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	17.87	21.88	50.50	31.45	47.71	20.62
Stddev	2.04	1.44	.39	.20	.32	.19
%RSD	11.43	6.572	.7654	.6220	.6757	.9258
#1	16.40	23.09	50.28	31.32	48.02	20.54
#2	17.01	22.26	50.94	31.37	47.38	20.49
#3	20.21	20.29	50.27	31.68	47.73	20.84

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	51.42	20.18	20.53	F 1.361
Stddev	.32	.14	.17	8.655
%RSD	.6286	.6841	.8423	635.7
#1	51.51	20.28	20.48	-2.652
#2	51.06	20.25	20.72	11.29
#3	51.68	20.02	20.38	-4.559

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3039.5	36230.	5525.5
Stddev	22.7	86.	71.8
%RSD	.74837	.23868	1.3000
#1	3056.0	36295.	5554.6
#2	3049.0	36132.	5578.2
#3	3013.6	36264.	5443.7

Sample Name: 460-111316-A-1-E@5 Acquired: 4/5/2016 14:05:37 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	260.8	1.983	.0950	40.77	.0395	2733.
Stddev	8.1	1.168	.0894	.20	.0627	14.
%RSD	3.115	58.89	94.13	.4990	158.6	.5093

#1	261.9	2.640	.1679	40.56	.1102	2749.
#2	268.3	.6347	-.0048	40.96	.0179	2727.
#3	252.1	2.674	.1218	40.79	-.0095	2724.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0050	5.189	-.1117	1.333	10.32	544.0
Stddev	.0404	.132	.5866	.688	3.29	6.8
%RSD	804.7	2.538	525.3	51.60	31.84	1.248

#1	-.0166	5.042	.5457	2.091	13.86	542.3
#2	.0399	5.296	-.2990	1.157	7.365	551.4
#3	-.0384	5.230	-.5817	.7501	9.732	538.2

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	2246.	90.11	F 253500.	2.529	8.643	.1944
Stddev	22.	.61	2479.	.217	.925	1.516
%RSD	.9940	.6804	.9779	8.588	10.71	779.7

#1	2264.	90.76	252900.	2.340	9.448	-.3667
#2	2252.	90.04	251400.	2.481	7.632	-.9610
#3	2221.	89.54	256300.	2.766	8.850	1.911

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111316-A-1-E@5 Acquired: 4/5/2016 14:05:37 Type: Unk
Method: sw03182016(v22) 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	-3.235	-.1405	.2503	13.49	46.74	.0881
Stddev	1.695	1.517	.3453	.09	.27	.1915
%RSD	52.41	1079.	137.9	.6974	.5677	217.4
#1	-1.686	.5799	-.1450	13.39	46.44	.2601
#2	-5.046	.8818	.4932	13.57	46.84	-.1183
#3	-2.972	-1.883	.4027	13.51	46.95	.1224

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0841	23.69	.5310	180.7
Stddev	.5410	.07	.1076	12.2
%RSD	643.7	.3081	20.27	6.735
#1	.2672	23.68	.4125	185.4
#2	-.7071	23.76	.6226	189.7
#3	.1877	23.62	.5578	166.8

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	2945.0	34257.	5418.6
Stddev	8.3	149.	8.2
%RSD	.28329	.43349	.15052
#1	2939.9	34128.	5428.0
#2	2940.6	34225.	5414.5
#3	2954.7	34420.	5413.3

Sample Name: LB 460-360151/1-B@5 Acquired: 4/5/2016 14:09:48 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.61	1.257	-.1454	.2379	.0102	27.37
Stddev	2.67	2.135	.4257	.1121	.0241	1.46
%RSD	21.18	169.8	292.8	47.13	235.4	5.344
#1	15.70	-.8732	-.4535	.1352	.0221	27.35
#2	10.99	1.248	.3403	.3576	-.0175	25.92
#3	11.15	3.396	-.3231	.2209	.0261	28.85

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1120	-.1722	-.3357	5.750	-6.330	24.97
Stddev	.0184	.1339	.2089	.341	7.987	11.85
%RSD	16.44	77.74	62.23	5.936	126.2	47.47
#1	-.1154	-.2326	-.5718	6.127	.2788	38.43
#2	-.0921	-.2654	-.1749	5.662	-15.20	16.10
#3	-.1285	-.0188	-.2604	5.461	-4.064	20.38

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	9.127	.1610	F 274700.	1.355	15.65	.2842
Stddev	2.462	.0107	5442.	.110	.60	2.217
%RSD	26.97	6.670	1.981	8.137	3.843	780.1
#1	7.473	.1633	278700.	1.228	15.50	-2.178
#2	11.96	.1704	276800.	1.410	16.31	2.123
#3	7.953	.1493	268500.	1.427	15.13	.9076

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: LB 460-360151/1-B@5 Acquired: 4/5/2016 14:09:48 Type: Unk
Method: sw03182016(v22) 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	-4.675	-.5044	-.0662	1.698	-2.165	.0825
Stddev	2.476	.3249	.3107	.158	.473	.2222
%RSD	52.97	64.41	469.5	9.321	21.87	269.2
#1	-2.946	-.6524	.2131	1.790	-1.748	.2761
#2	-7.512	-.1319	-.4009	1.515	-2.066	.1316
#3	-3.568	-.7289	-.0108	1.788	-2.680	-.1601

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3948	.1202	-.0625	18.45
Stddev	1.113	.0446	.0470	11.85
%RSD	281.9	37.06	75.17	64.22
#1	-.3457	.0934	-.0116	5.638
#2	-1.531	.0956	-.1042	29.01
#3	.6928	.1717	-.0717	20.69

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2880.6	34010.	5314.0
Stddev	5.0	254.	51.0
%RSD	.17501	.74721	.95956
#1	2874.9	33825.	5296.9
#2	2882.5	33904.	5273.8
#3	2884.5	34299.	5371.4

Sample Name: LB 460-360378/1-B@5 Acquired: 4/5/2016 14:14:04 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.02	1.586	-.0942	-.0407	-.0302	-12.62
Stddev	8.59	1.094	.5624	.0866	.0826	4.70
%RSD	85.73	68.96	596.8	212.8	273.4	37.27
#1	12.95	.3678	-.6301	-.0559	-.0463	-8.562
#2	.3469	1.907	.4915	-.1186	.0592	-17.77
#3	16.75	2.483	-.1441	.0525	-.1035	-11.52

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0796	-.0306	-.5471	-1.742	-7.555	44.37
Stddev	.0252	.1149	.4386	.464	11.88	12.70
%RSD	31.71	375.0	80.17	26.64	157.2	28.62
#1	-.0991	.0238	-.3863	-1.522	-19.02	37.06
#2	-.0511	.0469	-1.043	-1.428	-8.335	37.02
#3	-.0887	-.1627	-.2116	-2.275	4.691	59.04

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	.4799	.0371	F 268100.	.6150	-.2588	1.159
Stddev	5.982	.0525	1082.	.1611	.5921	.783
%RSD	1247.	141.5	.4038	26.19	228.8	67.52
#1	1.547	-.0167	267800.	.7597	-.3968	.9564
#2	5.857	.0399	267100.	.6438	.3902	.4980
#3	-5.964	.0882	269200.	.4415	-.7697	2.024

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: LB 460-360378/1-B@5 Acquired: 4/5/2016 14:14:04 Type: Unk
Method: sw03182016(v22) 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	-4.291	.4544	-.1283	.9603	-2.083	-.1952
Stddev	1.681	2.617	.0631	.0270	.435	.1480
%RSD	39.17	576.0	49.19	2.811	20.88	75.80
#1	-4.697	3.325	-.1193	.9519	-2.465	-.3652
#2	-2.444	-1.798	-.1954	.9905	-1.610	-.0959
#3	-5.731	-.1635	-.0702	.9385	-2.173	-.1244

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1340	-.0187	.0446	15.83
Stddev	.4616	.0204	.1656	10.82
%RSD	344.4	109.3	371.0	68.38
#1	.2991	-.0094	-.1373	7.689
#2	-.3874	-.0420	.0847	11.69
#3	.4904	-.0045	.1865	28.11

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2906.1	34050.	5437.5
Stddev	7.2	76.	38.6
%RSD	.24692	.22357	.70997
#1	2906.4	34103.	5460.8
#2	2913.1	34085.	5458.9
#3	2898.8	33963.	5393.0

Sample Name: MB 460-360758/1-A@2 Acquired: 4/5/2016 14:18:20 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1441	.9729	.0981	-.0922	.0019	-13.46
Stddev	11.02	1.108	.3429	.0796	.0603	3.94
%RSD	7646.	113.9	349.5	86.35	3141.	29.29
#1	5.808	1.620	.3746	-.1498	.0621	-13.64
#2	6.616	-.3065	.2054	-.0013	.0022	-9.432
#3	-12.86	1.605	-.2856	-.1256	-.0586	-17.31

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0558	-.0040	-.1144	-1.116	-1.103	-23.04
Stddev	.0042	.1699	.5679	.499	9.632	33.50
%RSD	7.524	4235.	496.3	44.69	873.3	145.4
#1	-.0528	.1509	-.4311	-1.640	8.060	-59.76
#2	-.0540	.0228	-.4534	-1.062	-11.14	-15.20
#3	-.0606	-.1857	.5412	-.6467	-.2252	5.841

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	1.394	.0129	46.41	.0133	1.166	1.208
Stddev	2.230	.0285	10.14	.1346	1.297	.822
%RSD	160.0	220.5	21.85	1009.	111.2	68.07
#1	3.567	.0458	57.47	.0994	2.587	.4478
#2	-.8892	-.0025	44.20	.0824	.0461	2.081
#3	1.503	-.0046	37.56	-.1418	.8653	1.096

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

Sample Name: MB 460-360758/1-A@2 Acquired: 4/5/2016 14:18:20 Type: QC
Method: sw03182016(v22) 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	-4.108	1.085	.1173	.8328	-3.683	-.0346
Stddev	2.658	1.443	.1614	.0627	.207	.0378
%RSD	64.70	133.0	137.6	7.534	5.613	109.2
#1	-3.156	2.514	.1588	.7753	-3.886	-.0051
#2	-7.111	-.3712	-.0608	.8997	-3.690	-.0772
#3	-2.058	1.111	.2540	.8232	-3.473	-.0214

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0001	-.1349	.0241	16.71
Stddev	.1055	.1576	.0657	7.06
%RSD	152900.	116.9	272.7	42.29
#1	.0348	-.1143	-.0498	8.741
#2	.0836	.0115	.0464	22.21
#3	-.1186	-.3017	.0758	19.16

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	3030.2	35990.	5435.8
Stddev	5.9	177.	25.1
%RSD	.19430	.49068	.46217
#1	3024.1	35976.	5439.6
#2	3035.9	36174.	5458.8
#3	3030.8	35821.	5409.0

Sample Name: 460-111461-K-1-A@4 Acquired: 4/5/2016 14:30:10 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23030.	20.94	.4344	4409.	1.110	F 264400.
Stddev	128.	2.80	.2421	17.	.141	1091.
%RSD	.5575	13.35	55.73	.3831	12.70	.4128

#1	23000.	24.17	.7105	4424.	1.211	265100.
#2	22930.	19.43	.2588	4412.	1.171	265100.
#3	23180.	19.23	.3338	4390.	.9490	263200.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.809	19.68	61.37	82.77	46940.	2690.
Stddev	.022	.12	.49	.54	100.	17.
%RSD	.2465	.6344	.7920	.6546	.2123	.6182

#1	8.833	19.74	61.70	82.29	46850.	2678.
#2	8.791	19.53	61.59	83.36	46940.	2682.
#3	8.803	19.76	60.81	82.67	47050.	2709.

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	102700.	701.5	891.5	28.91	F 16790.	-1.106
Stddev	575.	2.1	5.6	.73	104.	.743
%RSD	.5603	.3043	.6315	2.536	.6189	67.18

#1	103100.	702.5	886.6	29.58	16880.	-.4929
#2	102900.	702.9	890.3	29.03	16800.	-.8934
#3	102000.	699.0	897.7	28.13	16680.	-1.933

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-111461-K-1-A@4 Acquired: 4/5/2016 14:30:10 Type: Unk
Method: sw03182016(v22) 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	-5.021	-7.610	71.22	2390.	17.37	.6483
Stddev	.745	1.860	.98	3.	.69	.1155
%RSD	14.83	24.44	1.370	.1309	3.946	17.81
#1	-4.954	-9.719	70.38	2392.	17.66	.7431
#2	-4.311	-6.905	70.99	2392.	16.59	.5197
#3	-5.796	-6.205	72.29	2386.	17.86	.6821

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	35.46	347.7	698.6	1626.
Stddev	.80	1.0	.9	17.
%RSD	2.264	.2734	.1219	1.056
#1	36.39	347.0	699.0	1643.
#2	34.98	347.4	697.7	1624.
#3	35.01	348.8	699.3	1609.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2997.2	35058.	5708.9
Stddev	11.9	143.	46.8
%RSD	.39715	.40709	.81928
#1	2984.5	34962.	5687.7
#2	2999.2	34990.	5762.5
#3	3008.1	35222.	5676.5

Sample Name: LCSSRM 460-360758/2- Acquired: 4/5/2016 14:22:27 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35370.	689.1	141.8	1057.	473.1	27220.
Stddev	94.	4.7	.5	1.	2.1	195.
%RSD	.2664	.6796	.3194	.0599	.4417	.7147
#1	35420.	685.7	141.4	1058.	474.2	27440.
#2	35260.	687.2	142.3	1057.	470.7	27070.
#3	35430.	694.5	141.6	1056.	474.3	27150.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	433.6	777.8	720.9	812.6	67140.	10660.
Stddev	.3	.7	1.8	2.5	363.	53.
%RSD	.0579	.0922	.2548	.3085	.5409	.5009
#1	433.3	777.1	722.0	812.1	67470.	10700.
#2	433.7	778.5	718.8	810.5	66750.	10600.
#3	433.8	777.7	722.0	815.4	67180.	10690.

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	12280.	1532.	3789.	678.8	774.0	375.9
Stddev	66.	8.	23.	1.1	1.2	1.6
%RSD	.5391	.5267	.6017	.1662	.1539	.4171
#1	12350.	1541.	3806.	677.6	775.4	374.3
#2	12220.	1525.	3763.	679.8	773.6	377.5
#3	12260.	1531.	3797.	679.1	773.1	376.0

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

Sample Name: LCSSRM 460-360758/2- Acquired: 4/5/2016 14:22:27 Type: Unk
Method: sw03182016(v22) 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	866.8	738.0	544.3	970.8	637.4	584.9
Stddev	6.7	6.0	2.7	1.8	2.5	.7
%RSD	.7700	.8069	.4924	.1855	.3925	.1281
#1	859.3	732.9	546.8	971.6	634.6	584.5
#2	869.3	736.6	541.5	968.7	638.1	584.4
#3	871.9	744.5	544.6	972.0	639.5	585.8

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	733.0	491.7	1481.	2051.
Stddev	.9	1.7	4.	19.
%RSD	.1228	.3479	.3005	.9413
#1	732.0	492.4	1486.	2032.
#2	733.8	489.7	1477.	2051.
#3	733.2	492.9	1481.	2071.

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	3169.2	37397.	5814.1
Stddev	13.1	416.	74.8
%RSD	.41476	1.1119	1.2868
#1	3154.4	36922.	5728.2
#2	3173.8	37691.	5864.8
#3	3179.5	37579.	5849.3

Sample Name: 460-111461-K-1-C MS Acquired: 4/5/2016 14:38:04 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32400.	930.9	22.75	3883.	24.92	221500.
Stddev	220.	2.5	.60	9.	.16	1847.
%RSD	.6786	.2654	2.658	.2376	.6266	.8337

#1	32640.	928.5	22.77	3873.	24.74	223200.
#2	32340.	933.4	23.35	3884.	24.99	221700.
#3	32210.	930.8	22.14	3891.	25.03	219500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31.07	253.1	176.7	201.3	50470.	11870.
Stddev	.36	.8	.5	1.8	95.	97.
%RSD	1.172	.3207	.2879	.9113	.1877	.8187

#1	30.76	252.3	176.3	200.1	50570.	11980.
#2	31.00	253.0	176.4	200.5	50470.	11790.
#3	31.47	253.9	177.2	203.4	50380.	11830.

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	88660.	929.5	9621.	277.3	13660.	151.8
Stddev	404.	8.1	78.	1.9	23.	1.9
%RSD	.4551	.8736	.8089	.6823	.1666	1.226

#1	89040.	936.5	9711.	275.8	13640.	150.7
#2	88710.	931.5	9581.	276.7	13670.	150.8
#3	88230.	920.6	9572.	279.5	13680.	154.0

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

Sample Name: 460-111461-K-1-C MS Acquired: 4/5/2016 14:38:04 Type: Unk
Method: sw03182016(v22) 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	938.8	941.9	320.8	2086.	260.6	232.1
Stddev	13.6	5.9	1.3	2.	2.1	1.2
%RSD	1.449	.6250	.4173	.0720	.7919	.5101
#1	926.5	939.0	319.6	2085.	258.7	230.9
#2	936.4	938.0	320.5	2088.	260.2	232.0
#3	953.4	948.7	322.2	2085.	262.8	233.3

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	295.3	563.3	1099.	2673.
Stddev	.8	3.8	2.	41.
%RSD	.2596	.6694	.2134	1.529
#1	294.6	567.7	1098.	2655.
#2	295.2	560.9	1097.	2645.
#3	296.1	561.3	1102.	2720.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2894.9	34998.	5581.1
Stddev	14.2	489.	124.6
%RSD	.49008	1.3983	2.2317
#1	2878.5	34489.	5471.2
#2	2903.1	35041.	5555.8
#3	2903.0	35465.	5716.4

Sample Name: pds 460-111461-K-1-A Acquired: 4/5/2016 14:41:53 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24880.	1878.	44.86	6293.	49.21	F 267000.
Stddev	113.	6.	.43	21.	.17	918.
%RSD	.4557	.3150	.9545	.3341	.3376	.3438
#1	24850.	1883.	44.58	6317.	49.39	267000.
#2	24790.	1880.	44.64	6283.	49.17	266100.
#3	25010.	1871.	45.35	6278.	49.06	267900.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	55.74	491.2	255.0	319.9	45700.	20000.
Stddev	.14	1.3	1.0	.3	194.	17.
%RSD	.2464	.2698	.3789	.0832	.4238	.0840
#1	55.83	492.6	256.1	320.2	45570.	19990.
#2	55.81	490.1	254.7	319.7	45600.	19990.
#3	55.58	490.8	254.3	319.8	45920.	20020.
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	116700.	1114.	18960.	515.4	F 17130.	459.0
Stddev	321.	6.	128.	2.8	85.	3.3
%RSD	.2754	.5578	.6768	.5439	.4957	.7095
#1	117100.	1113.	18900.	518.6	17230.	461.8
#2	116400.	1108.	18870.	514.4	17100.	455.4
#3	116600.	1121.	19110.	513.3	17070.	459.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: pds 460-111461-K-1-A Acquired: 4/5/2016 14:41:53 Type: Unk
Method: sw03182016(v22) 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	1939.	1949.	551.9	2775.	517.0	483.9
Stddev	9.	10.	.3	1.	2.8	.6
%RSD	.4590	.4987	.0562	.0307	.5498	.1182

#1	1944.	1942.	552.1	2775.	519.9	483.9
#2	1944.	1960.	552.1	2776.	514.3	484.5
#3	1929.	1945.	551.6	2775.	516.8	483.3

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	519.0	805.8	1167.	1750.
Stddev	2.2	1.6	1.	10.
%RSD	.4199	.2034	.0835	.5738

#1	520.6	805.1	1166.	1754.
#2	519.9	804.7	1166.	1756.
#3	516.5	807.7	1168.	1738.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2865.5	35055.	5576.9
Stddev	5.0	111.	26.3
%RSD	.17432	.31667	.47072

#1	2861.7	34976.	5562.1
#2	2871.2	35182.	5607.2
#3	2863.6	35007.	5561.3

Sample Name: CCVL Acquired: 4/5/2016 14:53:36 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	217.7	14.69	9.348	212.2	2.013	4945.
Stddev	9.4	1.01	.118	.4	.098	14.
%RSD	4.311	6.899	1.262	.2086	4.849	.2811

#1	216.6	14.76	9.451	212.2	1.900	4929.
#2	208.9	15.67	9.219	212.7	2.067	4955.
#3	227.5	13.65	9.372	211.8	2.072	4949.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.144	53.11	10.42	23.47	161.1	4749.
Stddev	.059	.37	.43	.28	4.9	21.
%RSD	1.418	.6956	4.083	1.213	3.069	.4456

#1	4.189	52.85	10.07	23.15	163.4	4724.
#2	4.078	53.53	10.29	23.68	155.4	4763.
#3	4.166	52.94	10.89	23.58	164.5	4759.

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	4982.	15.82	4709.	44.02	12.07	18.49
Stddev	11.	.10	30.	.45	1.32	1.32
%RSD	.2142	.6321	.6310	1.021	10.95	7.135

#1	4972.	15.73	4742.	44.52	11.26	17.00
#2	4993.	15.81	4696.	43.90	11.35	18.97
#3	4982.	15.93	4687.	43.64	13.59	19.50

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/5/2016 14:53:36 Type: QC
Method: sw03182016(v22) 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	20.63	23.72	50.29	31.46	47.42	20.63
Stddev	1.66	.79	.18	.09	.44	.23
%RSD	8.048	3.328	.3620	.2936	.9239	1.090
#1	22.54	24.47	50.11	31.42	47.64	20.75
#2	19.53	23.80	50.30	31.57	47.71	20.38
#3	19.83	22.90	50.47	31.40	46.92	20.78

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	51.45	20.15	20.68	F 13.08
Stddev	.16	.01	.09	6.01
%RSD	.3109	.0705	.4212	45.93
#1	51.50	20.13	20.64	19.27
#2	51.59	20.16	20.62	7.261
#3	51.28	20.16	20.78	12.73

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3060.2	36430.	5557.4
Stddev	9.8	67.	51.4
%RSD	.31944	.18283	.92439
#1	3055.4	36464.	5507.8
#2	3053.7	36353.	5554.0
#3	3071.4	36472.	5610.4

Sample Name: 460-111461-G-3-A@4 Acquired: 4/5/2016 15:01:37 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19100.	16.91	1.493	581.2	1.060	F 317100.
Stddev	113.	1.51	.380	2.0	.041	758.
%RSD	.5924	8.910	25.46	.3457	3.841	.2390

#1	18980.	15.39	1.693	579.3	1.102	316200.
#2	19200.	16.93	1.731	581.1	1.055	317700.
#3	19130.	18.40	1.055	583.3	1.022	317300.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.913	15.96	76.67	131.0	56240.	3143.
Stddev	.138	.34	.46	.6	104.	10.
%RSD	3.515	2.107	.5937	.4668	.1846	.3137

#1	3.819	15.94	76.24	130.6	56250.	3145.
#2	3.849	16.31	76.63	131.7	56350.	3151.
#3	4.071	15.63	77.15	130.7	56140.	3132.

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	33160.	679.8	1231.	39.17	806.6	4.492
Stddev	117.	1.1	7.	.67	4.8	1.091
%RSD	.3534	.1671	.5932	1.700	.5991	24.29

#1	33020.	679.1	1223.	38.54	802.4	3.470
#2	33220.	681.1	1238.	39.12	805.4	5.641
#3	33230.	679.1	1230.	39.86	811.9	4.365

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

Sample Name: 460-111461-G-3-A@4 Acquired: 4/5/2016 15:01:37 Type: Unk
Method: sw03182016(v22) 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	3.589	.5404	73.91	1645.	34.60	2.547
Stddev	3.667	2.185	.12	10.	.18	.139
%RSD	102.2	404.3	.1625	.6095	.5256	5.448
#1	6.013	-1.137	73.86	1635.	34.44	2.526
#2	5.382	3.011	74.04	1644.	34.80	2.420
#3	-.6295	-.2528	73.81	1655.	34.57	2.695

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.62	1878.	684.9	1897.
Stddev	.91	10.	1.5	21.
%RSD	6.670	.5535	.2181	1.096
#1	13.29	1870.	683.9	1919.
#2	12.92	1890.	684.1	1894.
#3	14.65	1875.	686.6	1877.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2863.8	34215.	5579.8
Stddev	5.8	65.	27.7
%RSD	.20412	.19075	.49640
#1	2870.0	34150.	5611.8
#2	2863.0	34215.	5563.5
#3	2858.4	34280.	5564.2

Sample Name: 460-111461-K-1-B DU Acquired: 4/5/2016 14:26:14 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22950.	19.21	.2882	4446.	1.232	F 263300.
Stddev	129.	2.03	.4939	11.	.041	1089.
%RSD	.5634	10.58	171.4	.2504	3.359	.4135

#1	22800.	17.64	-.2500	4458.	1.242	264400.
#2	23000.	18.48	.3941	4437.	1.267	263000.
#3	23050.	21.50	.7207	4444.	1.186	262300.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.917	19.72	62.41	82.54	46670.	2728.
Stddev	.171	.05	.54	.49	69.	19.
%RSD	1.922	.2418	.8583	.5940	.1483	.7090

#1	9.114	19.72	63.01	82.66	46740.	2711.
#2	8.836	19.77	61.97	82.96	46620.	2749.
#3	8.801	19.67	62.27	82.00	46630.	2722.

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	102700.	695.8	883.4	28.99	F 16960.	-1.427
Stddev	521.	1.2	4.9	.25	44.	1.080
%RSD	.5077	.1720	.5558	.8726	.2622	75.68

#1	103300.	696.6	877.7	28.84	17010.	-.3289
#2	102400.	696.4	886.6	28.85	16920.	-1.464
#3	102400.	694.5	885.9	29.28	16940.	-2.487

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-111461-K-1-B DU Acquired: 4/5/2016 14:26:14 Type: Unk
Method: sw03182016(v22) 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	1.780	-7.959	72.18	2377.	18.52	.8135
Stddev	1.859	.636	.14	3.	.72	.1670
%RSD	104.5	7.995	.1929	.1077	3.905	20.53
#1	.7131	-7.377	72.31	2378.	19.30	.7221
#2	.6993	-7.862	72.03	2374.	18.38	1.006
#3	3.926	-8.638	72.20	2378.	17.88	.7123

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	35.80	346.7	697.0	1638.
Stddev	1.44	.7	2.1	11.
%RSD	4.019	.2134	.2989	.6598
#1	36.68	346.1	698.7	1641.
#2	36.58	347.5	694.7	1647.
#3	34.14	346.6	697.6	1626.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2960.7	34859.	5664.8
Stddev	14.9	351.	40.5
%RSD	.50243	1.0055	.71480
#1	2943.6	34474.	5620.8
#2	2968.8	34942.	5672.9
#3	2969.8	35160.	5700.5

Sample Name: 460-111539-A-3-D@4 Acquired: 4/5/2016 15:09:33 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19030.	9.912	.8026	182.1	.9518	3039.
Stddev	159.	.567	.3611	1.2	.0370	40.
%RSD	.8338	5.723	44.99	.6816	3.890	1.329
#1	18850.	10.14	.9726	180.7	.9502	3001.
#2	19070.	9.265	1.047	183.0	.9156	3034.
#3	19160.	10.33	.3879	182.7	.9896	3081.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3783	16.06	38.02	55.04	37710.	893.8
Stddev	.0755	.08	.62	.78	337.	9.4
%RSD	19.95	.4844	1.619	1.412	.8921	1.053
#1	.3310	15.98	37.43	54.17	37380.	899.0
#2	.3385	16.14	37.98	55.28	37700.	899.5
#3	.4653	16.07	38.66	55.66	38060.	882.9

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	3207.	741.7	25.08	30.63	158.2	1.027
Stddev	37.	6.7	5.71	.63	.4	.620
%RSD	1.152	.8977	22.75	2.072	.2566	60.34
#1	3173.	736.0	24.01	30.03	157.7	1.198
#2	3201.	740.1	31.25	31.29	158.5	1.543
#3	3246.	749.0	19.99	30.57	158.3	.3396

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

Sample Name: 460-111539-A-3-D@4 Acquired: 4/5/2016 15:09:33 Type: Unk
Method: sw03182016(v22) 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	2.309	-1.742	42.01	172.0	-2.015	1.784
Stddev	.541	1.879	.67	1.3	.169	.290
%RSD	23.42	1079.	1.606	.7408	8.375	16.24

#1	2.616	-2.211	41.32	170.6	-2.189	1.466
#2	1.684	.1971	42.05	172.5	-1.852	1.853
#3	2.625	1.491	42.66	173.0	-2.003	2.033

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.236	20.81	499.5	636.2
Stddev	.580	.31	5.5	28.0
%RSD	17.94	1.501	1.101	4.400

#1	2.680	20.62	493.7	618.3
#2	3.838	20.64	500.2	668.5
#3	3.189	21.17	504.6	621.9

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	3067.8	37051.	5728.5
Stddev	2.8	76.	21.7
%RSD	.09206	.20637	.37928

#1	3067.8	36967.	5711.6
#2	3064.9	37116.	5753.0
#3	3070.5	37069.	5720.9

Sample Name: 460-111529-D-6-A@4 Acquired: 4/5/2016 15:21:25 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	118000.	-1.164	2.745	987.9	6.605	1608.
Stddev	528.	1.574	.114	4.7	.098	9.
%RSD	.4474	135.2	4.160	.4762	1.477	.5391

#1	118600.	.3732	2.802	988.2	6.679	1603.
#2	117900.	-2.773	2.820	983.1	6.494	1618.
#3	117500.	-1.093	2.614	992.4	6.642	1603.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1448	94.93	199.3	147.4	164200.	55240.
Stddev	.1120	.33	.6	.6	368.	163.
%RSD	77.36	.3520	.3013	.4361	.2242	.2955

#1	.0367	94.76	199.1	147.8	163800.	55420.
#2	.2604	95.31	200.0	146.7	164200.	55190.
#3	.1374	94.70	198.9	147.8	164500.	55100.

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	50760.	2414.	2351.	136.0	87.01	3.462
Stddev	107.	5.	16.	.5	.59	1.248
%RSD	.2113	.2103	.6838	.3475	.6745	36.04

#1	50770.	2408.	2334.	135.7	86.35	4.854
#2	50850.	2416.	2351.	135.8	87.18	2.446
#3	50640.	2417.	2366.	136.6	87.48	3.085

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

Sample Name: 460-111529-D-6-A@4 Acquired: 4/5/2016 15:21:25 Type: Unk
Method: sw03182016(v22) 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	13.71	.1560	245.3	417.7	-8.437	1.172
Stddev	4.81	.7347	.7	.9	.673	.096
%RSD	35.12	471.0	.2991	.2048	7.976	8.171
#1	9.143	-.4941	245.4	416.8	-8.476	1.235
#2	18.74	.0090	246.0	418.5	-7.745	1.220
#3	13.24	.9531	244.6	417.7	-9.090	1.062

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.303	18.25	10030.	1111.
Stddev	.288	.15	52.	9.
%RSD	4.572	.8235	.5151	.7653
#1	6.116	18.25	9997.	1114.
#2	6.635	18.09	10000.	1117.
#3	6.158	18.40	10090.	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	3132.0	37151.	5897.8
Stddev	23.6	446.	114.1
%RSD	.75256	1.2002	1.9352
#1	3109.4	36733.	5791.3
#2	3130.2	37099.	5883.8
#3	3156.5	37621.	6018.3

Sample Name: 460-111006-A-1-B@4 Acquired: 4/5/2016 15:33:40 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24750.	8.374	1.157	344.1	1.165	3551.
Stddev	124.	1.678	.488	2.2	.035	9.
%RSD	.5017	20.03	42.16	.6522	3.008	.2520
#1	24760.	7.312	1.464	344.8	1.143	3561.
#2	24620.	7.503	1.414	341.6	1.205	3545.
#3	24870.	10.31	.5947	345.9	1.147	3548.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3384	12.01	37.89	36.01	48750.	990.4
Stddev	.0717	.12	.26	.57	146.	22.8
%RSD	21.20	1.022	.6947	1.593	.3003	2.299
#1	.2560	11.98	37.82	36.61	48830.	975.6
#2	.3720	11.90	38.17	35.96	48830.	1017.
#3	.3871	12.14	37.66	35.46	48580.	978.9

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	3251.	1253.	29.45	47.46	821.4	.5996
Stddev	13.	8.	10.20	.38	6.4	1.427
%RSD	.4073	.6637	34.62	.8056	.7845	238.0
#1	3263.	1262.	37.11	47.05	815.9	2.009
#2	3237.	1250.	33.35	47.53	819.9	-.8447
#3	3252.	1246.	17.88	47.80	828.5	.6342

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

Sample Name: 460-111006-A-1-B@4 Acquired: 4/5/2016 15:33:40 Type: Unk
Method: sw03182016(v22) 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	4.381	-6461	41.25	408.9	-1.651	1.179
Stddev	4.925	.4379	.10	1.0	.755	.118
%RSD	112.4	67.77	.2485	.2495	45.70	10.02
#1	7.342	-.9321	41.17	407.8	-2.071	1.256
#2	-1.304	-.8643	41.37	409.0	-2.104	1.237
#3	7.106	-.1420	41.21	409.8	-.7802	1.043

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.698	27.99	588.6	858.4
Stddev	1.085	.28	.7	4.7
%RSD	23.09	.9840	.1139	.5468
#1	3.448	28.21	587.8	854.3
#2	5.254	28.08	588.9	863.5
#3	5.391	27.68	589.0	857.6

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	3100.4	37166.	5724.7
Stddev	4.1	208.	124.0
%RSD	.13069	.55951	2.1657
#1	3104.9	37057.	5794.9
#2	3097.1	37035.	5797.6
#3	3099.1	37406.	5581.5

Sample Name: sd 460-111461-K-1-A Acquired: 4/5/2016 14:34:07 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4596.	7.654	-1.1416	896.1	.2567	51640.
Stddev	18.	.516	.4350	1.7	.0486	442.
%RSD	.3892	6.746	307.2	.1926	18.92	.8563

#1	4613.	7.657	.3572	894.1	.2288	51910.
#2	4597.	7.135	-.4423	896.6	.3127	51890.
#3	4577.	8.168	-.3397	897.5	.2285	51130.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.682	4.040	12.88	15.97	9640.	533.8
Stddev	.036	.097	.36	.95	47.	32.3
%RSD	2.122	2.410	2.827	5.937	.4874	6.054

#1	1.719	4.047	13.30	17.02	9694.	501.0
#2	1.647	4.134	12.68	15.72	9620.	565.6
#3	1.681	3.940	12.66	15.18	9607.	534.8

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	20040.	142.8	165.3	5.778	3517.	-.7529
Stddev	95.	.8	7.9	.370	13.	2.045
%RSD	.4720	.5471	4.777	6.407	.3619	271.6

#1	20080.	143.4	171.4	5.655	3504.	-3.063
#2	20110.	143.0	156.4	5.486	3518.	.8247
#3	19940.	141.9	168.0	6.195	3529.	-.0203

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

Sample Name: sd 460-111461-K-1-A Acquired: 4/5/2016 14:34:07 Type: Unk
Method: sw03182016(v22) 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	-5.478	-.7104	14.11	497.6	.6924	.0730
Stddev	2.564	.4436	.26	2.1	.1596	.1817
%RSD	46.80	62.45	1.865	.4193	23.04	249.0
#1	-7.769	-.7880	14.32	499.9	.5082	.2481
#2	-2.709	-1.110	13.81	497.4	.7865	-.1146
#3	-5.957	-.2331	14.20	495.7	.7826	.0854

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.724	69.74	140.9	304.0
Stddev	.662	.28	1.3	8.2
%RSD	9.839	.4059	.9241	2.708
#1	7.155	69.90	142.0	300.7
#2	7.055	69.91	139.5	313.3
#3	5.963	69.42	141.1	297.9

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	3037.0	35809.	5491.8
Stddev	8.4	276.	27.7
%RSD	.27772	.77149	.50507
#1	3042.1	35627.	5460.0
#2	3041.5	35673.	5504.0
#3	3027.2	36127.	5511.3

Sample Name: CCB Acquired: 4/5/2016 15:41:30 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.602	2.469	-0.0197	.2717	-.0285	-18.65
Stddev	10.33	.774	.3405	.1237	.1212	1.16
%RSD	2868.	31.36	1731.	45.55	425.3	6.195

#1	-3.950	2.523	-.0465	.2886	.0513	-17.38
#2	-8.417	1.669	-.3459	.3861	.0312	-19.65
#3	11.29	3.214	.3334	.1403	-.1679	-18.91

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0639	.1846	.0656	-2.728	7.681	26.80
Stddev	.0617	.0806	.3654	.313	2.207	36.95
%RSD	96.49	43.66	557.4	11.49	28.73	137.9

#1	-.0111	.1416	.0240	-2.430	5.622	58.74
#2	-.1318	.2776	-.2773	-2.699	10.01	35.33
#3	-.0490	.1346	.4500	-3.055	7.409	-13.67

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	5.606	.1230	-26.25	-.2391	.9172	1.099
Stddev	3.356	.0559	13.39	.3911	.7383	3.374
%RSD	59.86	45.43	51.01	163.5	80.50	306.9

#1	5.905	.1743	-16.83	.1150	1.548	3.526
#2	8.803	.1312	-41.58	-.1735	1.099	2.526
#3	2.111	.0634	-20.35	-.6589	.1050	-2.754

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

Sample Name: CCB Acquired: 4/5/2016 15:41:30 Type: QC
Method: sw03182016(v22) 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	-4.476	1.166	-.0382	.1332	-2.272	1.001
Stddev	1.482	1.080	.2286	.1179	.373	.425
%RSD	33.12	92.62	599.1	88.54	16.43	42.51
#1	-6.097	.0834	.1853	.0862	-1.870	1.462
#2	-4.142	2.244	-.2716	.2674	-2.609	.9176
#3	-3.189	1.172	-.0282	.0460	-2.335	.6233

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4417	.1686	.5133	5.862
Stddev	.3460	.0530	.1487	10.54
%RSD	78.34	31.42	28.97	179.8
#1	-.7117	.1447	.6745	16.75
#2	-.5619	.2292	.4841	5.123
#3	-.0516	.1317	.3814	-4.287

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	3037.4	36686.	5499.1
Stddev	3.4	154.	95.6
%RSD	.11263	.41895	1.7379
#1	3033.4	36861.	5609.3
#2	3039.8	36574.	5449.0
#3	3038.8	36623.	5439.1

Sample Name: CCV Acquired: 4/5/2016 14:45:38 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120600.	2446.	1185.	10030.	987.0	121300.
Stddev	339.	12.	3.	5.	3.4	453.
%RSD	.2813	.5035	.2279	.0530	.3470	.3736

#1	120200.	2459.	1182.	10030.	984.6	120800.
#2	120700.	2435.	1186.	10020.	985.5	121500.
#3	120900.	2444.	1187.	10030.	990.9	121600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1242.	2475.	4994.	12310.	97270.	48460.
Stddev	1.	1.	13.	7.	414.	102.
%RSD	.0749	.0392	.2668	.0589	.4253	.2114

#1	1242.	2476.	4981.	12320.	96810.	48350.
#2	1241.	2474.	4992.	12310.	97390.	48480.
#3	1243.	2475.	5007.	12300.	97610.	48550.

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	121900.	4879.	119500.	2518.	7523.	974.2
Stddev	300.	16.	469.	5.	14.	4.2
%RSD	.2460	.3369	.3925	.1867	.1906	.4277

#1	121600.	4860.	118900.	2521.	7539.	978.5
#2	122200.	4890.	119600.	2513.	7511.	973.9
#3	122000.	4887.	119900.	2521.	7521.	970.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/5/2016 14:45:38 Type: QC
Method: sw03182016(v22) 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	2482.	2529.	2468.	2464.	1001.	2501.
Stddev	13.	24.	6.	9.	2.	4.
%RSD	.5040	.9598	.2292	.3729	.2080	.1478

#1	2496.	2556.	2464.	2455.	1003.	2505.
#2	2474.	2509.	2464.	2464.	999.9	2498.
#3	2475.	2521.	2474.	2474.	998.9	2501.

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1002.	4916.	9926.	9665.
Stddev	4.	6.	84.	77.
%RSD	.4417	.1129	.8491	.7957

#1	1007.	4918.	9834.	9583.
#2	997.8	4910.	10000.	9736.
#3	1003.	4921.	9945.	9674.

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	2801.0	33592.	5348.5
Stddev	6.8	239.	16.8
%RSD	.24443	.71287	.31436

#1	2808.8	33864.	5345.7
#2	2798.1	33502.	5366.6
#3	2796.1	33411.	5333.3

Sample Name: CCB Acquired: 4/5/2016 14:49:28 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.031	-.0839	-.3568	.2663	.0553	-10.36
Stddev	4.157	.6210	.5946	.1644	.1027	3.36
%RSD	59.13	740.3	166.7	61.73	185.8	32.48

#1	2.340	.3214	.3081	.3146	.1557	-6.472
#2	10.26	.2258	-.8375	.4010	-.0496	-12.27
#3	8.493	-.7989	-.5409	.0831	.0597	-12.33

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1665	.0541	.2428	-2.594	-6.336	6.193
Stddev	.0268	.1092	.2789	.181	2.325	12.58
%RSD	16.11	201.8	114.9	6.988	36.70	203.2

#1	-.1588	.0255	.1145	-2.718	-8.890	-4.657
#2	-.1963	-.0379	.5628	-2.677	-5.776	19.98
#3	-.1443	.1747	.0512	-2.386	-4.342	3.251

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	4.884	.0989	-11.07	-.2663	1.307	-.3030
Stddev	4.247	.0345	7.86	.2417	1.198	.3560
%RSD	86.95	34.86	71.05	90.79	91.66	117.5

#1	5.068	.0850	-2.308	-.0831	2.619	-.1665
#2	.5488	.0735	-13.37	-.1754	1.034	-.0354
#3	9.036	.1381	-17.52	-.5403	.2695	-.7071

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

Sample Name: CCB Acquired: 4/5/2016 14:49:28 Type: QC
Method: sw03182016(v22) 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	-2.060	.4245	-.0454	.2072	-2.284	.9017
Stddev	1.140	1.064	.0957	.2153	.279	.5930
%RSD	55.36	250.7	210.6	103.9	12.22	65.76
#1	-1.903	.2576	.0650	.3563	-2.548	1.529
#2	-3.270	1.562	-.1034	.3050	-1.992	.8257
#3	-1.005	-.5462	-.0979	-.0396	-2.313	.3504

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2026	.0536	.4085	-.3405
Stddev	.3111	.0284	.1372	8.480
%RSD	153.6	52.95	33.58	2490.
#1	-.1267	.0851	.5169	-9.988
#2	-.5446	.0457	.4544	3.031
#3	.0636	.0300	.2543	5.935

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	3043.0	36748.	5454.8
Stddev	14.4	91.	88.3
%RSD	.47261	.24768	1.6182
#1	3030.2	36648.	5386.7
#2	3040.2	36771.	5423.2
#3	3058.5	36826.	5554.5

Sample Name: 460-111461-G-2-A@4 Acquired: 4/5/2016 14:57:40 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31680.	7.434	2.430	368.1	2.792	14110.
Stddev	63.	.442	.378	.5	.126	94.
%RSD	.1986	5.946	15.54	.1383	4.503	.6664

#1	31690.	7.883	2.043	367.7	2.928	14000.
#2	31740.	7.000	2.797	368.7	2.679	14170.
#3	31610.	7.419	2.450	368.0	2.769	14160.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.586	52.88	92.14	65.39	91680.	4917.
Stddev	.103	.06	1.09	.51	277.	27.
%RSD	1.362	.1064	1.187	.7741	.3021	.5441

#1	7.623	52.94	91.48	64.92	91380.	4920.
#2	7.470	52.86	91.53	65.31	91930.	4943.
#3	7.666	52.83	93.40	65.93	91720.	4890.

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	10200.	3461.	595.2	62.14	244.3	.6244
Stddev	61.	20.	1.2	.12	.8	.6887
%RSD	.5964	.5922	.1947	.1999	.3336	110.3

#1	10130.	3437.	595.0	62.01	245.2	-.1595
#2	10240.	3471.	596.5	62.16	243.6	1.132
#3	10240.	3474.	594.2	62.26	244.2	.9010

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

Sample Name: 460-111461-G-2-A@4 Acquired: 4/5/2016 14:57:40 Type: Unk
Method: sw03182016(v22) 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	8.267	-1.166	122.2	4940.	-.6605	.9345
Stddev	2.288	.982	.8	14.	.2111	.2085
%RSD	27.68	84.21	.6227	.2820	31.96	22.31
#1	5.765	-2.089	122.0	4949.	-.8513	1.078
#2	8.785	-.1340	123.1	4946.	-.4338	.6953
#3	10.25	-1.276	121.6	4924.	-.6963	1.030

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	17.93	61.41	1454.	1331.
Stddev	.28	.24	2.	24.
%RSD	1.538	.3906	.1129	1.822
#1	17.62	61.14	1455.	1353.
#2	18.01	61.54	1454.	1305.
#3	18.15	61.56	1452.	1336.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3141.5	37037.	5778.4
Stddev	12.8	85.	33.5
%RSD	.40795	.22989	.58046
#1	3131.4	37053.	5740.6
#2	3137.3	36945.	5790.1
#3	3155.9	37113.	5804.5

Sample Name: 460-111461-G-4-A@4 Acquired: 4/5/2016 15:05:35 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36080.	19.73	1.637	436.8	2.397	94100.
Stddev	289.	1.93	.291	.6	.016	223.
%RSD	.8018	9.778	17.76	.1396	.6505	.2369

#1	35990.	21.80	1.968	436.3	2.397	94270.
#2	35840.	19.40	1.426	437.5	2.381	93850.
#3	36400.	17.99	1.516	436.6	2.412	94190.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8758	44.47	101.9	108.8	66290.	4231.
Stddev	.1224	.15	.4	.3	140.	25.
%RSD	13.98	.3469	.4368	.3085	.2116	.5914

#1	.8351	44.44	102.2	108.9	66430.	4211.
#2	.7790	44.64	101.4	109.0	66310.	4259.
#3	1.013	44.33	102.2	108.4	66150.	4222.

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	20390.	1107.	1059.	52.85	690.9	1.373
Stddev	39.	4.	6.	.14	3.1	1.565
%RSD	.1905	.3644	.5259	.2569	.4434	114.0

#1	20410.	1111.	1064.	52.79	687.4	-.1545
#2	20350.	1105.	1060.	52.76	692.5	2.973
#3	20420.	1104.	1053.	53.01	692.9	1.300

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

Sample Name: 460-111461-G-4-A@4 Acquired: 4/5/2016 15:05:35 Type: Unk
Method: sw03182016(v22) 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	5.508	.2681	106.7	510.3	14.62	2.246
Stddev	1.703	2.412	.3	.8	.65	.147
%RSD	30.92	899.5	.2821	.1487	4.428	6.543
#1	5.883	-.9146	106.3	509.6	15.19	2.165
#2	6.993	3.043	106.7	511.1	13.91	2.416
#3	3.649	-1.324	106.9	510.1	14.75	2.157

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	32.08	422.0	1000.0	1183.
Stddev	.59	1.8	1.23	19.
%RSD	1.831	.4201	.1234	1.576
#1	31.74	423.3	1001.	1205.
#2	32.76	420.0	1001.	1171.
#3	31.74	422.8	998.5	1174.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3062.6	36804.	5816.9
Stddev	11.5	186.	97.9
%RSD	.37589	.50417	1.6834
#1	3073.6	36844.	5874.4
#2	3063.6	36967.	5872.5
#3	3050.6	36602.	5703.9

Sample Name: 460-111539-A-4-B@4 Acquired: 4/5/2016 15:13:33 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23940.	17.54	1.355	561.5	1.239	15160.
Stddev	149.	3.06	.386	2.4	.109	72.
%RSD	.6205	17.46	28.50	.4241	8.770	.4723

#1	23800.	17.84	1.188	559.0	1.285	15180.
#2	23920.	14.34	1.080	562.0	1.115	15080.
#3	24100.	20.44	1.797	563.7	1.317	15220.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9650	15.20	52.03	115.9	47650.	1208.
Stddev	.1132	.14	.45	.8	69.	28.
%RSD	11.73	.9121	.8663	.6903	.1444	2.296

#1	.9604	15.13	51.54	115.0	47570.	1207.
#2	.8542	15.36	52.15	116.3	47670.	1181.
#3	1.080	15.12	52.42	116.4	47700.	1236.

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	10540.	1006.	78.42	52.03	1608.	3.109
Stddev	57.	4.	4.38	.38	6.	.009
%RSD	.5388	.3688	5.585	.7362	.3457	.2879

#1	10580.	1005.	74.37	51.68	1602.	3.117
#2	10470.	1003.	77.81	51.96	1611.	3.112
#3	10560.	1010.	83.07	52.44	1611.	3.099

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

Sample Name: 460-111539-A-4-B@4 Acquired: 4/5/2016 15:13:33 Type: Unk
Method: sw03182016(v22) 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	3.498	.3328	58.98	426.0	-.7313	1.798
Stddev	3.280	1.087	.38	2.9	.3864	.271
%RSD	93.76	326.7	.6390	.6725	52.84	15.06

#1	.6254	1.499	58.71	422.8	-.6800	2.088
#2	7.072	-.6529	58.83	426.9	-1.141	1.552
#3	2.797	.1524	59.41	428.3	-.3731	1.754

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.20	34.35	695.2	770.5
Stddev	.40	.26	3.4	15.8
%RSD	3.062	.7675	.4932	2.055

#1	12.82	34.10	692.0	756.8
#2	13.63	34.32	694.9	767.0
#3	13.15	34.63	698.8	787.8

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	3039.2	36567.	5693.1
Stddev	6.6	181.	83.7
%RSD	.21853	.49477	1.4695

#1	3042.1	36392.	5613.8
#2	3043.8	36753.	5780.5
#3	3031.6	36555.	5684.9

Sample Name: 460-111529-B-5-A@10 Acquired: 4/5/2016 15:17:31 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	82190.	1.116	1.804	577.2	7.161	2011.
Stddev	2398.	1.633	.376	19.9	.262	75.
%RSD	2.918	146.3	20.83	3.455	3.653	3.715

#1	80330.	-.7615	2.040	558.3	6.950	1943.
#2	81350.	1.907	2.000	575.5	7.079	2000.
#3	84900.	2.203	1.370	598.0	7.453	2091.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1217	91.42	139.5	174.3	98240.	24270.
Stddev	.1169	3.29	5.6	6.0	3310.	632.
%RSD	96.05	3.593	4.027	3.450	3.369	2.603

#1	.1241	88.03	134.3	168.1	95040.	23780.
#2	.2374	91.65	138.6	174.6	98050.	24050.
#3	.0037	94.59	145.5	180.1	101600.	24980.

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	29060.	2950.	823.0	101.1	47.14	2.502
Stddev	973.	94.	16.2	3.5	2.87	.350
%RSD	3.349	3.186	1.973	3.433	6.098	14.00

#1	28180.	2867.	816.3	97.40	46.77	2.350
#2	28890.	2932.	811.1	101.6	44.46	2.253
#3	30110.	3052.	841.5	104.3	50.18	2.902

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

Sample Name: 460-111529-B-5-A@10 Acquired: 4/5/2016 15:17:31 Type: Unk
Method: sw03182016(v22) 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	6.394	1.455	206.6	269.4	-6.793	.5100
Stddev	1.900	.675	7.6	8.9	.517	.1904
%RSD	29.71	46.36	3.671	3.312	7.613	37.34
#1	8.099	.8712	198.9	261.2	-7.276	.6629
#2	4.346	1.301	207.0	268.3	-6.247	.5704
#3	6.735	2.194	214.0	278.9	-6.857	.2967

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.361	14.48	4835.	525.2
Stddev	.550	.43	162.	33.5
%RSD	10.25	2.942	3.346	6.372
#1	4.966	14.14	4680.	495.8
#2	5.128	14.33	4822.	518.2
#3	5.989	14.96	5003.	561.6

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	3186.9	37939.	5833.1
Stddev	14.4	250.	106.4
%RSD	.45112	.65924	1.8243
#1	3170.4	37655.	5711.1
#2	3193.4	38127.	5881.6
#3	3196.8	38035.	5906.6

Sample Name: 460-111529-D-7-A@4 Acquired: 4/5/2016 15:25:31 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	95670.	-1.799	2.021	680.4	4.852	1481.
Stddev	569.	2.210	.387	.6	.004	10.
%RSD	.5948	122.9	19.14	.0885	.0917	.6513

#1	95780.	-4.290	2.468	681.0	4.856	1492.
#2	95050.	-.0754	1.797	679.8	4.848	1479.
#3	96170.	-1.030	1.799	680.6	4.851	1472.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0283	53.16	150.1	138.2	130600.	43770.
Stddev	.0899	.57	.2	.6	403.	160.
%RSD	317.7	1.066	.1352	.4408	.3083	.3658

#1	-.0814	52.54	150.4	138.7	131000.	43790.
#2	.0755	53.64	150.1	138.2	130200.	43600.
#3	-.0790	53.31	150.0	137.5	130500.	43920.

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	40960.	2177.	1745.	122.4	51.72	1.770
Stddev	133.	5.	8.	.3	1.33	1.038
%RSD	.3241	.2441	.4548	.2071	2.573	58.67

#1	40880.	2181.	1751.	122.1	52.99	2.370
#2	40870.	2171.	1736.	122.6	51.84	2.368
#3	41110.	2180.	1747.	122.6	50.34	.5709

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

Sample Name: 460-111529-D-7-A@4 Acquired: 4/5/2016 15:25:31 Type: Unk
Method: sw03182016(v22) 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	8.661	1.990	185.4	356.0	-7.294	.9483
Stddev	1.391	.820	1.0	1.5	.462	.1912
%RSD	16.06	41.19	.5638	.4134	6.335	20.16
#1	10.17	1.291	186.3	354.3	-6.787	1.020
#2	7.435	1.787	184.3	357.2	-7.404	.7315
#3	8.375	2.892	185.5	356.3	-7.692	1.093

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.854	11.33	8307.	832.3
Stddev	.303	.06	67.	17.0
%RSD	6.237	.5551	.8106	2.046
#1	4.880	11.28	8363.	850.4
#2	5.142	11.32	8232.	829.8
#3	4.538	11.40	8327.	816.6

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	3137.6	37159.	5913.3
Stddev	8.4	280.	62.6
%RSD	.26691	.75218	1.0581
#1	3132.4	36839.	5914.7
#2	3133.2	37287.	5975.1
#3	3147.3	37352.	5850.0

Sample Name: 460-111529-D-8-A@4 Acquired: 4/5/2016 15:29:35 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	88410.	-1.826	2.119	735.8	4.383	1347.
Stddev	473.	.860	.338	2.6	.157	9.
%RSD	.5348	47.09	15.96	.3491	3.571	.7050

#1	88260.	-1.995	2.434	733.2	4.308	1339.
#2	88030.	-.8937	1.762	735.8	4.563	1358.
#3	88940.	-2.588	2.161	738.3	4.277	1346.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2125	43.61	141.3	55.44	111500.	39700.
Stddev	.1728	.39	.5	.34	228.	99.
%RSD	81.34	.8966	.3466	.6192	.2045	.2498

#1	.1671	43.24	141.0	55.36	111200.	39640.
#2	.0668	43.55	141.9	55.14	111600.	39640.
#3	.4035	44.02	141.2	55.81	111600.	39810.

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	36730.	1195.	1092.	115.8	47.89	2.082
Stddev	87.	1.	6.	.7	.12	1.442
%RSD	.2380	.0976	.5598	.6293	.2461	69.28

#1	36730.	1194.	1089.	116.1	47.99	3.560
#2	36810.	1196.	1087.	115.0	47.91	2.007
#3	36640.	1196.	1099.	116.4	47.76	.6784

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

Sample Name: 460-111529-D-8-A@4 Acquired: 4/5/2016 15:29:35 Type: Unk
Method: sw03182016(v22) 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	5.236	2.183	180.1	316.9	-5.712	.6938
Stddev	1.743	2.573	.6	1.5	.462	.2834
%RSD	33.28	117.8	.3126	.4575	8.082	40.85

#1	7.248	3.914	179.6	315.8	-5.240	.4038
#2	4.225	-.7732	179.8	316.4	-6.163	.9701
#3	4.235	3.408	180.7	318.6	-5.734	.7073

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.809	13.19	7629.	898.7
Stddev	.802	.09	23.	3.3
%RSD	16.68	.7176	.2998	.3709

#1	4.889	13.12	7642.	898.9
#2	5.569	13.15	7642.	895.4
#3	3.970	13.30	7602.	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	3142.4	37312.	5933.3
Stddev	3.3	117.	18.4
%RSD	.10628	.31285	.30953

#1	3146.0	37180.	5914.6
#2	3141.6	37353.	5951.3
#3	3139.5	37402.	5934.0

Sample Name: CCV Acquired: 4/5/2016 15:37:38 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	114200.	2447.	1134.	9947.	953.1	118800.
Stddev	333.	3.	2.	15.	1.4	106.
%RSD	.2918	.1183	.1527	.1491	.1503	.0891

#1	113900.	2444.	1134.	9939.	954.5	118800.
#2	114600.	2450.	1135.	9939.	953.2	118900.
#3	114200.	2446.	1132.	9965.	951.6	118700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1229.	2426.	4974.	12080.	93510.	46830.
Stddev	1.	2.	5.	18.	348.	106.
%RSD	.1064	.0689	.0983	.1463	.3720	.2267

#1	1229.	2426.	4971.	12060.	93610.	46720.
#2	1229.	2424.	4971.	12070.	93120.	46930.
#3	1231.	2427.	4979.	12100.	93790.	46850.

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	121100.	4741.	112800.	2507.	7530.	953.5
Stddev	246.	8.	376.	4.	8.	2.2
%RSD	.2027	.1770	.3331	.1703	.1011	.2307

#1	121000.	4745.	112500.	2505.	7530.	954.4
#2	121400.	4747.	113200.	2504.	7523.	955.1
#3	121000.	4731.	112700.	2512.	7538.	951.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/5/2016 15:37:38 Type: QC
Method: sw03182016(v22) 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	2489.	2424.	2415.	2398.	999.0	2466.
Stddev	4.	25.	8.	3.	.4	6.
%RSD	.1510	1.050	.3222	.1240	.0397	.2504
#1	2492.	2435.	2415.	2399.	998.6	2461.
#2	2490.	2395.	2408.	2395.	999.4	2464.
#3	2485.	2442.	2424.	2400.	999.0	2473.

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	990.1	4749.	9462.	9510.
Stddev	1.6	9.	88.	62.
%RSD	.1625	.1929	.9272	.6480
#1	991.0	4739.	9361.	9536.
#2	988.2	4756.	9519.	9440.
#3	991.0	4753.	9506.	9554.

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	2842.7	34353.	5524.2
Stddev	13.2	138.	26.2
%RSD	.46294	.40132	.47481
#1	2850.5	34507.	5554.5
#2	2850.1	34309.	5509.3
#3	2827.5	34242.	5508.8

Sample Name: CCVL Acquired: 4/5/2016 15:45:40 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	222.1	14.61	9.354	213.8	2.077	4915.
Stddev	5.6	.41	.469	.4	.020	17.
%RSD	2.518	2.824	5.020	.1719	.9774	.3418

#1	223.8	14.53	9.364	213.4	2.059	4898.
#2	215.9	14.25	8.879	214.0	2.099	4915.
#3	226.7	15.06	9.818	214.1	2.074	4931.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.007	53.04	10.55	22.27	159.5	4779.
Stddev	.079	.03	.22	.17	4.8	34.
%RSD	1.970	.0649	2.080	.7672	3.017	.7108

#1	3.934	53.05	10.75	22.20	154.9	4742.
#2	3.997	53.00	10.59	22.47	164.5	4785.
#3	4.091	53.07	10.32	22.15	159.1	4809.

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	4947.	15.60	4617.	44.08	11.58	18.97
Stddev	18.	.11	41.	.34	.99	.59
%RSD	.3540	.7006	.8986	.7762	8.555	3.110

#1	4944.	15.53	4570.	43.68	10.44	18.39
#2	4966.	15.72	4632.	44.31	12.25	19.57
#3	4932.	15.54	4649.	44.24	12.06	18.95

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/5/2016 15:45:40 Type: QC
Method: sw03182016(v22) 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	17.24	24.00	50.38	31.14	47.75	20.73
Stddev	3.00	1.66	.03	.11	.13	.21
%RSD	17.38	6.910	.0603	.3420	.2677	.9981
#1	20.57	25.50	50.35	31.24	47.75	20.54
#2	16.36	24.28	50.41	31.15	47.88	20.69
#3	14.78	22.22	50.37	31.02	47.62	20.95

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	51.58	20.01	20.48	F -2.360
Stddev	.81	.14	.05	18.06
%RSD	1.565	.7061	.2491	765.3
#1	50.65	19.86	20.52	-20.46
#2	52.07	20.04	20.42	15.66
#3	52.03	20.13	20.50	-2.283

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3027.7	36345.	5469.8
Stddev	4.9	18.	34.3
%RSD	.16278	.04823	.62779
#1	3027.2	36361.	5430.7
#2	3032.9	36346.	5483.3
#3	3023.1	36326.	5495.2

Sample Name: 460-111461-K-1-B DU Acquired: 4/5/2016 15:58:40 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2375.	3.770	.1411	472.0	.0929	26800.
Stddev	4.	1.197	.7016	2.4	.0207	138.
%RSD	.1753	31.75	497.4	.5072	22.25	.5140

#1	2370.	2.396	.8614	474.0	.1121	26760.
#2	2378.	4.325	-.5403	472.5	.0956	26700.
#3	2376.	4.588	.1021	469.4	.0710	26960.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9012	2.089	6.475	7.189	4989.	266.7
Stddev	.0235	.106	.334	.822	33.	14.7
%RSD	2.607	5.059	5.154	11.44	.6623	5.511

#1	.8754	2.201	6.860	6.417	4951.	283.4
#2	.9213	1.992	6.286	7.097	4999.	255.8
#3	.9070	2.073	6.278	8.054	5015.	260.9

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	10520.	74.41	57.84	2.981	1862.	-.0844
Stddev	37.	.60	6.93	.332	7.	.7538
%RSD	.3535	.8079	11.98	11.15	.3937	893.1

#1	10520.	74.12	52.85	3.364	1870.	-.4722
#2	10480.	74.01	54.91	2.775	1860.	.7844
#3	10550.	75.10	65.75	2.804	1855.	-.5654

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

Sample Name: 460-111461-K-1-B DU Acquired: 4/5/2016 15:58:40 Type: Unk

Method: sw03182016(v22) 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	-3.310	1.292	7.430	260.3	-1.927	.1391
Stddev	2.594	.237	.040	.5	.572	.1361
%RSD	78.37	18.33	.5323	.2031	29.70	97.81

#1	-0.9299	1.400	7.458	260.8	-1.270	.2101
#2	-6.075	1.456	7.448	260.2	-2.319	-.0178
#3	-2.925	1.021	7.385	259.8	-2.193	.2250

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.993	36.14	73.68	160.6
Stddev	.682	.15	.30	11.5
%RSD	22.78	.4264	.4019	7.130

#1	2.259	36.18	73.55	166.3
#2	3.606	35.97	73.47	168.2
#3	3.113	36.27	74.02	147.5

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	3126.9	36773.	5694.5
Stddev	35.6	253.	94.9
%RSD	1.1379	.68763	1.6673

#1	3093.4	36620.	5595.2
#2	3123.2	36635.	5704.1
#3	3164.2	37065.	5784.4

Sample Name: 460-111461-K-1-A@40 Acquired: 4/5/2016 16:02:39 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2404.	3.647	-1.764	468.5	.0923	26890.
Stddev	15.	1.558	.1795	1.4	.0819	116.
%RSD	.6327	42.71	101.8	.3009	88.73	.4310

#1	2415.	2.813	-.0929	469.1	.1842	26760.
#2	2387.	5.444	-.3825	466.9	.0273	26980.
#3	2412.	2.684	-.0539	469.5	.0653	26940.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9446	2.009	6.694	8.964	5049.	288.4
Stddev	.0546	.115	.267	.314	18.	13.2
%RSD	5.777	5.699	3.991	3.506	.3613	4.571

#1	.9977	1.887	6.387	8.619	5036.	276.3
#2	.8887	2.114	6.874	9.038	5041.	302.5
#3	.9473	2.028	6.821	9.235	5070.	286.5

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	10500.	75.09	63.29	3.023	1846.	-.0893
Stddev	33.	.54	5.17	.117	4.	1.773
%RSD	.3167	.7163	8.167	3.863	.2292	1984.

#1	10470.	74.58	58.16	2.899	1844.	-1.461
#2	10540.	75.02	63.22	3.130	1843.	-.7198
#3	10500.	75.65	68.49	3.039	1851.	1.912

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

Sample Name: 460-111461-K-1-A@40 Acquired: 4/5/2016 16:02:39 Type: Unk
Method: sw03182016(v22) 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	-5.091	-1.464	7.528	261.5	-1.484	.0359
Stddev	1.400	.308	.268	.2	.026	.1621
%RSD	27.50	21.02	3.561	.0929	1.740	451.6
#1	-3.886	-1.387	7.502	261.3	-1.466	.0723
#2	-6.626	-1.803	7.274	261.3	-1.514	-.1413
#3	-4.760	-1.202	7.808	261.7	-1.472	.1766

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.563	36.34	74.30	168.0
Stddev	.852	.13	.41	20.1
%RSD	23.91	.3631	.5488	11.95
#1	4.055	36.22	74.34	175.9
#2	2.579	36.48	73.87	183.0
#3	4.055	36.33	74.68	145.2

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	3123.6	36481.	5667.6
Stddev	7.4	141.	33.5
%RSD	.23808	.38743	.59156
#1	3115.1	36633.	5706.2
#2	3126.9	36353.	5650.6
#3	3128.8	36457.	5645.9

Sample Name: sd 460-111461-K-1-A Acquired: 4/5/2016 16:06:39 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	461.4	2.020	.0878	91.29	-.0126	5280.
Stddev	6.1	2.452	.1459	.29	.0795	58.
%RSD	1.328	121.4	166.1	.3162	628.9	1.108
#1	454.8	4.828	.2563	90.96	-.1016	5273.
#2	467.0	.9309	.0001	91.40	.0514	5225.
#3	462.4	.3011	.0072	91.51	.0122	5341.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1673	.4706	1.012	2.331	984.4	28.75
Stddev	.0234	.1512	.208	.508	4.2	13.69
%RSD	13.98	32.14	20.61	21.80	.4242	47.62
#1	.1510	.3020	.8569	2.355	988.2	17.24
#2	.1568	.5154	.9299	1.811	979.9	43.89
#3	.1941	.5944	1.249	2.826	984.9	25.11

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2044.	14.68	-12.87	.4745	359.8	-.0239
Stddev	16.	.24	1.48	.4851	1.6	.2996
%RSD	.7839	1.665	11.52	102.2	.4359	1254.
#1	2047.	14.75	-12.50	-.0811	359.2	-.3466
#2	2027.	14.41	-11.61	.8143	358.6	.2455
#3	2059.	14.89	-14.51	.6904	361.5	.0294

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

Sample Name: sd 460-111461-K-1-A Acquired: 4/5/2016 16:06:39 Type: Unk
Method: sw03182016(v22) 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	-4.674	.4430	1.212	50.90	-3.158	-.0689
Stddev	4.880	1.826	.121	.30	.092	.1892
%RSD	104.4	412.3	9.991	.5869	2.909	274.7
#1	-8.505	2.438	1.158	50.65	-3.200	.0770
#2	.8198	-1.147	1.128	50.82	-3.221	-.0009
#3	-6.338	.0384	1.351	51.23	-3.052	-.2826

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4979	6.840	14.30	43.30
Stddev	.7909	.072	.26	9.86
%RSD	158.8	1.048	1.841	22.78
#1	1.093	6.759	14.42	53.15
#2	.8009	6.863	14.48	33.43
#3	-.3997	6.897	14.00	43.31

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3147.5	36487.	5516.9
Stddev	5.8	227.	23.2
%RSD	.18348	.62118	.42044
#1	3144.6	36439.	5523.5
#2	3143.7	36734.	5536.2
#3	3154.1	36289.	5491.2

Sample Name: 460-111461-K-1-C MS Acquired: 4/5/2016 16:10:45 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3219.	93.30	2.272	402.7	2.538	22630.
Stddev	205.	4.64	.231	24.6	.115	1396.
%RSD	6.352	4.976	10.15	6.096	4.525	6.167

#1	3008.	87.96	2.042	377.8	2.453	21160.
#2	3233.	95.52	2.270	403.6	2.493	22800.
#3	3416.	96.41	2.503	426.8	2.669	23940.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.168	26.68	17.47	19.98	5371.	1145.
Stddev	.136	1.57	1.36	.56	300.	60.
%RSD	4.298	5.894	7.789	2.827	5.593	5.207

#1	3.016	25.15	15.96	19.33	5059.	1080.
#2	3.209	26.61	17.87	20.32	5398.	1157.
#3	3.279	28.29	18.59	20.29	5658.	1197.

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	9074.	100.4	929.6	29.11	1458.	14.58
Stddev	556.	5.7	57.6	1.52	86.	1.15
%RSD	6.132	5.693	6.192	5.211	5.912	7.896

#1	8478.	94.16	864.4	27.55	1370.	13.61
#2	9164.	101.7	950.8	29.22	1462.	14.29
#3	9580.	105.4	973.5	30.58	1543.	15.85

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

Sample Name: 460-111461-K-1-C MS Acquired: 4/5/2016 16:10:45 Type: Unk
Method: sw03182016(v22) 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	89.35	105.1	31.32	225.6	22.45	23.30
Stddev	3.04	5.6	2.03	12.8	1.58	1.47
%RSD	3.401	5.319	6.469	5.659	7.016	6.306
#1	85.89	101.6	29.33	212.5	20.82	21.82
#2	90.55	102.1	31.26	226.4	22.57	23.33
#3	91.59	111.5	33.38	238.0	23.96	24.76

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	30.38	57.09	111.3	243.9
Stddev	1.70	3.44	6.8	13.3
%RSD	5.587	6.028	6.140	5.457
#1	28.74	53.54	104.2	232.2
#2	30.28	57.31	111.8	241.1
#3	32.13	60.41	117.8	258.4

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	3087.3	36114.	5622.1
Stddev	28.3	318.	83.3
%RSD	.91524	.88028	1.4822
#1	3116.8	36472.	5708.0
#2	3084.8	36003.	5616.6
#3	3060.4	35866.	5541.6

Sample Name: LCS 460-360769/2-A Acquired: 4/5/2016 16:26:42 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1930.	1823.	44.24	1947.	47.83	18630.
Stddev	9.	2.	.43	1.	.10	24.
%RSD	.4454	.1307	.9797	.0755	.2043	.1277

#1	1936.	1822.	44.17	1946.	47.88	18610.
#2	1933.	1821.	43.85	1949.	47.72	18660.
#3	1920.	1825.	44.71	1946.	47.89	18620.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.02	490.1	201.5	227.4	979.1	16990.
Stddev	.07	.5	.9	2.1	20.0	28.
%RSD	.1460	.1098	.4550	.9085	2.046	.1651

#1	49.00	489.5	201.2	225.9	958.0	17010.
#2	49.10	490.2	200.8	226.5	981.5	16960.
#3	48.96	490.6	202.5	229.8	997.8	17000.

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	18490.	483.0	17980.	509.0	505.2	455.0
Stddev	34.	1.0	50.	.4	3.1	1.1
%RSD	.1830	.2170	.2808	.0877	.6217	.2493

#1	18530.	482.2	17950.	509.5	505.6	453.7
#2	18480.	482.6	17950.	508.8	508.1	455.9
#3	18470.	484.2	18030.	508.7	501.9	455.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: LCS 460-360769/2-A Acquired: 4/5/2016 16:26:42 Type: QC

Method: sw03182016(v22) 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.	2075.	484.0	493.8	480.2	483.8
Stddev	6.	30.	1.3	.6	2.1	1.6
%RSD	.3134	1.429	.2779	.1166	.4465	.3333

#1	1877.	2044.	483.0	493.7	479.5	482.3
#2	1881.	2079.	483.6	494.4	478.5	483.6
#3	1889.	2103.	485.6	493.2	482.6	485.5

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	498.2	469.3	482.2	85.39
Stddev	2.0	1.1	.7	9.62
%RSD	.3999	.2365	.1517	11.26

#1	496.4	469.2	481.5	95.29
#2	497.9	468.2	482.2	84.78
#3	500.3	470.4	483.0	76.09

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	3019.6	35873.	5479.2
Stddev	6.9	45.	36.0
%RSD	.22743	.12536	.65643

#1	3013.2	35913.	5445.0
#2	3018.8	35824.	5476.0
#3	3026.9	35881.	5516.7

Sample Name: 460-110133-A-12-D Acquired: 4/5/2016 16:34:35 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2447.	4.471	.0387	37.92	.0099	47680.
Stddev	15.	3.173	.1780	.24	.0261	118.
%RSD	.5929	70.97	460.3	.6396	263.3	.2474

#1	2442.	6.809	.0571	37.64	-.0103	47660.
#2	2464.	5.744	.2067	38.04	.0007	47570.
#3	2436.	.8592	-.1478	38.07	.0394	47810.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0757	.0784	5.207	9.344	143.3	3805.
Stddev	.0235	.1346	.110	.574	3.1	51.
%RSD	31.00	171.7	2.105	6.145	2.190	1.344

#1	-.0542	-.0570	5.116	8.935	143.4	3770.
#2	-.1007	.2123	5.329	9.095	146.4	3863.
#3	-.0722	.0800	5.178	10.00	140.2	3781.

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	3.594	15850.	2.615	8.767	1.308
Stddev	2.7	.019	32.	.273	.803	.599
%RSD	1.122	.5344	.2015	10.45	9.166	45.83

#1	240.0	3.576	15820.	2.770	7.890	1.151
#2	244.7	3.614	15880.	2.300	8.943	1.970
#3	240.1	3.591	15840.	2.776	9.468	.8026

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

Sample Name: 460-110133-A-12-D Acquired: 4/5/2016 16:34:35 Type: Unk
Method: sw03182016(v22) 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	-3.131	.4953	40.89	2.993	51.02	3.298
Stddev	.355	1.654	.04	.113	.75	.215
%RSD	11.35	334.0	.1098	3.762	1.479	6.509
#1	-3.284	2.405	40.84	2.883	50.70	3.240
#2	-2.725	-.4853	40.91	3.108	50.48	3.536
#3	-3.384	-.4343	40.93	2.987	51.88	3.119

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4762	355.9	7.599	6525.
Stddev	.6243	.6	.323	85.
%RSD	131.1	.1763	4.251	1.303
#1	-1.094	356.6	7.847	6549.
#2	.1540	355.4	7.716	6596.
#3	-.4881	355.7	7.233	6431.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3023.8	35730.	5566.3
Stddev	10.2	81.	13.7
%RSD	.33708	.22601	.24570
#1	3014.9	35773.	5572.9
#2	3021.6	35780.	5575.3
#3	3034.9	35637.	5550.5

Sample Name: pds 460-111461-K-1-A Acquired: 4/5/2016 16:14:45 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3900.	1765.	41.05	2331.	44.65	42340.
Stddev	230.	96.	2.50	128.	2.78	2066.
%RSD	5.907	5.448	6.096	5.486	6.226	4.881
#1	3684.	1667.	38.33	2201.	41.97	40150.
#2	3873.	1768.	41.56	2335.	44.45	42600.
#3	4142.	1859.	43.25	2456.	47.52	44260.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.78	469.0	195.7	221.9	5548.	15870.
Stddev	2.46	25.6	11.4	14.7	316.	843.
%RSD	5.159	5.451	5.823	6.607	5.693	5.309
#1	45.18	442.9	183.9	206.7	5220.	15050.
#2	48.10	470.1	196.6	222.9	5575.	15840.
#3	50.08	494.0	206.7	236.0	5850.	16730.

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	27300.	511.8	16310.	493.3	2276.	430.7
Stddev	1377.	23.4	869.	27.3	119.	22.9
%RSD	5.043	4.564	5.325	5.529	5.242	5.316
#1	25830.	486.7	15470.	465.7	2154.	408.5
#2	27500.	515.8	16260.	494.0	2280.	429.2
#3	28560.	532.9	17210.	520.2	2393.	454.2

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

Sample Name: pds 460-111461-K-1-A Acquired: 4/5/2016 16:14:45 Type: Unk
Method: sw03182016(v22) 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	1844.	1938.	460.7	720.0	475.2	465.4
Stddev	102.	99.	29.3	40.5	28.1	27.0
%RSD	5.543	5.087	6.364	5.621	5.902	5.805
#1	1741.	1836.	431.3	679.0	446.6	437.9
#2	1846.	1944.	460.8	721.1	476.3	466.5
#3	1946.	2033.	490.0	759.9	502.7	491.9

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	482.1	462.3	515.5	187.2
Stddev	27.8	24.1	30.3	10.1
%RSD	5.765	5.202	5.877	5.380
#1	453.6	438.8	484.5	176.1
#2	483.8	461.3	516.8	195.8
#3	509.1	486.9	545.1	189.6

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	2956.6	35433.	5422.7
Stddev	14.9	180.	35.3
%RSD	.50336	.50677	.65061
#1	2972.3	35490.	5436.2
#2	2954.7	35232.	5449.2
#3	2942.8	35578.	5382.6

Sample Name: 460-111531-F-1-A@4 Acquired: 4/5/2016 16:18:33 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31340.	27.09	33.47	1027.	3.279	21140.
Stddev	196.	2.00	.14	3.	.127	47.
%RSD	.6256	7.370	.4281	.2468	3.859	.2237

#1	31110.	25.18	33.32	1030.	3.202	21090.
#2	31410.	29.16	33.51	1025.	3.425	21180.
#3	31480.	26.93	33.59	1025.	3.211	21160.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.388	21.04	72.06	318.0	60500.	2444.
Stddev	.086	.33	.39	.9	289.	18.
%RSD	2.537	1.577	.5427	.2930	.4784	.7554

#1	3.363	20.65	72.28	316.9	60170.	2465.
#2	3.318	21.24	72.30	318.3	60710.	2429.
#3	3.484	21.22	71.61	318.7	60620.	2439.

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	7335.	1042.	1758.	52.83	4139.	4.610
Stddev	20.	3.	15.	.27	13.	.683
%RSD	.2753	.2524	.8427	.5040	.3033	14.81

#1	7312.	1039.	1741.	53.10	4153.	5.128
#2	7344.	1044.	1763.	52.56	4138.	3.836
#3	7349.	1043.	1769.	52.84	4128.	4.867

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

Sample Name: 460-111531-F-1-A@4 Acquired: 4/5/2016 16:18:33 Type: Unk
Method: sw03182016(v22) 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	-1.355	-7428	96.51	1436.	8.601	3.472
Stddev	.516	2.273	.43	1.	.269	.124
%RSD	38.07	306.0	.4445	.1018	3.123	3.561
#1	-1.539	-3.348	96.02	1434.	8.778	3.573
#2	-1.754	.2863	96.79	1436.	8.291	3.509
#3	-.7727	.8333	96.73	1437.	8.732	3.334

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	178.2	162.5	657.1	1051.
Stddev	2.1	.4	2.0	13.
%RSD	1.192	.2614	.3032	1.194
#1	180.6	162.1	655.2	1048.
#2	176.9	162.7	657.1	1064.
#3	177.0	162.9	659.2	1039.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3106.7	37621.	5753.0
Stddev	13.7	128.	23.4
%RSD	.44012	.34012	.40722
#1	3097.9	37628.	5751.8
#2	3099.7	37490.	5730.2
#3	3122.4	37746.	5777.0

Sample Name: MB 460-360769/1-A Acquired: 4/5/2016 16:22:31 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.680	1.990	.3819	.0100	.0378	-7.628
Stddev	6.281	.845	.1172	.0598	.0602	2.924
%RSD	170.7	42.46	30.69	597.5	159.2	38.34

#1	-2.439	2.640	.2524	-.0269	.0987	-4.488
#2	-10.49	1.035	.4126	.0790	-.0217	-8.122
#3	1.888	2.295	.4806	-.0221	.0364	-10.27

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0018	.0284	-.4218	-2.871	-7.099	-35.21
Stddev	.0181	.1685	.3088	.479	9.756	11.43
%RSD	1001.	594.3	73.21	16.69	137.4	32.46

#1	.0106	-.0995	-.1171	-3.385	-2.298	-40.41
#2	-.0225	.2193	-.7345	-2.437	-18.32	-43.12
#3	.0065	-.0347	-.4137	-2.790	-.6733	-22.11

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.002	-.0230	-34.80	-.0176	.2433	.1959
Stddev	1.068	.0621	3.93	.2920	.8660	.3976
%RSD	106.5	270.2	11.28	1663.	356.0	202.9

#1	-.0083	-.0937	-30.51	-.2372	-.5973	-.1253
#2	-2.131	.0024	-38.22	.3138	.1945	.0724
#3	-.8679	.0224	-35.67	-.1293	1.133	.6407

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

Sample Name: MB 460-360769/1-A Acquired: 4/5/2016 16:22:31 Type: QC
Method: sw03182016(v22) 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	-5.001	.9288	-.0337	.6108	-3.445	-.0006
Stddev	.590	1.778	.1844	.0278	.508	.0663
%RSD	11.79	191.5	546.8	4.553	14.74	11090.
#1	-4.538	-1.033	-.1764	.6161	-3.612	.0730
#2	-5.665	2.436	.1745	.5807	-2.875	-.0191
#3	-4.800	1.384	-.0993	.6355	-3.848	-.0557

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1487	-.0557	-.0312	10.04
Stddev	.3510	.0732	.1481	7.36
%RSD	236.2	131.5	474.4	73.27
#1	.0032	.0073	.0069	6.827
#2	.1009	-.1360	.0941	18.45
#3	-.5501	-.0383	-.1946	4.833

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	3075.1	37138.	5463.4
Stddev	13.6	208.	32.2
%RSD	.44299	.56027	.58990
#1	3090.0	37341.	5428.4
#2	3072.2	37147.	5491.8
#3	3063.3	36925.	5470.0

Sample Name: 460-110133-A-12-E DU Acquired: 4/5/2016 16:30:30 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2440.	5.775	.1090	37.81	.0182	47090.
Stddev	23.	1.812	.0983	.21	.1237	172.
%RSD	.9344	31.37	90.24	.5613	679.5	.3660
#1	2448.	3.722	-.0012	37.72	-.1236	47200.
#2	2458.	6.458	.1405	37.66	.1035	46890.
#3	2415.	7.146	.1877	38.05	.0747	47180.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0296	-.0377	5.537	9.265	138.5	3808.
Stddev	.0636	.1126	.084	.112	5.2	13.
%RSD	214.9	298.4	1.508	1.211	3.762	.3296
#1	.0429	-.0683	5.575	9.377	142.1	3812.
#2	-.0761	-.1318	5.442	9.152	132.5	3818.
#3	-.0555	.0870	5.596	9.267	140.8	3794.

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	242.7	3.495	15750.	2.036	7.672	1.835
Stddev	1.4	.056	135.	.377	.458	.596
%RSD	.5684	1.612	.8571	18.53	5.971	32.45
#1	244.3	3.559	15840.	1.687	7.146	1.948
#2	241.6	3.452	15810.	2.436	7.981	2.367
#3	242.3	3.475	15590.	1.985	7.889	1.192

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

Sample Name: 460-110133-A-12-E DU Acquired: 4/5/2016 16:30:30 Type: Unk
Method: sw03182016(v22) 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	-2.841	.6638	40.70	3.160	51.02	3.158
Stddev	.418	1.902	.27	.018	.41	.171
%RSD	14.71	286.5	.6752	.5800	.7987	5.417

#1	-2.498	1.620	40.98	3.181	51.39	3.037
#2	-2.718	-1.526	40.69	3.150	51.09	3.354
#3	-3.306	1.898	40.43	3.149	50.59	3.084

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-2.841	353.0	7.953	6580.
Stddev	.3577	3.5	.408	43.
%RSD	125.9	.9939	5.127	.6601

#1	-.5753	355.8	7.744	6549.
#2	.1152	354.2	8.423	6630.
#3	-.3921	349.1	7.693	6561.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3040.2	36171.	5689.8
Stddev	5.2	109.	27.5
%RSD	.17208	.30023	.48383

#1	3045.8	36126.	5662.6
#2	3039.4	36294.	5689.0
#3	3035.4	36091.	5717.7

Sample Name: CCV Acquired: 4/5/2016 16:38:43 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	116300.	2443.	1160.	9853.	957.9	121100.
Stddev	345.	7.	1.	5.	2.6	182.
%RSD	.2968	.3043	.0438	.0519	.2745	.1499

#1	116600.	2451.	1160.	9856.	955.6	121200.
#2	115900.	2440.	1160.	9857.	957.3	121300.
#3	116400.	2437.	1161.	9847.	960.7	120900.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1228.	2430.	4953.	12010.	95860.	47290.
Stddev	1.	3.	18.	25.	367.	71.
%RSD	.1071	.1239	.3629	.2043	.3833	.1510

#1	1227.	2427.	4953.	12000.	95560.	47370.
#2	1228.	2431.	4971.	12040.	96270.	47280.
#3	1230.	2433.	4935.	12000.	95750.	47220.

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	122500.	4866.	115700.	2476.	7459.	956.2
Stddev	325.	9.	381.	1.	9.	2.7
%RSD	.2652	.1887	.3294	.0455	.1273	.2808

#1	122800.	4873.	115800.	2476.	7470.	953.3
#2	122600.	4870.	115300.	2477.	7456.	957.0
#3	122100.	4856.	116000.	2475.	7451.	958.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/5/2016 16:38:43 Type: QC
Method: sw03182016(v22) 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	2472.	2442.	2413.	2428.	985.4	2444.
Stddev	8.	10.	9.	9.	2.7	3.
%RSD	.3427	.4269	.3740	.3632	.2768	.1130

#1	2476.	2435.	2408.	2421.	984.4	2443.
#2	2478.	2454.	2423.	2425.	988.5	2447.
#3	2462.	2437.	2408.	2438.	983.3	2442.

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	986.2	4838.	9610.	9301.
Stddev	1.7	15.	46.	121.
%RSD	.1674	.3158	.4833	1.297

#1	986.8	4855.	9601.	9170.
#2	987.4	4826.	9569.	9408.
#3	984.3	4831.	9660.	9324.

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	2869.4	33927.	5513.3
Stddev	3.9	39.	51.9
%RSD	.13491	.11352	.94123

#1	2872.5	33898.	5487.2
#2	2870.6	33913.	5573.1
#3	2865.0	33971.	5479.7

Sample Name: CCB Acquired: 4/5/2016 16:42:36 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.081	2.136	.2393	.2053	.0008	6.467
Stddev	4.535	.659	.4196	.0774	.0176	19.76
%RSD	111.1	30.87	175.4	37.69	2172.	305.6
#1	-.1204	2.640	.6982	.2943	.0133	29.29
#2	3.476	2.378	.1443	.1539	.0084	-5.079
#3	8.889	1.390	-.1247	.1678	-.0193	-4.810

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0008	.1728	.5991	1.492	7.283	-2.339
Stddev	.1166	.0839	.9679	1.982	16.06	14.52
%RSD	14380.	48.53	161.6	132.8	220.5	620.6
#1	-.1239	.1224	1.712	3.755	25.62	14.41
#2	.0136	.1264	.1305	.0642	.4883	-11.21
#3	.1079	.2696	-.0454	.6571	-4.262	-10.22

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	18.18	.6711	-18.56	-.4030	.3976	.8901
Stddev	19.25	.9413	2.79	.4713	.3047	.7039
%RSD	105.9	140.3	15.05	116.9	76.64	79.08
#1	40.08	1.757	-21.71	-.5145	.7493	.6398
#2	10.52	.1719	-16.37	.1141	.2330	1.685
#3	3.937	.0845	-17.60	-.8086	.2106	.3455

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

Sample Name: CCB Acquired: 4/5/2016 16:42:36 Type: QC
Method: sw03182016(v22) 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	-2.565	.1557	.2405	.1809	-2.058	1.100
Stddev	2.021	.1359	.4851	.1529	.311	.525
%RSD	78.79	87.29	201.7	84.55	15.13	47.77
#1	-5061	-0006	.7976	.0576	-1.823	1.679
#2	-4.545	.2212	-.0881	.3521	-1.940	.9647
#3	-2.643	.2463	.0120	.1330	-2.411	.6551

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-8518	.1528	1.299	-6.462
Stddev	.3047	.1002	1.761	8.064
%RSD	35.77	65.56	135.6	124.8
#1	-1.157	.2013	3.326	-15.46
#2	-.8512	.0376	.4213	-4.038
#3	-.5474	.2196	.1491	.1132

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	3125.8	36663.	5596.8
Stddev	12.9	181.	40.7
%RSD	.41321	.49331	.72690
#1	3114.7	36865.	5604.6
#2	3122.8	36608.	5552.8
#3	3140.0	36515.	5633.1

Sample Name: CCVL Acquired: 4/5/2016 16:46:46 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	212.5	15.86	9.407	207.9	1.987	4945.
Stddev	8.9	2.27	.104	.5	.098	47.
%RSD	4.172	14.33	1.110	.2397	4.912	.9415

#1	202.8	16.78	9.363	207.4	1.929	4989.
#2	220.1	13.27	9.332	207.9	1.933	4951.
#3	214.7	17.52	9.526	208.4	2.100	4896.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.066	52.43	10.26	24.78	162.6	4719.
Stddev	.102	.16	.20	1.10	2.9	33.
%RSD	2.514	.3017	1.943	4.429	1.808	.6961

#1	4.052	52.26	10.05	25.70	165.8	4691.
#2	3.972	52.58	10.44	25.07	160.0	4755.
#3	4.175	52.44	10.29	23.56	162.0	4710.

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	4945.	15.84	4710.	43.11	12.17	18.86
Stddev	32.	.21	15.	.13	1.52	1.04
%RSD	.6544	1.320	.3215	.3065	12.49	5.540

#1	4982.	16.04	4695.	43.10	13.51	19.48
#2	4932.	15.86	4725.	43.24	12.46	19.45
#3	4921.	15.62	4710.	42.98	10.52	17.66

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/5/2016 16:46:46 Type: QC
Method: sw03182016(v22) 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	17.45	22.75	49.85	31.00	46.81	19.94
Stddev	.50	2.04	.44	.15	.61	.14
%RSD	2.862	8.958	.8854	.4698	1.314	.7090
#1	17.83	23.03	49.54	31.03	46.42	19.81
#2	17.64	20.58	49.65	31.13	46.48	19.91
#3	16.89	24.63	50.35	30.85	47.52	20.09

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	50.08	20.20	20.43	F 17.85
Stddev	.99	.12	.17	16.18
%RSD	1.968	.5744	.8280	90.67
#1	50.07	20.20	20.24	12.50
#2	49.11	20.31	20.49	36.03
#3	51.08	20.08	20.57	5.020

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3111.1	36583.	5626.9
Stddev	4.8	232.	69.0
%RSD	.15381	.63303	1.2256
#1	3108.0	36327.	5693.6
#2	3116.6	36642.	5555.8
#3	3108.6	36779.	5631.4

Sample Name: sd 460-110133-A-12-D Acquired: 4/5/2016 16:52:23 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	481.4	3.133	.0804	7.246	.1455	9011.
Stddev	6.3	1.347	.0422	.064	.0882	25.
%RSD	1.305	42.99	52.45	.8780	60.58	.2813
#1	480.0	3.813	.0819	7.268	.0935	8984.
#2	488.3	4.004	.0375	7.296	.2473	9035.
#3	476.0	1.581	.1219	7.174	.0958	9015.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0663	-.0666	1.149	.4415	23.87	731.0
Stddev	.0445	.2486	.486	.1690	7.72	18.3
%RSD	67.21	373.2	42.30	38.29	32.34	2.507
#1	-.0419	.2205	.8640	.3110	18.38	712.5
#2	-.1177	-.2078	1.711	.3810	32.70	731.3
#3	-.0392	-.2126	.8735	.6324	20.54	749.1

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	48.51	.7101	2996.	.4984	2.678	.1135
Stddev	1.57	.0142	27.	.3696	.347	1.412
%RSD	3.234	2.003	.8879	74.16	12.96	1244.
#1	50.32	.7177	3019.	.2358	2.320	-1.196
#2	47.64	.6937	3002.	.3385	2.702	-.0728
#3	47.57	.7190	2967.	.9211	3.013	1.609

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

Sample Name: sd 460-110133-A-12-D Acquired: 4/5/2016 16:52:23 Type: Unk
Method: sw03182016(v22) 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	-2.231	.5917	7.624	.8430	7.381	.5521
Stddev	1.968	1.585	.363	.1256	.158	.1014
%RSD	88.20	267.8	4.758	14.90	2.139	18.37
#1	-1.439	-1.192	7.865	.9374	7.563	.4369
#2	-4.472	1.837	7.207	.8911	7.278	.6279
#3	-.7830	1.130	7.800	.7004	7.302	.5916

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2284	69.01	1.755	1232.
Stddev	.9306	.28	.054	19.
%RSD	407.5	.4055	3.085	1.523
#1	-.0317	68.96	1.759	1214.
#2	.5882	69.32	1.808	1251.
#3	-1.242	68.77	1.699	1230.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3070.3	36651.	5569.4
Stddev	7.2	148.	45.0
%RSD	.23344	.40265	.80752
#1	3071.6	36752.	5538.7
#2	3062.6	36481.	5548.5
#3	3076.8	36719.	5621.0

Sample Name: pds 460-110133-A-12- Acquired: 4/5/2016 17:00:19 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4433.	2011.	48.36	2136.	52.27	66380.
Stddev	8.	16.	.64	10.	.11	320.
%RSD	.1881	.8198	1.313	.4836	.2063	.4819
#1	4427.	1992.	48.86	2124.	52.36	66260.
#2	4430.	2022.	47.65	2140.	52.15	66130.
#3	4443.	2020.	48.59	2144.	52.30	66740.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.59	526.6	221.3	259.9	1183.	22350.
Stddev	.37	2.3	.7	1.0	5.	76.
%RSD	.7117	.4338	.3180	.3861	.4187	.3416
#1	52.15	524.1	221.2	260.7	1177.	22300.
#2	52.79	527.3	222.1	260.1	1184.	22300.
#3	52.81	528.5	220.7	258.8	1187.	22430.

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	20090.	521.2	35250.	544.9	549.6	496.8
Stddev	91.	2.9	65.	2.8	2.4	3.2
%RSD	.4532	.5492	.1857	.5163	.4433	.6486
#1	20020.	520.1	35230.	541.7	547.3	493.8
#2	20070.	519.1	35200.	546.9	549.4	496.4
#3	20190.	524.5	35330.	546.2	552.1	500.2

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

Sample Name: pds 460-110133-A-12- Acquired: 4/5/2016 17:00:19 Type: Unk
Method: sw03182016(v22) 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	2076.	2205.	565.5	533.6	582.7	527.7
Stddev	15.	27.	2.3	2.2	2.1	3.0
%RSD	.7211	1.230	.4152	.4058	.3627	.5634
#1	2059.	2174.	563.6	531.1	580.5	524.2
#2	2088.	2223.	564.9	534.9	582.9	529.0
#3	2080.	2218.	568.2	534.7	584.7	529.7

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	539.5	858.5	528.5	6540.
Stddev	2.6	4.9	1.4	69.
%RSD	.4753	.5703	.2643	1.062
#1	537.2	856.0	529.6	6462.
#2	542.3	855.3	526.9	6594.
#3	539.0	864.1	529.1	6565.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2989.9	35463.	5492.8
Stddev	7.1	17.	37.4
%RSD	.23639	.04657	.68174
#1	2992.6	35456.	5453.1
#2	2981.9	35452.	5497.9
#3	2995.3	35482.	5527.5

Sample Name: 460-110133-A-12-F MS Acquired: 4/5/2016 16:56:31 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4327.	1853.	44.49	1980.	48.08	65430.
Stddev	22.	11.	.42	8.	.18	199.
%RSD	.4992	.5840	.9437	.4086	.3796	.3035

#1	4306.	1864.	44.41	1988.	48.28	65350.
#2	4325.	1842.	44.94	1972.	48.03	65660.
#3	4349.	1852.	44.11	1979.	47.92	65280.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.54	486.2	205.6	241.3	1110.	20920.
Stddev	.23	1.4	1.3	1.5	10.	70.
%RSD	.4687	.2956	.6100	.6250	.8560	.3325

#1	48.72	487.4	206.2	241.7	1111.	20900.
#2	48.28	484.6	206.6	242.5	1119.	20990.
#3	48.61	486.7	204.2	239.6	1100.	20860.

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	18600.	483.4	34000.	504.1	508.0	462.5
Stddev	47.	1.9	51.	2.3	3.3	3.0
%RSD	.2522	.3869	.1506	.4594	.6575	.6541

#1	18660.	483.4	33940.	506.8	511.2	466.0
#2	18580.	485.2	34020.	503.2	504.5	461.0
#3	18570.	481.5	34040.	502.4	508.2	460.5

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

Sample Name: 460-110133-A-12-F MS Acquired: 4/5/2016 16:56:31 Type: Unk
Method: sw03182016(v22) 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	1905.	2035.	525.0	492.0	539.7	488.1
Stddev	13.	29.	3.0	.8	1.7	2.7
%RSD	.6733	1.448	.5807	.1636	.3164	.5455
#1	1919.	2067.	524.5	492.6	541.2	491.1
#2	1900.	2009.	528.3	491.1	537.8	486.2
#3	1895.	2028.	522.3	492.3	540.1	486.9

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	496.6	823.9	489.6	6666.
Stddev	1.8	2.0	1.0	89.
%RSD	.3716	.2480	.1958	1.337
#1	498.6	824.2	488.5	6639.
#2	495.0	825.7	490.3	6594.
#3	496.2	821.7	489.9	6765.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2962.0	35148.	5485.4
Stddev	6.8	180.	25.0
%RSD	.22822	.51068	.45490
#1	2956.5	35330.	5510.2
#2	2969.6	34971.	5485.5
#3	2960.0	35144.	5460.3

Sample Name: 460-110030-A-12-D Acquired: 4/5/2016 17:04:08 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2435.	6.046	.2388	32.69	.0737	21390.
Stddev	7.	1.676	.3411	.27	.0289	152.
%RSD	.2703	27.71	142.8	.8380	39.19	.7122

#1	2428.	4.116	.3543	32.74	.0676	21290.
#2	2441.	7.127	.5073	32.40	.0484	21570.
#3	2434.	6.895	-.1451	32.94	.1052	21320.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0889	1.152	5.579	11.99	2222.	997.2
Stddev	.0821	.105	.252	.65	24.	8.0
%RSD	92.35	9.079	4.516	5.406	1.091	.7990

#1	.0456	1.231	5.640	11.75	2217.	988.6
#2	.0375	1.192	5.795	12.72	2249.	998.6
#3	.1836	1.033	5.302	11.49	2202.	1004.

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	1277.	49.79	15840.	3.439	26.49	2.441
Stddev	14.	.46	31.	.289	.59	1.074
%RSD	1.118	.9232	.1940	8.407	2.240	44.01

#1	1270.	49.60	15840.	3.644	26.95	2.731
#2	1293.	50.31	15860.	3.108	26.70	1.251
#3	1267.	49.45	15800.	3.565	25.82	3.340

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

Sample Name: 460-110030-A-12-D Acquired: 4/5/2016 17:04:08 Type: Unk
Method: sw03182016(v22) 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	-2.944	.8978	14.17	33.33	90.84	2.260
Stddev	.636	1.804	.42	.17	.48	.158
%RSD	21.59	201.0	2.961	.5136	.5321	6.995
#1	-3.613	2.282	14.64	33.32	90.31	2.422
#2	-2.871	-1.143	14.03	33.17	90.93	2.251
#3	-2.348	1.553	13.84	33.51	91.27	2.106

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6792	93.41	83.50	5305.
Stddev	.2464	.45	2.19	16.
%RSD	36.28	.4764	2.620	.3100
#1	.9332	93.06	82.51	5294.
#2	.6629	93.25	81.99	5324.
#3	.4413	93.91	86.01	5298.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3068.6	36094.	5654.7
Stddev	8.9	226.	36.5
%RSD	.28845	.62487	.64491
#1	3077.9	36320.	5680.3
#2	3067.5	35869.	5670.8
#3	3060.3	36092.	5612.9

Sample Name: 460-110133-A-14-E Acquired: 4/5/2016 17:08:14 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2902.	7.090	.3427	50.18	.0175	25960.
Stddev	31.	.506	.2937	.07	.1090	59.
%RSD	1.056	7.136	85.71	.1450	621.4	.2257

#1	2867.	6.519	.6142	50.26	.0082	26030.
#2	2922.	7.272	.3829	50.14	.1309	25920.
#3	2919.	7.480	.0309	50.13	-.0865	25930.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0004	1.004	4.669	9.482	1642.	1382.
Stddev	.0999	.127	.160	.254	14.	17.
%RSD	22960.	12.62	3.415	2.678	.8246	1.199

#1	-.0732	.9361	4.511	9.749	1658.	1372.
#2	-.0415	1.150	4.830	9.245	1635.	1373.
#3	.1134	.9256	4.667	9.451	1633.	1401.

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	753.1	37.99	12200.	3.340	24.30	1.907
Stddev	5.6	.35	38.	.317	1.50	2.129
%RSD	.7397	.9115	.3123	9.504	6.166	111.6

#1	757.9	38.28	12170.	3.681	22.60	2.249
#2	747.0	37.61	12180.	3.287	24.89	-.3722
#3	754.3	38.09	12240.	3.053	25.41	3.844

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

Sample Name: 460-110133-A-14-E Acquired: 4/5/2016 17:08:14 Type: Unk
Method: sw03182016(v22) 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	-1.455	1.454	24.73	30.51	53.71	2.149
Stddev	1.020	.331	.10	.03	.51	.264
%RSD	70.08	22.74	.4170	.1097	.9477	12.28
#1	-.3814	1.514	24.85	30.54	54.30	2.237
#2	-2.411	1.098	24.66	30.52	53.48	1.853
#3	-1.574	1.751	24.69	30.47	53.37	2.358

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8372	134.3	57.13	5249.
Stddev	.4592	.2	1.80	27.
%RSD	54.84	.1815	3.160	.5121
#1	.3230	134.2	55.45	5222.
#2	1.206	134.1	59.04	5276.
#3	.9826	134.6	56.89	5249.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3076.5	36327.	5618.6
Stddev	15.5	220.	51.1
%RSD	.50229	.60424	.90980
#1	3060.1	36080.	5584.3
#2	3078.4	36399.	5594.0
#3	3090.8	36501.	5677.3

Sample Name: 460-111308-A-2-B@5 Acquired: 4/5/2016 17:28:46 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	470.0	3.763	-.2900	76.29	-.0056	F 265800.
Stddev	31.0	.934	.0856	.13	.0618	475.
%RSD	6.597	24.80	29.53	.1738	1102.	.1789
#1	445.0	2.759	-.3781	76.43	.0495	265700.
#2	460.4	4.604	-.2848	76.25	.0061	266300.
#3	504.7	3.927	-.2070	76.18	-.0724	265300.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.891	1.174	-2.078	6.095	111.7	4205.
Stddev	.071	.192	.237	.713	2.4	11.
%RSD	.8042	16.35	11.42	11.69	2.148	.2632
#1	8.972	1.006	-2.318	6.614	110.0	4201.
#2	8.838	1.383	-2.072	5.283	110.7	4196.
#3	8.864	1.132	-1.843	6.390	114.5	4217.

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	8386.	3.488	F 285600.	14.23	1557.	3.289
Stddev	17.	.056	2829.	.49	4.	.109
%RSD	.2057	1.601	.9906	3.455	.2821	3.299
#1	8402.	3.542	282300.	13.83	1561.	3.164
#2	8368.	3.430	287400.	14.78	1552.	3.360
#3	8388.	3.492	287100.	14.08	1556.	3.344

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111308-A-2-B@5 Acquired: 4/5/2016 17:28:46 Type: Unk
Method: sw03182016(v22) 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	- .9411	.3740	.1769	2.264	189.4	.3136
Stddev	4.178	1.437	.0571	.118	.8	.2352
%RSD	443.9	384.4	32.28	5.220	.4467	75.00
#1	-5.707	1.021	.2428	2.129	190.1	.4656
#2	2.087	1.374	.1416	2.344	188.5	.0427
#3	.7965	-1.273	.1464	2.320	189.5	.4326

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.659	513.7	4.606	1822.
Stddev	.946	1.9	.158	19.
%RSD	35.57	.3633	3.429	1.027
#1	2.321	512.0	4.550	1818.
#2	3.727	513.3	4.484	1805.
#3	1.928	515.7	4.784	1842.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2932.7	33833.	5684.1
Stddev	5.5	104.	30.5
%RSD	.18665	.30839	.53598
#1	2936.8	33740.	5708.9
#2	2934.7	33812.	5693.2
#3	2926.5	33946.	5650.1

Sample Name: CCV Acquired: 4/5/2016 17:33:00 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	119600.	2385.	1185.	9632.	959.2	120900.
Stddev	27.	9.	5.	9.	3.7	586.
%RSD	.0227	.3578	.4336	.0934	.3905	.4851

#1	119600.	2388.	1191.	9636.	961.3	121500.
#2	119500.	2391.	1184.	9622.	961.5	120300.
#3	119600.	2375.	1181.	9638.	954.9	120800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1205.	2408.	4795.	11800.	97830.	47710.
Stddev	2.	7.	18.	19.	363.	43.
%RSD	.1868	.2739	.3806	.1615	.3706	.0904

#1	1208.	2415.	4806.	11820.	98200.	47700.
#2	1203.	2404.	4774.	11780.	97800.	47670.
#3	1204.	2404.	4805.	11790.	97470.	47760.

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	120100.	4905.	120500.	2403.	7209.	947.0
Stddev	683.	25.	124.	3.	5.	2.0
%RSD	.5690	.5027	.1030	.1234	.0665	.2145

#1	120700.	4932.	120600.	2406.	7212.	949.0
#2	119400.	4884.	120400.	2401.	7211.	944.9
#3	120100.	4897.	120500.	2401.	7204.	947.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/5/2016 17:33:00 Type: QC
Method: sw03182016(v22) 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	2390.	2449.	2384.	2433.	951.5	2395.
Stddev	4.	16.	4.	14.	1.5	2.
%RSD	.1552	.6541	.1778	.5827	.1604	.0710

#1	2390.	2448.	2389.	2449.	950.6	2393.
#2	2393.	2465.	2382.	2428.	950.7	2396.
#3	2386.	2433.	2381.	2422.	953.3	2396.

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	965.1	4902.	9769.	9099.
Stddev	3.2	11.	41.	42.
%RSD	.3366	.2228	.4235	.4656

#1	968.3	4914.	9817.	9142.
#2	965.1	4894.	9742.	9098.
#3	961.8	4896.	9749.	9057.

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	2892.5	33648.	5444.3
Stddev	7.3	148.	14.1
%RSD	.25368	.44029	.25875

#1	2884.0	33478.	5458.9
#2	2897.0	33717.	5443.1
#3	2896.4	33749.	5430.8

Sample Name: LB 460-360405/1-C Acquired: 4/5/2016 17:12:19 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.005	.0314	-.0032	.0144	.0108	2.827
Stddev	6.790	.8730	.1291	.0460	.0430	5.190
%RSD	84.83	2783.	4073.	319.3	397.7	183.6

#1	15.36	.0718	-.1436	-.0385	.0362	-.2524
#2	1.976	.8834	.0237	.0367	.0351	-.0855
#3	6.678	-.8612	.1104	.0451	-.0388	8.819

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0018	.1576	.1833	1.049	-2.585	217.0
Stddev	.0546	.0289	.1619	.924	5.392	4.1
%RSD	3052.	18.35	88.31	88.02	208.6	1.873

#1	-.0624	.1861	.3612	.2045	-7.941	221.6
#2	.0435	.1582	.1441	.9079	2.843	215.1
#3	.0135	.1283	.0447	2.035	-2.656	214.2

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	1.446	.0424	9.194	-.1333	-.0491	.2219
Stddev	5.080	.0159	2.216	.2313	.7176	.2645
%RSD	351.4	37.43	24.10	173.4	1462.	119.2

#1	-1.649	.0483	9.240	-.2792	.2496	.0539
#2	-1.322	.0244	6.956	.1333	-.8678	.0851
#3	7.309	.0544	11.39	-.2542	.4710	.5268

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

Sample Name: LB 460-360405/1-C Acquired: 4/5/2016 17:12:19 Type: Unk
Method: sw03182016(v22) 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	-3.311	.3290	-.0866	1.568	1.365	.1991
Stddev	4.811	.4090	.3779	.244	.304	.0627
%RSD	145.3	124.3	436.3	15.54	22.31	31.48
#1	.8309	.8010	-.5045	1.619	1.650	.2616
#2	-2.177	.1070	.0136	1.303	1.044	.1363
#3	-8.588	.0790	.2311	1.783	1.402	.1994

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.032	.0033	.0743	47.43
Stddev	.343	.0791	.0102	3.37
%RSD	33.24	2412.	13.71	7.099
#1	-1.275	-.0766	.0745	43.70
#2	-.6396	.0049	.0640	48.37
#3	-1.180	.0816	.0844	50.23

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3182.7	37469.	5819.0
Stddev	9.6	232.	25.4
%RSD	.30166	.61867	.43626
#1	3172.0	37721.	5808.0
#2	3185.4	37423.	5801.1
#3	3190.6	37265.	5848.1

Sample Name: sd 460-111308-A-2-B Acquired: 4/5/2016 17:45:12 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	113.1	1.383	-.1304	14.91	-.0495	50090.
Stddev	9.1	.936	.0840	.07	.0656	271.
%RSD	8.044	67.69	64.41	.4710	132.5	.5416

#1	123.4	.5561	-.1694	14.93	.0030	49920.
#2	106.2	1.193	-.0340	14.98	-.0285	50410.
#3	109.7	2.399	-.1879	14.84	-.1231	49950.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.644	.1330	-.9725	.2574	25.71	788.8
Stddev	.039	.3042	.4101	.3690	9.80	27.9
%RSD	2.386	228.7	42.16	143.3	38.15	3.540

#1	1.678	.3204	-1.395	.5712	24.88	805.1
#2	1.653	-.2180	-.5766	.3501	16.34	804.7
#3	1.601	.2966	-.9456	-.1491	35.90	756.5

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	1629.	.6684	56050.	3.335	313.0	.9183
Stddev	13.	.0618	219.	.359	2.2	.3417
%RSD	.7818	9.253	.3899	10.77	.7164	37.21

#1	1620.	.6740	56280.	2.965	311.5	1.259
#2	1643.	.7272	56030.	3.682	315.6	.5761
#3	1624.	.6039	55840.	3.359	311.9	.9194

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

Sample Name: sd 460-111308-A-2-B Acquired: 4/5/2016 17:45:12 Type: Unk
Method: sw03182016(v22) 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	-2.656	.5228	-.1924	.6589	34.26	.0272
Stddev	1.531	.4300	.1525	.0936	.26	.2443
%RSD	57.64	82.25	79.26	14.20	.7503	896.8
#1	-2.967	1.012	-.1027	.5526	34.55	.2011
#2	-.9939	.3498	-.1061	.6953	34.17	.1327
#3	-4.009	.2063	-.3685	.7288	34.05	-.2520

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4637	100.4	2.341	342.4
Stddev	.2871	.2	.381	14.8
%RSD	61.91	.1530	16.26	4.335
#1	-.1686	100.4	2.725	344.7
#2	-.7421	100.2	2.334	355.9
#3	-.4803	100.5	1.964	326.5

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	2981.8	35016.	5341.0
Stddev	8.9	262.	86.2
%RSD	.29909	.74717	1.6134
#1	2988.7	35116.	5437.4
#2	2971.7	34719.	5271.6
#3	2985.1	35213.	5313.8

Sample Name: MB 460-360778/1-A Acquired: 4/5/2016 17:16:30 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.630	1.516	.0746	-.1125	.0013	-4.616
Stddev	9.607	1.257	.5308	.0696	.0534	6.611
%RSD	170.6	82.91	711.9	61.85	4106.	143.2
#1	-5.427	2.570	-.4875	-.1790	.0066	-12.13
#2	10.38	.1247	.5672	-.1181	-.0545	.3178
#3	11.94	1.854	.1440	-.0403	.0519	-2.038

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0493	.1931	-.2289	1.554	-6.895	-14.20
Stddev	.0226	.0998	.0987	.620	5.003	28.61
%RSD	45.80	51.69	43.13	39.88	72.56	201.5
#1	-.0642	.0799	-.3415	2.267	-2.198	14.39
#2	-.0605	.2684	-.1880	1.141	-12.16	-14.17
#3	-.0233	.2311	-.1571	1.255	-6.329	-42.82

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.584	.0250	-31.23	-.1965	.7174	.3707
Stddev	1.888	.0500	5.28	.3979	1.078	1.331
%RSD	119.2	200.2	16.90	202.5	150.3	359.1
#1	.5682	.0513	-31.62	-.6555	.7742	-.6284
#2	.4213	.0562	-25.77	.0141	-.3878	-.1416
#3	3.762	-.0327	-36.30	.0519	1.766	1.882

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

Sample Name: MB 460-360778/1-A Acquired: 4/5/2016 17:16:30 Type: QC

Method: sw03182016(v22) 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	-0.5530	-0.0051	-0.2871	.5695	-3.140	.1894
Stddev	2.750	1.062	.1567	.1979	.183	.0464
%RSD	497.3	20970.	54.58	34.76	5.815	24.51

#1	2.311	-1.224	-.4659	.7865	-3.228	.2096
#2	-3.173	.7153	-.2216	.3989	-2.930	.2223
#3	-.7966	.4938	-.1738	.5229	-3.262	.1363

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-0.5651	-0.0594	-0.1004	1.444
Stddev	.7142	.1132	.1193	7.778
%RSD	126.4	190.6	118.9	538.5

#1	-.7001	-.1278	-.2166	8.839
#2	-1.202	-.1217	-.1064	-6.667
#3	.2070	.0713	.0218	2.160

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	3164.5	36665.	5678.2
Stddev	4.8	306.	50.3
%RSD	.15115	.83486	.88632

#1	3169.9	36353.	5657.1
#2	3162.7	36964.	5641.8
#3	3160.9	36677.	5735.6

Sample Name: 460-111308-A-1-B@5 Acquired: 4/5/2016 17:57:23 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	355.3	2.594	-.0860	30.32	-.0245	215200.
Stddev	18.6	.229	.5173	.07	.1242	235.
%RSD	5.223	8.832	601.3	.2356	507.3	.1094
#1	351.9	2.464	.4842	30.38	-.1060	215300.
#2	338.7	2.858	-.5252	30.24	.1184	215400.
#3	375.4	2.458	-.2171	30.32	-.0858	214900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5732	.0734	52.42	6.344	27.88	2354.
Stddev	.1506	.0953	.83	.028	4.76	13.
%RSD	26.27	129.8	1.589	.4362	17.06	.5388
#1	.7449	.0442	52.17	6.349	25.00	2342.
#2	.4636	-.0039	53.35	6.368	33.37	2367.
#3	.5112	.1799	51.74	6.314	25.26	2354.

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	619.5	.8065	F 266600.	1.369	22.62	2.620
Stddev	1.4	.0231	2808.	.243	.91	.776
%RSD	.2196	2.861	1.053	17.75	4.037	29.61
#1	618.0	.8250	263400.	1.464	23.53	3.071
#2	619.8	.8137	268600.	1.093	22.63	1.724
#3	620.6	.7806	267700.	1.551	21.70	3.064

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111308-A-1-B@5 Acquired: 4/5/2016 17:57:23 Type: Unk
Method: sw03182016(v22) 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	-2.028	.8619	1.722	1.487	168.2	2.353
Stddev	2.474	1.339	.375	.173	1.3	.119
%RSD	122.0	155.3	21.79	11.66	.7867	5.058
#1	-4.507	2.354	2.097	1.411	167.0	2.216
#2	.4398	-.2360	1.346	1.365	168.0	2.431
#3	-2.016	.4682	1.723	1.685	169.6	2.412

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1065	482.7	2.130	2669.
Stddev	.6956	2.6	.278	54.
%RSD	653.2	.5474	13.05	2.011
#1	-.6967	479.9	2.451	2608.
#2	.5072	482.9	1.993	2688.
#3	.5089	485.2	1.948	2710.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2875.9	33368.	5463.7
Stddev	2.0	164.	53.6
%RSD	.06946	.49095	.98017
#1	2877.1	33219.	5412.3
#2	2873.6	33342.	5459.7
#3	2877.1	33543.	5519.2

Sample Name: LCS 460-360778/2-A Acquired: 4/5/2016 17:20:40 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2308.	2239.	221.5	4830.	467.7	9513.
Stddev	14.	7.	.9	4.	.9	61.
%RSD	.6140	.3197	.4007	.0826	.1841	.6386

#1	2296.	2247.	221.8	4826.	466.7	9557.
#2	2323.	2235.	222.1	4834.	468.4	9538.
#3	2303.	2235.	220.4	4829.	468.0	9443.

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	501.3	511.3	2399.	458.4	487.6	9063.
Stddev	.5	.8	9.	1.8	3.2	61.
%RSD	.1011	.1634	.3951	.4003	.6566	.6774

#1	501.1	511.3	2399.	457.1	483.9	9012.
#2	501.9	512.1	2408.	460.5	489.3	9131.
#3	501.0	510.4	2389.	457.6	489.6	9045.

Check ?	Chk Pass	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	9394.	510.1	9138.	518.8	2489.	458.8
Stddev	44.	2.7	26.	.8	4.	.4
%RSD	.4667	.5305	.2883	.1623	.1434	.0911

#1	9385.	512.1	9136.	517.9	2490.	458.4
#2	9442.	511.2	9165.	519.2	2492.	459.3
#3	9355.	507.0	9112.	519.4	2485.	458.8

Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Sample Name: LCS 460-360778/2-A Acquired: 4/5/2016 17:20:40 Type: QC

Method: sw03182016(v22) 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	474.9	521.8	238.6	510.9	472.2	485.7
Stddev	.2	7.3	1.0	1.4	1.0	1.4
%RSD	.0502	1.397	.4343	.2651	.2053	.2943

#1	474.9	514.9	238.1	509.4	471.2	484.1
#2	475.1	529.4	237.9	512.1	472.1	486.5
#3	474.7	521.0	239.8	511.0	473.2	486.7

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	473.1	479.3	479.1	30.70
Stddev	1.5	1.6	.1	15.74
%RSD	.3097	.3336	.0176	51.28

#1	473.6	480.9	479.1	13.21
#2	474.3	479.3	479.2	43.75
#3	471.5	477.7	479.0	35.14

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	3105.1	36283.	5658.3
Stddev	7.1	195.	61.4
%RSD	.22958	.53775	1.0851

#1	3110.4	36099.	5728.6
#2	3097.0	36264.	5614.9
#3	3107.9	36488.	5631.4

Sample Name: LB 460-360404/1-F@5 Acquired: 4/5/2016 18:10:13 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.366	.9626	.1442	-.0463	.0280	15.97
Stddev	16.70	.6964	.3911	.0612	.0546	2.44
%RSD	705.9	72.35	271.2	132.2	195.2	15.28
#1	-16.18	1.681	.5278	-.0379	.0883	16.33
#2	16.22	.2910	-.2540	.0103	-.0181	13.37
#3	7.056	.9153	.1588	-.1113	.0138	18.21

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0632	-.1299	.0565	-.2868	2.066	22.70
Stddev	.0393	.1014	.1279	.4220	3.311	33.19
%RSD	62.22	78.08	226.4	147.2	160.2	146.2
#1	-.0470	-.0465	-.0077	-.5167	.0617	15.89
#2	-.0346	-.1003	.2038	.2003	.2491	-6.563
#3	-.1081	-.2428	-.0266	-.5439	5.888	58.77

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	-.3380	.0465	F 264600.	.7744	.4270	.7629
Stddev	3.325	.0529	1610.	.0821	1.545	.8229
%RSD	983.8	113.8	.6084	10.60	361.9	107.9
#1	3.304	.0782	263700.	.7604	.7537	1.503
#2	-3.211	-.0146	263700.	.7002	1.783	-.1230
#3	-1.107	.0760	266500.	.8626	-1.256	.9082

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: LB 460-360404/1-F@5 Acquired: 4/5/2016 18:10:13 Type: Unk
Method: sw03182016(v22) 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	-2.280	.6054	-.3987	1.053	-1.406	-.1395
Stddev	2.829	1.421	.4424	.114	.477	.0660
%RSD	124.1	234.7	111.0	10.81	33.92	47.29
#1	-.0935	.0496	-.2328	1.032	-1.612	-.0812
#2	-5.476	-.4538	-.0632	.9507	-.8607	-.2110
#3	-1.272	2.220	-.9001	1.175	-1.745	-.1262

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6448	-.1249	.0753	23.81
Stddev	.6350	.0280	.1561	7.66
%RSD	98.49	22.44	207.2	32.17
#1	-.7860	-.1335	.1881	29.09
#2	-1.197	-.1476	.1407	15.03
#3	.0490	-.0936	-.1028	27.32

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	2936.8	33974.	5411.5
Stddev	11.1	173.	45.2
%RSD	.37858	.51052	.83567
#1	2943.2	33932.	5440.4
#2	2943.3	33825.	5359.3
#3	2924.0	34164.	5434.7

Sample Name: 460-111308-A-2-C DU Acquired: 4/5/2016 17:24:31 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	451.5	2.816	.1487	77.59	.0332	F 271700.
Stddev	13.4	1.558	.3126	.54	.0974	2068.
%RSD	2.974	55.31	210.2	.6972	293.6	.7612

#1	436.6	2.378	-.2122	77.77	.0217	273800.
#2	455.4	1.524	.3301	78.01	.1359	271400.
#3	462.6	4.546	.3281	76.98	-.0580	269700.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.996	1.144	-2.238	5.389	107.9	4276.
Stddev	.031	.106	.427	.642	4.3	14.
%RSD	.3449	9.220	19.06	11.92	3.942	.3205

#1	9.027	1.258	-1.983	5.540	108.2	4286.
#2	8.965	1.124	-2.731	4.684	112.1	4260.
#3	8.996	1.050	-2.001	5.942	103.6	4282.

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	8590.	3.526	F 291800.	14.48	1594.	4.253
Stddev	43.	.037	1886.	.39	12.	.513
%RSD	.4997	1.060	.6463	2.715	.7825	12.07

#1	8612.	3.568	291500.	14.76	1604.	4.622
#2	8617.	3.514	293800.	14.65	1598.	3.667
#3	8540.	3.496	290100.	14.03	1580.	4.471

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111308-A-2-C DU Acquired: 4/5/2016 17:24:31 Type: Unk
Method: sw03182016(v22) 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	-3.623	2.124	.2395	2.185	194.1	.4978
Stddev	1.951	2.449	.4869	.199	1.6	.1768
%RSD	53.84	115.3	203.3	9.128	.8169	35.53
#1	-5.604	4.490	-.0046	2.398	194.5	.6226
#2	-3.560	-.4012	.8002	2.153	195.4	.2954
#3	-1.704	2.283	-.0769	2.003	192.3	.5753

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.493	522.3	5.521	1829.
Stddev	.858	.4	.891	16.
%RSD	34.43	.0673	16.13	.8616
#1	1.543	522.6	5.745	1842.
#2	2.724	522.3	6.279	1833.
#3	3.213	521.9	4.541	1812.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2910.9	33507.	5576.5
Stddev	24.9	355.	103.4
%RSD	.85481	1.0591	1.8547
#1	2886.0	33106.	5487.5
#2	2911.0	33633.	5552.2
#3	2935.7	33781.	5690.0

Sample Name: CCB Acquired: 4/5/2016 17:36:54 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.162	1.025	.1128	.2081	-.0516	5.474
Stddev	2.214	.337	.1838	.0501	.0885	2.675
%RSD	102.4	32.90	163.0	24.08	171.4	48.87

#1	.1890	.6610	.2534	.2428	-.1538	5.601
#2	1.740	1.087	-.0952	.1506	.0027	8.083
#3	4.556	1.327	.1801	.2308	-.0039	2.737

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0243	.2260	-.3568	.4250	-.9911	16.61
Stddev	.0810	.1686	.5900	.3517	9.232	10.27
%RSD	333.7	74.60	165.3	82.76	931.5	61.85

#1	.0288	.4046	.3133	.7295	8.986	28.24
#2	.0158	.2040	-.5861	.5053	-9.231	12.81
#3	-.1175	.0695	-.7978	.0401	-2.729	8.777

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	5.876	.1205	-2.278	-.0399	.9988	1.662
Stddev	2.069	.0679	8.679	.1158	1.021	1.363
%RSD	35.21	56.38	381.0	290.1	102.2	81.99

#1	5.298	.1771	5.408	.0327	1.912	2.887
#2	8.172	.1392	-.5505	.0210	-.1035	.1942
#3	4.157	.0452	-11.69	-.1735	1.188	1.905

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

Sample Name: CCB Acquired: 4/5/2016 17:36:54 Type: QC
Method: sw03182016(v22) 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	-.7565	1.204	.0066	.2967	-2.321	.9236
Stddev	.7633	.561	.3142	.1044	.462	.4490
%RSD	100.9	46.57	4728.	35.19	19.91	48.61
#1	-1.338	1.434	.2668	.2525	-1.823	1.416
#2	.1079	1.613	-.3424	.4160	-2.735	.8192
#3	-1.040	.5648	.0955	.2217	-2.406	.5360

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5679	.0862	.5459	-2.045
Stddev	.6455	.0771	.0895	15.02
%RSD	113.7	89.44	16.39	734.7
#1	-.5228	-.0008	.5149	-17.89
#2	.0538	.1460	.4760	-.2500
#3	-1.235	.1133	.6467	12.00

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	3123.9	36727.	5553.2
Stddev	17.4	62.	12.2
%RSD	.55774	.16803	.22053
#1	3140.5	36656.	5554.8
#2	3125.5	36760.	5540.2
#3	3105.7	36766.	5564.6

Sample Name: CCV Acquired: 4/5/2016 18:27:21 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	118400.	2388.	1178.	9700.	956.5	121500.
Stddev	416.	7.	2.	13.	1.3	81.
%RSD	.3511	.2983	.1403	.1357	.1311	.0664

#1	118400.	2380.	1179.	9687.	957.7	121500.
#2	118800.	2389.	1176.	9700.	956.5	121400.
#3	118000.	2394.	1179.	9714.	955.2	121600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1212.	2410.	4858.	11830.	96890.	47660.
Stddev	2.	3.	13.	38.	144.	124.
%RSD	.1918	.1048	.2629	.3178	.1486	.2593

#1	1209.	2407.	4844.	11790.	96960.	47770.
#2	1212.	2410.	4862.	11830.	96980.	47680.
#3	1214.	2412.	4869.	11870.	96720.	47520.

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	121200.	4906.	118900.	2422.	7300.	946.1
Stddev	201.	6.	425.	3.	13.	2.3
%RSD	.1661	.1210	.3575	.1298	.1779	.2476

#1	121000.	4911.	119000.	2418.	7289.	944.0
#2	121100.	4899.	119300.	2422.	7297.	948.6
#3	121400.	4907.	118400.	2425.	7314.	945.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/5/2016 18:27:21 Type: QC
Method: sw03182016(v22) 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	2396.	2428.	2388.	2427.	958.9	2405.
Stddev	9.	8.	4.	5.	2.1	7.
%RSD	.3797	.3409	.1584	.1921	.2218	.2753

#1	2387.	2427.	2384.	2426.	956.5	2398.
#2	2405.	2421.	2392.	2423.	960.0	2410.
#3	2397.	2438.	2387.	2432.	960.3	2408.

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	966.8	4864.	9670.	9126.
Stddev	3.2	11.	88.	123.
%RSD	.3348	.2272	.9083	1.351

#1	965.8	4875.	9569.	9087.
#2	964.3	4863.	9711.	9028.
#3	970.5	4853.	9730.	9265.

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	2877.3	33594.	5402.3
Stddev	.3	86.	60.9
%RSD	.01024	.25613	1.1265

#1	2877.6	33509.	5375.4
#2	2877.0	33591.	5359.5
#3	2877.2	33681.	5472.0

Sample Name: CCVL Acquired: 4/5/2016 17:41:05 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	221.9	13.85	9.782	205.7	2.073	4906.
Stddev	5.4	.88	.429	.9	.025	34.
%RSD	2.444	6.367	4.385	.4456	1.214	.7031
#1	227.6	14.08	9.336	204.7	2.102	4866.
#2	216.8	12.88	9.819	206.2	2.056	4919.
#3	221.3	14.60	10.19	206.4	2.062	4931.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.089	52.23	10.58	24.25	166.9	4723.
Stddev	.111	.21	.14	.45	8.3	35.
%RSD	2.717	.3961	1.311	1.861	4.984	.7383
#1	4.146	52.01	10.69	23.92	160.2	4706.
#2	4.159	52.25	10.42	24.76	176.2	4700.
#3	3.961	52.42	10.62	24.07	164.3	4763.

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	4850.	15.77	4814.	42.28	10.91	18.93
Stddev	28.	.10	16.	.37	1.17	1.02
%RSD	.5707	.6485	.3326	.8721	10.71	5.365
#1	4820.	15.65	4818.	42.09	9.561	19.79
#2	4855.	15.84	4796.	42.04	11.57	19.20
#3	4875.	15.82	4828.	42.70	11.60	17.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/5/2016 17:41:05 Type: QC
Method: sw03182016(v22) 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	16.51	24.74	49.39	31.10	46.03	20.05
Stddev	1.56	.80	.15	.37	.46	.24
%RSD	9.461	3.250	.2953	1.175	1.009	1.184
#1	18.14	25.50	49.27	30.75	45.92	20.11
#2	15.03	23.90	49.34	31.09	45.62	20.25
#3	16.37	24.83	49.55	31.48	46.53	19.78

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	49.83	20.24	20.62	F 5.645
Stddev	.45	.10	.14	8.834
%RSD	.8979	.5030	.7020	156.5
#1	49.91	20.30	20.47	15.78
#2	50.23	20.12	20.76	1.570
#3	49.35	20.30	20.63	-.4171

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3101.0	36428.	5556.1
Stddev	6.2	145.	31.0
%RSD	.20086	.39935	.55781
#1	3107.4	36588.	5522.9
#2	3100.8	36393.	5584.2
#3	3094.9	36304.	5561.4

Sample Name: 460-111308-A-2-D MS Acquired: 4/5/2016 17:49:22 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1459.	993.5	95.44	2055.	197.1	F 262500.
Stddev	22.	1.7	.76	5.	1.4	1093.
%RSD	1.488	.1752	.8003	.2289	.7177	.4165

#1	1454.	991.6	95.47	2052.	195.6	261600.
#2	1483.	993.7	96.19	2054.	197.4	262100.
#3	1441.	995.1	94.66	2061.	198.3	263700.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	214.9	209.6	984.1	203.5	307.7	8105.
Stddev	1.1	1.2	4.0	.5	6.9	53.
%RSD	.5273	.5735	.4079	.2324	2.233	.6598

#1	213.7	208.4	980.7	203.1	307.1	8044.
#2	215.2	209.6	983.1	204.0	314.8	8125.
#3	215.9	210.8	988.5	203.4	301.1	8146.

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	11820.	209.3	F 292200.	224.9	2559.	203.4
Stddev	49.	.4	2441.	1.0	12.	3.0
%RSD	.4185	.1695	.8356	.4232	.4632	1.488

#1	11800.	209.2	290300.	223.9	2547.	200.1
#2	11780.	209.1	291300.	225.1	2560.	204.2
#3	11880.	209.7	294900.	225.8	2570.	206.0

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111308-A-2-D MS Acquired: 4/5/2016 17:49:22 Type: Unk
Method: sw03182016(v22) 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	206.3	201.6	102.0	212.4	391.7	202.2
Stddev	.8	2.0	1.2	1.4	2.0	.2
%RSD	.3846	1.011	1.192	.6378	.5189	.1209
#1	206.1	199.3	101.0	211.0	389.8	202.2
#2	207.1	202.9	101.8	212.3	391.5	202.0
#3	205.5	202.7	103.4	213.7	393.9	202.5

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	196.7	704.8	208.4	1805.
Stddev	1.5	3.1	1.7	19.
%RSD	.7678	.4429	.8041	1.026
#1	195.1	701.6	207.3	1784.
#2	196.9	707.8	210.3	1820.
#3	198.1	705.1	207.6	1810.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2816.2	33154.	5291.4
Stddev	7.7	147.	36.0
%RSD	.27312	.44330	.68011
#1	2825.0	33264.	5325.2
#2	2812.0	33212.	5295.5
#3	2811.4	32987.	5253.6

Sample Name: pds 460-111308-A-2-B Acquired: 4/5/2016 17:53:25 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2331.	1904.	46.95	1953.	47.13	F 287100.
Stddev	4.	9.	.64	8.	.25	1780.
%RSD	.1687	.4720	1.359	.4201	.5204	.6200
#1	2326.	1908.	47.47	1960.	47.39	285700.
#2	2333.	1910.	47.16	1956.	47.09	289100.
#3	2333.	1894.	46.24	1944.	46.91	286600.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	55.72	471.7	193.0	237.6	1068.	21990.
Stddev	.25	1.3	1.7	2.2	6.	68.
%RSD	.4474	.2683	.8630	.9442	.5456	.3079
#1	55.74	473.1	193.4	238.5	1063.	21990.
#2	55.95	471.4	194.4	239.3	1074.	22060.
#3	55.45	470.6	191.1	235.0	1067.	21930.
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	26430.	481.8	F 311700.	493.2	2040.	466.9
Stddev	85.	2.2	1456.	2.2	9.	2.3
%RSD	.3228	.4629	.4671	.4384	.4337	.4953
#1	26360.	479.9	312400.	495.4	2048.	467.2
#2	26530.	484.3	312600.	493.1	2041.	469.0
#3	26410.	481.3	310000.	491.1	2030.	464.4
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: pds 460-111308-A-2-B Acquired: 4/5/2016 17:53:25 Type: Unk
Method: sw03182016(v22) 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	1964.	1881.	481.6	484.1	679.4	471.0
Stddev	5.	3.	3.8	2.6	2.4	1.6
%RSD	.2770	.1752	.7875	.5381	.3580	.3409
#1	1963.	1881.	483.5	486.7	681.2	472.1
#2	1970.	1878.	484.1	484.1	680.3	471.9
#3	1960.	1885.	477.2	481.4	676.6	469.2

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	482.0	991.8	486.0	1901.
Stddev	3.2	5.2	2.6	15.
%RSD	.6681	.5193	.5359	.7972
#1	485.7	996.8	487.6	1918.
#2	479.5	992.2	487.3	1897.
#3	480.9	986.5	483.0	1889.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2816.3	32515.	5287.0
Stddev	10.4	331.	29.6
%RSD	.36877	1.0185	.55994
#1	2804.5	32764.	5282.0
#2	2820.4	32139.	5260.3
#3	2824.1	32641.	5318.8

Sample Name: 460-111308-A-3-B@5 Acquired: 4/5/2016 18:01:41 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	386.3	2.055	-.0329	39.96	-.0088	170900.
Stddev	12.4	.621	.0387	.07	.0377	1629.
%RSD	3.210	30.19	117.8	.1700	428.7	.9534

#1	382.4	1.427	-.0560	39.99	-.0071	169100.
#2	400.2	2.072	-.0544	40.01	.0281	171300.
#3	376.4	2.667	.0118	39.88	-.0473	172300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5447	.2327	24.54	4.705	76.10	2670.
Stddev	.0357	.0386	.71	.498	9.93	16.
%RSD	6.550	16.60	2.878	10.58	13.05	.5891

#1	.5859	.2489	23.82	4.454	83.28	2677.
#2	.5252	.1886	24.56	4.384	64.77	2681.
#3	.5230	.2606	25.23	5.279	80.26	2652.

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	158.1	2.246	F 263900.	1.063	77.83	.2384
Stddev	3.0	.105	2937.	.063	1.33	1.613
%RSD	1.910	4.682	1.113	5.899	1.704	676.8

#1	157.3	2.165	261800.	1.135	76.85	-1.388
#2	161.4	2.207	262500.	1.021	77.30	1.839
#3	155.5	2.364	267200.	1.033	79.34	.2638

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111308-A-3-B@5 Acquired: 4/5/2016 18:01:41 Type: Unk
Method: sw03182016(v22) 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	-2.424	.3145	.1010	1.337	6.879	9.200
Stddev	3.339	1.948	.1899	.070	.435	.198
%RSD	137.7	619.5	188.0	5.258	6.323	2.156
#1	-6.279	-6.330	.2162	1.279	7.356	9.111
#2	-4.747	2.556	-.1182	1.316	6.505	9.062
#3	-5.188	-9.790	.2050	1.415	6.775	9.427

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4994	263.2	4.322	1774.
Stddev	.7125	.7	.780	32.
%RSD	142.7	.2773	18.04	1.820
#1	-.0767	263.8	3.519	1811.
#2	-1.322	262.4	4.373	1762.
#3	-.0995	263.3	5.076	1750.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2929.4	33473.	5459.7
Stddev	21.9	209.	49.3
%RSD	.74599	.62351	.90328
#1	2911.7	33713.	5516.4
#2	2922.8	33331.	5427.6
#3	2953.8	33376.	5434.9

Sample Name: LB 460-360627/1-B@5 Acquired: 4/5/2016 18:56:51 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.714	1.909	-.0125	-.0453	.0034	11.45
Stddev	7.106	2.690	.1688	.1346	.0615	1.10
%RSD	92.12	141.0	1354.	297.3	1787.	9.603

#1	6.209	4.941	.1184	-.1998	.0172	12.24
#2	1.481	-.1939	-.2029	.0469	.0570	11.91
#3	15.45	.9793	.0472	.0170	-.0638	10.19

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0131	.0889	-.2472	.9537	2.402	-10.40
Stddev	.1408	.0897	.7880	.1191	2.116	6.32
%RSD	1076.	100.9	318.8	12.49	88.10	60.82

#1	-.1477	.0966	.6625	.8176	.6313	-4.707
#2	.0725	-.0044	-.7178	1.039	4.746	-9.283
#3	.1145	.1744	-.6863	1.005	1.830	-17.21

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	1.501	-.0077	23.00	.4209	.3252	-.6809
Stddev	2.043	.0137	5.14	.1361	.6651	.6762
%RSD	136.1	177.5	22.37	32.33	204.5	99.30

#1	1.112	-.0097	19.38	.4685	.3865	-.0378
#2	-.3196	.0068	28.88	.2674	-.3685	-1.386
#3	3.711	-.0203	20.72	.5267	.9576	-.6191

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

Sample Name: LB 460-360627/1-B@5 Acquired: 4/5/2016 18:56:51 Type: Unk
Method: sw03182016(v22) 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	-2.501	.5004	-.1795	.2532	-2.598	-.0409
Stddev	1.623	.3357	.2448	.1459	.156	.2406
%RSD	64.88	67.10	136.3	57.63	6.019	588.1
#1	-1.420	.8775	.0458	.1411	-2.676	-.3122
#2	-4.367	.2338	-.1444	.2003	-2.418	.1464
#3	-1.717	.3899	-.4400	.4181	-2.699	.0430

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8331	-.0240	-.0829	15.78
Stddev	.6442	.0354	.0257	9.03
%RSD	77.33	147.4	30.98	57.23
#1	-1.455	-.0140	-.0705	5.354
#2	-.1686	-.0634	-.0658	20.97
#3	-.8758	.0053	-.1125	21.03

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3119.5	36340.	5392.8
Stddev	13.1	207.	39.3
%RSD	.42103	.57039	.72783
#1	3105.7	36274.	5352.8
#2	3121.0	36173.	5394.3
#3	3131.8	36572.	5431.3

Sample Name: 460-111448-A-1-H@5 Acquired: 4/5/2016 18:05:57 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	240.1	6.689	-.0209	144.8	.0413	133400.
Stddev	18.4	.956	.3777	.9	.0825	407.
%RSD	7.665	14.29	1810.	.6408	199.7	.3050

#1	221.6	5.612	-.3906	144.0	.1095	133000.
#2	240.2	7.438	.3644	144.6	-.0504	133900.
#3	258.4	7.018	-.0364	145.8	.0649	133300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0221	2.468	-1.102	1.898	83.72	2062.
Stddev	.0465	.248	.681	.769	12.01	33.
%RSD	210.5	10.05	61.82	40.51	14.35	1.625

#1	.0693	2.302	-.5662	2.702	94.79	2027.
#2	.0208	2.753	-1.868	1.825	70.94	2063.
#3	-.0238	2.349	-.8706	1.169	85.44	2094.

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	4148.	1076.	F 276000.	10.16	12.64	-.3881
Stddev	26.	3.	2421.	.31	.56	1.098
%RSD	.6176	.2783	.8773	3.006	4.390	282.9

#1	4125.	1075.	275700.	9.982	12.33	-.5033
#2	4175.	1079.	278500.	10.51	13.28	-1.424
#3	4144.	1074.	273700.	9.976	12.31	.7628

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111448-A-1-H@5 Acquired: 4/5/2016 18:05:57 Type: Unk
Method: sw03182016(v22) 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	-2.951	-.3846	.6920	35.67	29.20	1.891
Stddev	2.619	1.072	.2658	.28	.47	.148
%RSD	88.75	278.8	38.41	.7859	1.599	7.853
#1	-5.699	-.3678	.8281	35.35	29.51	1.757
#2	-2.672	.6793	.8621	35.88	28.67	1.866
#3	-.4829	-1.465	.3857	35.77	29.43	2.050

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8449	680.3	3.141	4590.
Stddev	.6275	1.5	.165	18.
%RSD	74.27	.2148	5.267	.4017
#1	-.1955	680.8	3.153	4585.
#2	-.8913	678.7	3.300	4574.
#3	-1.448	681.5	2.970	4610.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2882.9	33179.	5416.4
Stddev	22.2	191.	62.9
%RSD	.77057	.57668	1.1620
#1	2907.2	33398.	5488.8
#2	2877.8	33046.	5374.6
#3	2863.6	33092.	5385.8

Sample Name: 460-111211-F-1-M@5 Acquired: 4/5/2016 18:14:34 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	136.4	2.854	.4876	168.2	-.0398	21240.
Stddev	22.3	1.652	.3755	.3	.1470	64.
%RSD	16.34	57.88	77.01	.1668	369.3	.3023

#1	160.7	4.743	.4550	168.5	-.2058	21280.
#2	116.9	2.147	.1295	168.0	.0737	21270.
#3	131.7	1.673	.8783	168.1	.0127	21160.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1896	11.13	.0343	1.500	10050.	944.0
Stddev	.0799	.13	.4739	.076	39.	36.8
%RSD	42.13	1.211	1380.	5.073	.3861	3.900

#1	.1617	10.99	-.5127	1.466	10010.	965.1
#2	.2796	11.15	.3200	1.587	10060.	965.5
#3	.1273	11.26	.2957	1.447	10090.	901.5

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	2006.	614.9	F 282400.	28.87	30.56	.0204
Stddev	6.	1.3	4604.	.14	1.43	.9361
%RSD	.3104	.2194	1.630	.4727	4.681	4583.

#1	1999.	616.5	286000.	29.00	28.97	-.9258
#2	2012.	614.3	284000.	28.73	31.75	.0410
#3	2006.	614.0	277200.	28.88	30.97	.9461

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111211-F-1-M@5 Acquired: 4/5/2016 18:14:34 Type: Unk
Method: sw03182016(v22) 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	-1.296	.4610	.3613	339.7	30.74	-.0854
Stddev	2.189	2.185	.3944	.3	.63	.2272
%RSD	169.0	473.9	109.2	.1019	2.062	266.0
#1	-3.153	1.014	-.0786	340.0	30.06	-.1009
#2	-1.853	2.316	.6831	339.3	30.86	-.3045
#3	1.118	-1.947	.4794	339.7	31.31	.1491

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3202	96.03	2.316	2219.
Stddev	.6735	.21	.121	17.
%RSD	210.3	.2186	5.239	.7741
#1	.7887	96.20	2.252	2238.
#2	.6236	96.11	2.456	2205.
#3	-.4516	95.80	2.240	2214.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2940.8	33885.	5441.9
Stddev	21.6	255.	64.4
%RSD	.73594	.75137	1.1825
#1	2918.0	33754.	5404.6
#2	2943.5	33722.	5404.9
#3	2961.0	34178.	5516.2

Sample Name: 460-111460-I-10-B@5 Acquired: 4/5/2016 19:13:54 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.44	1.298	.6119	145.1	.1620	5808.
Stddev	7.01	2.049	.0821	.3	.0146	21.
%RSD	13.62	157.9	13.42	.1892	9.029	.3644

#1	57.51	-.9413	.6157	144.9	.1561	5799.
#2	53.05	3.080	.5279	145.4	.1786	5832.
#3	43.77	1.756	.6920	145.0	.1512	5793.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2142	29.12	.5038	7.106	49.30	590.8
Stddev	.1402	.23	.2776	.221	5.37	10.6
%RSD	65.48	.7738	55.09	3.116	10.90	1.788

#1	.0641	29.07	.5867	6.982	46.89	584.0
#2	.2365	28.92	.1942	7.361	55.46	603.0
#3	.3419	29.36	.7305	6.974	45.56	585.6

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	2134.	2642.	239400.	8.458	4.088	-.0675
Stddev	2.	10.	2540.	.578	.192	.3518
%RSD	.0876	.3931	1.061	6.836	4.685	521.3

#1	2136.	2646.	236500.	8.062	3.875	-.4664
#2	2134.	2649.	241200.	9.121	4.142	.0655
#3	2132.	2630.	240600.	8.190	4.247	.1985

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

Sample Name: 460-111460-I-10-B@5 Acquired: 4/5/2016 19:13:54 Type: Unk

Method: sw03182016(v22) 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	-3.061	1.425	-.2446	49.64	28.36	.1550
Stddev	1.320	.971	.3335	.44	.62	.2058
%RSD	43.11	68.16	136.4	.8826	2.199	132.8

#1	-4.584	2.546	-.0214	50.15	28.11	.3820
#2	-2.244	.8419	-.6279	49.44	29.07	-.0193
#3	-2.356	.8864	-.0844	49.34	27.90	.1022

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.016	40.51	.6084	312.0
Stddev	1.181	.10	.1128	17.7
%RSD	116.2	.2584	18.54	5.667

#1	-1.699	40.50	.6140	319.4
#2	-1.696	40.62	.4928	291.8
#3	.3476	40.41	.7183	324.8

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	3041.3	34376.	5505.9
Stddev	7.6	142.	104.6
%RSD	.24924	.41448	1.8988

#1	3033.0	34467.	5600.7
#2	3043.2	34212.	5393.8
#3	3047.8	34449.	5523.1

Sample Name: 460-111460-I-12-B@5 Acquired: 4/5/2016 19:18:12 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	162.0	2.483	.2244	52.65	.1084	1868.
Stddev	3.0	1.843	.3498	.25	.0791	6.
%RSD	1.826	74.21	155.9	.4803	73.01	.3279

#1	160.6	2.527	.6282	52.57	.1930	1864.
#2	160.0	.6188	.0309	52.93	.0961	1875.
#3	165.4	4.304	.0140	52.44	.0361	1864.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1372	1.604	.1518	2.818	60.58	392.6
Stddev	.0862	.147	.1608	.535	6.43	29.6
%RSD	62.81	9.146	105.9	18.99	10.62	7.531

#1	.2041	1.720	.0735	3.232	61.13	426.4
#2	.1674	1.439	.3367	3.009	53.89	379.8
#3	.0400	1.654	.0451	2.214	66.72	371.6

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	320.9	57.26	F 255000.	2.306	4.074	.1796
Stddev	5.0	.27	3600.	.087	1.556	1.482
%RSD	1.567	.4743	1.412	3.759	38.19	825.2

#1	321.0	57.21	251300.	2.310	4.784	1.357
#2	325.9	57.55	255400.	2.390	5.148	.6664
#3	315.8	57.02	258400.	2.217	2.290	-1.484

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111460-I-12-B@5 Acquired: 4/5/2016 19:18:12 Type: Unk
Method: sw03182016(v22) 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	-3.771	.4837	-.0554	11.04	8.410	.0475
Stddev	1.103	2.069	.0390	.04	.276	.1232
%RSD	29.26	427.7	70.40	.3264	3.283	259.3
#1	-4.822	2.742	-.0214	11.09	8.508	-.0777
#2	-3.869	-1.320	-.0469	11.03	8.098	.0515
#3	-2.622	.0287	-.0980	11.02	8.624	.1687

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4745	13.74	1.811	297.0
Stddev	.7786	.07	.091	10.7
%RSD	164.1	.4856	5.000	3.603
#1	-1.374	13.68	1.830	306.1
#2	-.0176	13.81	1.713	285.2
#3	-.0323	13.72	1.891	299.8

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	3007.7	34323.	5445.0
Stddev	8.8	88.	59.2
%RSD	.29255	.25739	1.0878
#1	3008.8	34386.	5486.7
#2	3015.9	34361.	5471.2
#3	2998.4	34222.	5377.2

Sample Name: 460-111211-F-3-G@5 Acquired: 4/5/2016 18:18:48 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1420.	1.389	.3944	52.11	.0463	1919.
Stddev	9.	2.285	.1507	.07	.0866	18.
%RSD	.6173	164.5	38.22	.1350	186.9	.9128

#1	1411.	.4859	.3640	52.13	.0128	1910.
#2	1428.	-.3058	.5580	52.03	.1447	1909.
#3	1422.	3.988	.2611	52.17	-.0185	1940.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0315	.2800	1.130	46.54	336.2	1242.
Stddev	.0234	.0321	.004	.69	3.8	39.
%RSD	74.32	11.46	.3351	1.479	1.141	3.155

#1	-.0141	.2492	1.133	45.95	332.2	1278.
#2	-.0582	.3133	1.126	46.38	339.8	1201.
#3	-.0224	.2776	1.131	47.30	336.6	1248.

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	665.1	8.692	F 269300.	1.213	18.60	2.901
Stddev	4.4	.122	2980.	.463	1.48	.797
%RSD	.6638	1.405	1.107	38.15	7.975	27.46

#1	668.2	8.656	266300.	.7494	19.22	2.057
#2	660.0	8.592	269400.	1.215	16.90	3.005
#3	667.0	8.828	272300.	1.675	19.66	3.641

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111211-F-3-G@5 Acquired: 4/5/2016 18:18:48 Type: Unk
Method: sw03182016(v22) 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	-1.961	.4199	2.101	29.87	79.87	-.0482
Stddev	.912	1.861	.029	.12	.40	.2306
%RSD	46.51	443.1	1.393	.3996	.5011	478.3
#1	-1.085	2.528	2.072	29.97	80.32	.1200
#2	-2.905	-.9946	2.130	29.91	79.57	-.3110
#3	-1.892	-.2732	2.100	29.74	79.70	.0464

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5054	6.903	33.03	1847.
Stddev	.6388	.043	.40	9.
%RSD	126.4	.6193	1.198	.4663
#1	-.1158	6.952	33.49	1851.
#2	-1.243	6.885	32.84	1837.
#3	-.1579	6.872	32.77	1852.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2978.4	33903.	5439.5
Stddev	17.7	271.	42.8
%RSD	.59587	.79823	.78673
#1	2993.0	34160.	5464.6
#2	2983.5	33927.	5463.7
#3	2958.6	33620.	5390.1

Sample Name: CCVL Acquired: 4/5/2016 19:30:41 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	222.1	14.97	9.352	201.1	2.025	4927.
Stddev	18.2	1.62	.061	2.0	.051	23.
%RSD	8.182	10.84	.6562	1.003	2.500	.4732

#1	225.6	13.57	9.358	199.0	2.016	4900.
#2	202.4	14.58	9.411	201.1	1.980	4938.
#3	238.2	16.75	9.289	203.1	2.080	4943.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.090	51.47	10.03	25.34	163.8	4728.
Stddev	.101	.36	.21	.50	7.6	30.
%RSD	2.469	.7036	2.090	1.971	4.634	.6448

#1	3.996	51.10	10.26	25.71	158.1	4708.
#2	4.196	51.49	9.939	25.54	161.0	4763.
#3	4.078	51.83	9.873	24.77	172.4	4712.

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	4800.	15.83	4912.	41.14	11.74	17.73
Stddev	20.	.09	24.	.20	.46	.54
%RSD	.4246	.5404	.4841	.4922	3.920	3.070

#1	4785.	15.86	4935.	41.10	12.26	17.50
#2	4792.	15.90	4888.	40.96	11.58	17.33
#3	4823.	15.73	4914.	41.36	11.38	18.35

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/5/2016 19:30:41 Type: QC
Method: sw03182016(v22) 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	16.03	22.33	48.60	30.89	44.26	19.47
Stddev	2.00	2.17	.49	.22	1.06	.13
%RSD	12.44	9.702	1.014	.7246	2.402	.6838
#1	18.27	20.43	48.05	30.63	43.11	19.34
#2	14.45	24.69	49.02	31.03	44.48	19.46
#3	15.37	21.88	48.73	31.01	45.20	19.60

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	47.92	20.12	20.27	F 12.53
Stddev	.80	.12	.14	7.99
%RSD	1.660	.5976	.6952	63.79
#1	47.17	20.23	20.12	13.85
#2	47.85	19.99	20.31	3.956
#3	48.76	20.13	20.39	19.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3139.3	36304.	5435.7
Stddev	29.7	369.	52.0
%RSD	.94542	1.0165	.95744
#1	3171.4	36726.	5457.7
#2	3133.7	36145.	5473.1
#3	3112.8	36042.	5376.3

Sample Name: 460-110758-D-2-F@5 Acquired: 4/5/2016 18:23:05 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	208.0	2.809	.2144	345.3	-.0105	90640.
Stddev	5.1	1.507	.3847	1.9	.1124	905.
%RSD	2.461	53.66	179.5	.5391	1070.	.9986
#1	205.3	4.531	.1427	346.1	.1078	91090.
#2	204.7	2.167	.6299	343.2	-.1159	91230.
#3	213.9	1.729	-.1295	346.7	-.0233	89600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.497	7.728	-.2265	19.06	289.4	914.5
Stddev	.026	.261	.6240	.54	13.9	17.3
%RSD	.4700	3.375	275.5	2.838	4.813	1.897
#1	5.495	7.983	-.2421	19.68	280.4	902.1
#2	5.473	7.741	-.8426	18.73	305.4	907.1
#3	5.524	7.462	.4052	18.76	282.2	934.4

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	3008.	723.8	F 281400.	23.79	258.0	4.888
Stddev	24.	6.8	1963.	.26	.2	.846
%RSD	.7970	.9433	.6976	1.101	.0884	17.30
#1	3019.	728.2	283600.	24.06	258.1	5.750
#2	3025.	727.2	280900.	23.75	257.7	4.855
#3	2981.	715.9	279800.	23.54	258.2	4.060

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-110758-D-2-F@5 Acquired: 4/5/2016 18:23:05 Type: Unk
Method: sw03182016(v22) 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	-2.758	1.371	.2746	1457.	27.91	-.2574
Stddev	1.825	1.455	.0778	5.	.64	.0714
%RSD	66.17	106.2	28.34	.3579	2.287	27.74
#1	-1.633	2.304	.3600	1460.	28.59	-.3238
#2	-4.864	2.113	.2563	1459.	27.81	-.1819
#3	-1.777	-.3059	.2076	1451.	27.32	-.2665

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.928	277.6	3.695	565.7
Stddev	.495	2.4	.313	3.2
%RSD	10.04	.8671	8.475	.5596
#1	4.357	280.3	3.582	565.2
#2	5.184	276.9	4.049	569.1
#3	5.242	275.6	3.454	562.8

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	2933.8	33172.	5390.9
Stddev	9.3	387.	20.2
%RSD	.31813	1.1662	.37427
#1	2923.0	32867.	5404.6
#2	2939.7	33042.	5367.7
#3	2938.7	33607.	5400.4

Sample Name: CCB Acquired: 4/5/2016 18:31:17 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.02	1.068	-.2179	.7423	.0794	.4859
Stddev	4.49	1.278	.4182	.8502	.0255	.5328
%RSD	34.50	119.7	191.9	114.5	32.15	109.7

#1	8.712	-.3878	.2471	1.713	.0636	-.1153
#2	17.67	1.587	-.3377	.3840	.0657	.6734
#3	12.67	2.005	-.5630	.1299	.1088	.8996

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2357	.1566	.0539	.6684	2.906	3.938
Stddev	.1503	.2536	.3760	.6335	3.687	5.001
%RSD	63.75	161.9	698.3	94.78	126.9	127.0

#1	.3515	.4075	-.3803	-.0160	6.548	9.675
#2	.2897	.1622	.2651	1.234	2.993	1.639
#3	.0659	-.0997	.2768	.7869	-.8242	.5000

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	2.918	.1340	26.70	.2412	1.644	.4447
Stddev	4.598	.0637	8.40	.1113	1.217	1.048
%RSD	157.6	47.57	31.47	46.14	74.04	235.8

#1	8.187	.0915	36.38	.2007	2.556	1.592
#2	-.2799	.2073	22.43	.3671	2.115	-.4645
#3	.8464	.1033	21.29	.1559	.2618	.2071

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

Sample Name: CCB Acquired: 4/5/2016 18:31:17 Type: QC
Method: sw03182016(v22) 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	-2.605	.8869	-.0736	.4332	-2.268	1.043
Stddev	.100	1.307	.2184	.2699	.628	.644
%RSD	3.838	147.4	296.8	62.30	27.69	61.78
#1	-2.490	2.144	.1336	.7446	-1.620	1.787
#2	-2.658	-.4650	-.0528	.2873	-2.873	.6489
#3	-2.667	.9822	-.3016	.2676	-2.312	.6936

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.9092	.0631	.3708	5.628
Stddev	.3820	.0727	.2274	15.90
%RSD	42.01	115.1	61.31	282.5
#1	-.6546	.0778	.5640	23.38
#2	-1.348	.1274	.4282	.8173
#3	-.7245	-.0158	.1203	-7.309

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	3141.1	36551.	5481.5
Stddev	10.8	105.	26.0
%RSD	.34400	.28811	.47457
#1	3128.8	36633.	5494.0
#2	3145.4	36587.	5451.6
#3	3149.1	36432.	5498.9

Sample Name: CCVL Acquired: 4/5/2016 18:35:29 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	228.2	14.33	9.991	204.2	2.049	5038.
Stddev	17.7	1.49	.210	.7	.137	42.
%RSD	7.740	10.37	2.099	.3589	6.671	.8303

#1	228.2	13.94	9.749	203.9	1.905	4990.
#2	210.6	13.08	10.12	203.7	2.064	5058.
#3	245.9	15.98	10.10	205.1	2.178	5066.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.149	52.21	9.917	26.03	171.1	4768.
Stddev	.052	.28	.673	.12	11.7	7.
%RSD	1.253	.5368	6.783	.4475	6.807	.1558

#1	4.204	51.89	10.35	25.89	183.0	4762.
#2	4.101	52.41	9.142	26.08	159.7	4765.
#3	4.143	52.33	10.26	26.11	170.7	4776.

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	4915.	16.14	4918.	41.89	12.10	17.82
Stddev	27.	.05	11.	.61	.52	1.00
%RSD	.5553	.2914	.2167	1.456	4.295	5.620

#1	4884.	16.09	4906.	41.75	11.96	16.81
#2	4936.	16.16	4926.	41.36	12.67	17.85
#3	4925.	16.18	4923.	42.56	11.66	18.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/5/2016 18:35:29 Type: QC
Method: sw03182016(v22) 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	15.95	23.13	49.01	31.59	44.71	19.90
Stddev	1.55	1.09	.39	.27	.16	.24
%RSD	9.701	4.728	.7920	.8627	.3625	1.186
#1	14.17	22.12	48.95	31.27	44.56	19.72
#2	16.88	24.29	48.65	31.78	44.88	19.81
#3	16.81	22.98	49.42	31.70	44.68	20.17

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	49.68	20.50	20.60	F -8.531
Stddev	.92	.19	.20	6.762
%RSD	1.849	.9187	.9712	79.27
#1	49.88	20.33	20.42	-16.16
#2	48.67	20.70	20.56	-3.290
#3	50.47	20.46	20.81	-6.139

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3127.3	35972.	5466.4
Stddev	26.3	398.	54.6
%RSD	.84024	1.1062	.99906
#1	3154.5	36379.	5513.9
#2	3125.4	35953.	5478.7
#3	3102.1	35584.	5406.7

Sample Name: 460-109423-D-1-O@5 Acquired: 4/5/2016 18:39:40 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	276.7	1.828	.0619	93.72	.0682	26700.
Stddev	16.5	1.152	.2577	.42	.1233	93.
%RSD	5.948	63.04	416.4	.4481	180.8	.3469

#1	295.6	.5428	-.2335	93.89	.1108	26770.
#2	269.5	2.171	.1783	94.03	-.0707	26740.
#3	265.1	2.769	.2409	93.25	.1645	26600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5879	.4924	.8360	48.37	195.0	979.5
Stddev	.0972	.0742	.0995	.35	16.1	10.9
%RSD	16.54	15.07	11.90	.7264	8.266	1.116

#1	.6846	.5723	.9209	47.97	181.7	967.0
#2	.5888	.4793	.7265	48.56	212.9	984.3
#3	.4902	.4256	.8606	48.59	190.3	987.2

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	1515.	97.99	F 288400.	4.742	56.64	.6408
Stddev	5.	.17	2055.	.110	.13	.2508
%RSD	.3208	.1776	.7125	2.309	.2315	39.14

#1	1521.	97.79	288300.	4.865	56.49	.8213
#2	1513.	98.10	290500.	4.656	56.73	.7467
#3	1512.	98.07	286400.	4.705	56.70	.3544

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-109423-D-1-O@5 Acquired: 4/5/2016 18:39:40 Type: Unk
Method: sw03182016(v22) 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	-3.425	.1026	10.96	227.7	26.68	.1501
Stddev	1.111	.5903	.24	.7	.37	.1191
%RSD	32.44	575.6	2.147	.3241	1.387	79.36
#1	-4.600	.3053	10.69	227.7	26.40	.1252
#2	-2.391	-.5624	11.11	228.5	27.10	.0454
#3	-3.284	.5648	11.08	227.0	26.54	.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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1372	102.0	9.753	931.6
Stddev	.7042	.5	.985	8.5
%RSD	513.2	.4858	10.10	.9072
#1	.5348	102.5	8.620	923.6
#2	-.8697	102.0	10.23	930.7
#3	-.0768	101.5	10.40	940.4

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	2965.7	33688.	5429.7
Stddev	3.4	83.	48.5
%RSD	.11502	.24610	.89285
#1	2962.4	33599.	5422.3
#2	2965.3	33702.	5385.3
#3	2969.2	33764.	5481.4

Sample Name: 460-111434-A-31-A@4 Acquired: 4/5/2016 20:04:24 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	70030.	15.72	2.169	64.18	.7885	628.4
Stddev	117.	1.73	.113	.14	.2313	5.1
%RSD	.1672	10.98	5.214	.2200	29.33	.8174

#1	70020.	14.20	2.179	64.12	1.055	622.7
#2	69920.	17.60	2.051	64.07	.6427	632.5
#3	70160.	15.37	2.276	64.34	.6677	630.1

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2992	3.311	79.13	27.98	52500.	877.7
Stddev	.0564	.238	.56	.73	168.	33.0
%RSD	18.84	7.190	.7091	2.607	.3197	3.762

#1	-.3396	3.048	79.28	27.26	52390.	915.7
#2	-.2348	3.511	78.51	27.97	52420.	860.3
#3	-.3231	3.375	79.60	28.72	52690.	857.0

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	1054.	51.34	43.88	18.91	30.28	.2191
Stddev	6.	.33	40.43	.51	.47	1.490
%RSD	.5704	.6376	92.13	2.714	1.569	680.0

#1	1047.	51.23	90.56	19.50	30.57	1.502
#2	1059.	51.08	20.40	18.61	29.73	-1.415
#3	1054.	51.71	20.68	18.61	30.53	.5703

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

Sample Name: 460-111434-A-31-A@4 Acquired: 4/5/2016 20:04:24 Type: Unk
Method: sw03182016(v22) 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	-4.665	.2070	97.87	24.08	-2.348	2.469
Stddev	4.023	1.674	.17	.13	.417	.168
%RSD	86.25	808.4	.1743	.5462	17.78	6.800
#1	-0.275	2.139	97.86	23.99	-1.903	2.649
#2	-6.743	-7.121	97.70	24.01	-2.731	2.442
#3	-7.223	-8.057	98.04	24.23	-2.409	2.317

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	16.05	4.303	601.8	1066.
Stddev	1.19	.334	.3	2.
%RSD	7.411	7.758	.0507	.1554
#1	17.34	4.689	601.5	1068.
#2	14.99	4.109	602.1	1066.
#3	15.83	4.113	601.8	1064.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3240.3	37008.	5659.0
Stddev	12.2	232.	54.8
%RSD	.37541	.62714	.96915
#1	3227.7	36958.	5601.7
#2	3252.0	37261.	5711.0
#3	3241.3	36804.	5664.5

Sample Name: 460-110783-D-2-E@5 Acquired: 4/5/2016 18:43:54 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	351.2	3.113	.5624	541.2	.0174	61550.
Stddev	23.3	1.576	.4426	1.1	.1028	210.
%RSD	6.630	50.63	78.69	.2089	590.5	.3408

#1	364.3	4.168	.9250	541.8	.0463	61340.
#2	324.3	1.301	.6932	539.9	.1027	61550.
#3	364.9	3.869	.0692	541.9	-.0967	61760.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.640	10.81	.8956	18.14	1885.	746.0
Stddev	.029	.20	.5830	.23	19.	30.5
%RSD	.5171	1.891	65.10	1.245	.9900	4.090

#1	5.671	10.93	.7792	18.31	1881.	715.0
#2	5.613	10.57	1.528	17.88	1869.	776.0
#3	5.635	10.93	.3796	18.22	1905.	747.0

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	2984.	533.6	F 250200.	63.41	526.2	2.940
Stddev	11.	1.9	2240.	.47	2.0	1.118
%RSD	.3677	.3575	.8952	.7475	.3766	38.03

#1	2972.	531.5	250300.	63.95	525.7	2.732
#2	2990.	534.4	248000.	63.12	524.5	4.148
#3	2992.	535.1	252500.	63.14	528.3	1.941

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-110783-D-2-E@5 Acquired: 4/5/2016 18:43:54 Type: Unk
Method: sw03182016(v22) 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	-4.021	1.158	.9016	3252.	27.75	-.5878
Stddev	2.250	2.300	.1543	13.	.12	.1293
%RSD	55.95	198.6	17.11	.4101	.4200	22.00
#1	-1.428	3.760	1.074	3242.	27.87	-.7047
#2	-5.183	-.6042	.7773	3247.	27.65	-.6100
#3	-5.452	.3191	.8532	3267.	27.72	-.4488

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	7.649	234.7	12.74	1278.
Stddev	.402	.4	.66	12.
%RSD	5.250	.1761	5.180	.9746
#1	7.321	235.1	12.23	1267.
#2	8.097	234.8	12.50	1277.
#3	7.529	234.3	13.48	1292.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2996.4	33979.	5497.0
Stddev	6.2	96.	30.7
%RSD	.20569	.28229	.55852
#1	3000.5	33979.	5503.4
#2	2999.4	34075.	5523.9
#3	2989.3	33883.	5463.6

Sample Name: LB 460-359926/1-F@5 Acquired: 4/5/2016 18:48:07 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.356	.7606	.4675	.1288	.0031	30.76
Stddev	8.430	.8285	.5471	.1267	.0375	5.08
%RSD	193.5	108.9	117.0	98.35	1195.	16.52

#1	-3.407	1.694	-.1273	.1542	.0402	24.94
#2	3.560	.1126	.5805	-.0087	.0040	33.00
#3	-13.22	.4752	.9493	.2408	-.0348	34.34

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0004	.0424	-.2722	1.983	-1.930	81.01
Stddev	.0902	.0366	.4504	.523	7.938	15.67
%RSD	23860.	86.24	165.5	26.40	411.2	19.34

#1	-.1026	.0830	.2136	2.162	-8.491	63.11
#2	.0680	.0320	-.6760	2.393	-4.194	92.22
#3	.0334	.0121	-.3542	1.393	6.894	87.70

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	1.996	.1472	F 282600.	1.054	1.437	.2944
Stddev	5.235	.0427	517.	.241	.798	1.248
%RSD	262.3	29.04	.1830	22.87	55.52	424.1

#1	6.504	.1894	282800.	1.259	1.739	-.2554
#2	3.230	.1481	283000.	.7884	.5320	-.5848
#3	-3.746	.1040	282000.	1.116	2.039	1.723

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: LB 460-359926/1-F@5 Acquired: 4/5/2016 18:48:07 Type: Unk
Method: sw03182016(v22) 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	-2.029	-.1250	-.2967	1.246	-1.983	-.1528
Stddev	1.258	.5846	.3073	.147	.769	.0743
%RSD	62.01	467.9	103.6	11.77	38.78	48.60
#1	-.5966	-.6693	.0244	1.415	-1.126	-.2386
#2	-2.536	.4930	-.3266	1.156	-2.613	-.1080
#3	-2.955	-.1986	-.5880	1.167	-2.209	-.1119

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6799	.0270	-.0480	19.06
Stddev	.6652	.0159	.0357	11.19
%RSD	97.84	58.98	74.45	58.70
#1	-1.367	.0119	-.0331	10.29
#2	-.6346	.0254	-.0888	15.23
#3	-.0385	.0437	-.0221	31.66

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	2995.1	34046.	5407.6
Stddev	4.6	153.	8.1
%RSD	.15440	.44935	.14949
#1	2989.9	33947.	5400.9
#2	2996.7	34222.	5405.4
#3	2998.7	33968.	5416.6

Sample Name: 460-111307-A-3-B@5 Acquired: 4/5/2016 18:52:40 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31.52	1.804	-1.1690	12.42	-.0395	5123.
Stddev	11.51	1.369	.0554	.12	.0453	22.
%RSD	36.51	75.88	32.78	.9966	114.9	.4235

#1	23.32	1.145	-.1520	12.32	-.0643	5103.
#2	26.57	.8892	-.1242	12.56	-.0670	5146.
#3	44.68	3.377	-.2310	12.37	.0129	5120.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0082	.1733	-.0713	3.904	11.96	1400.
Stddev	.0171	.0611	.2131	.396	4.04	20.
%RSD	209.2	35.23	299.1	10.13	33.77	1.437

#1	.0235	.1467	-.2559	3.713	7.798	1395.
#2	.0113	.1301	-.1199	4.359	12.22	1423.
#3	-.0103	.2432	.1620	3.640	15.86	1383.

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	1445.	.2526	10120.	1.379	1.276	.5221
Stddev	13.	.0617	59.	.296	1.476	.8636
%RSD	.8973	24.45	.5873	21.46	115.7	165.4

#1	1430.	.2958	10180.	1.103	1.684	-.0867
#2	1455.	.2800	10080.	1.342	2.504	.1426
#3	1450.	.1819	10090.	1.691	-.3620	1.510

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

Sample Name: 460-111307-A-3-B@5 Acquired: 4/5/2016 18:52:40 Type: Unk
Method: sw03182016(v22) 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	1.773	.0662	1.622	14.48	.7303
Stddev	2.684	.685	.2443	.477	.56	.1423
%RSD	201.0	38.61	369.1	29.44	3.881	19.49
#1	.8936	1.069	.1639	1.545	13.83	.6663
#2	-4.315	1.814	.2465	2.133	14.80	.8934
#3	-.5846	2.436	-.2118	1.187	14.80	.6312

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4874	72.64	.5629	241.4
Stddev	.5600	.36	.1683	6.0
%RSD	114.9	.5020	29.90	2.488
#1	.1205	72.82	.6497	243.8
#2	-.6005	72.22	.6700	245.8
#3	-.9822	72.88	.3689	234.6

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	3097.1	35832.	5339.7
Stddev	18.5	200.	15.8
%RSD	.59765	.55903	.29678
#1	3102.9	36039.	5356.7
#2	3076.4	35639.	5337.3
#3	3112.0	35817.	5325.3

Sample Name: CCB Acquired: 4/5/2016 20:20:43 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.623	2.847	.2260	.1566	.0680	11.69
Stddev	5.727	.822	.1484	.0589	.0646	2.63
%RSD	59.51	28.88	65.69	37.65	95.04	22.54
#1	7.744	3.494	.3727	.2054	.0094	10.16
#2	5.073	3.125	.2294	.0911	.1373	10.17
#3	16.05	1.922	.0759	.1732	.0572	14.73

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0847	.2529	-.2103	1.573	-2.249	13.61
Stddev	.1239	.2061	.4543	.298	5.419	2.37
%RSD	146.3	81.49	216.1	18.95	240.9	17.42
#1	-.0557	.3012	-.1436	1.799	-4.302	14.58
#2	.1788	.4305	.2070	1.684	3.896	15.33
#3	.1311	.0270	-.6942	1.235	-6.341	10.91

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	2.934	.0740	-4.874	-.0472	.6531	.2869
Stddev	3.780	.0529	8.345	.6010	1.883	.6720
%RSD	128.8	71.50	171.2	1272.	288.3	234.3
#1	.2547	.1047	3.342	-.7408	-.5409	1.035
#2	7.257	.0129	-4.623	.2806	2.824	.0931
#3	1.289	.1045	-13.34	.3185	-.3238	-.2670

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

Sample Name: CCB Acquired: 4/5/2016 20:20:43 Type: QC
Method: sw03182016(v22) 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	-2.571	1.460	-.0737	.1936	-2.948	.6380
Stddev	1.129	1.229	.1092	.1166	.132	.3704
%RSD	43.91	84.20	148.1	60.20	4.478	58.06
#1	-2.040	.1831	-.1965	.3080	-2.929	1.024
#2	-1.805	1.561	-.0367	.0750	-2.826	.6057
#3	-3.867	2.635	.0122	.1979	-3.088	.2848

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8039	-.0181	.3696	9.092
Stddev	.2802	.1431	.1529	11.35
%RSD	34.85	788.7	41.36	124.9
#1	-1.082	.1349	.5455	17.04
#2	-.5220	-.1485	.2684	-3.913
#3	-.8074	-.0409	.2951	14.15

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	3158.0	36550.	5433.5
Stddev	7.4	432.	53.7
%RSD	.23282	1.1817	.98763
#1	3159.7	36705.	5404.5
#2	3164.3	36062.	5400.6
#3	3149.9	36882.	5495.4

Sample Name: 460-111420-E-1-F@5 Acquired: 4/5/2016 19:01:05 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	618.4	1.502	.2266	158.7	.1369	58090.
Stddev	13.0	1.429	.4967	.5	.0804	123.
%RSD	2.098	95.14	219.2	.3190	58.72	.2108
#1	632.0	1.452	-.2688	158.2	.2246	57950.
#2	617.0	.0989	.2239	159.2	.0666	58160.
#3	606.2	2.956	.7246	158.8	.1196	58170.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.117	6.699	2.519	10.59	938.5	1545.
Stddev	.092	.191	.305	.31	7.0	21.
%RSD	4.353	2.846	12.09	2.890	.7493	1.337
#1	2.191	6.604	2.531	10.93	930.5	1526.
#2	2.147	6.918	2.209	10.51	943.5	1542.
#3	2.014	6.575	2.818	10.33	941.5	1567.

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	2756.	349.8	F 270900.	16.15	274.8	1.739
Stddev	4.	.5	2378.	.62	.9	.495
%RSD	.1380	.1500	.8777	3.857	.3375	28.46
#1	2758.	349.1	268200.	16.85	273.9	1.951
#2	2758.	350.0	272600.	15.94	275.8	1.174
#3	2752.	350.1	271900.	15.66	274.7	2.093

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111420-E-1-F@5 Acquired: 4/5/2016 19:01:05 Type: Unk
Method: sw03182016(v22) 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	-4.524	-5904	1.706	350.1	20.51	.2409
Stddev	2.884	1.182	.575	1.8	.76	.1007
%RSD	63.74	200.2	33.69	.5144	3.718	41.82
#1	-7.787	-1.943	1.183	348.1	21.38	.2602
#2	-2.318	-.0721	2.322	351.7	19.96	.3306
#3	-3.468	.2439	1.615	350.6	20.18	.1319

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4358	216.6	23.36	2543.
Stddev	.6330	.5	.25	21.
%RSD	145.3	.2247	1.064	.8143
#1	1.020	216.1	23.63	2567.
#2	-.2364	217.1	23.14	2527.
#3	.5232	216.4	23.30	2536.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2949.2	33830.	5397.0
Stddev	8.8	174.	88.8
%RSD	.29787	.51478	1.6450
#1	2959.4	34031.	5494.2
#2	2943.9	33743.	5320.1
#3	2944.4	33717.	5376.8

Sample Name: 460-111420-E-2-D@5 Acquired: 4/5/2016 19:05:20 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	174.5	1.978	.1836	198.7	.0866	11480.
Stddev	17.1	2.338	.2420	.3	.0315	8.
%RSD	9.799	118.2	131.8	.1342	36.40	.0737

#1	194.3	2.150	.1066	198.9	.1209	11480.
#2	165.4	-.4418	-.0105	198.4	.0802	11490.
#3	164.0	4.225	.4547	198.8	.0588	11480.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.623	18.66	.7277	5.290	7888.	576.1
Stddev	.049	.19	.2228	.133	38.	12.6
%RSD	3.013	1.004	30.62	2.512	.4835	2.189

#1	1.592	18.81	.8972	5.376	7861.	590.6
#2	1.679	18.72	.8105	5.357	7871.	569.6
#3	1.597	18.45	.4753	5.137	7931.	568.0

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	951.3	328.9	F 266500.	27.25	207.7	.7781
Stddev	3.9	.3	2581.	.49	1.0	.5531
%RSD	.4072	.0887	.9682	1.783	.4971	71.08

#1	952.0	329.2	264300.	26.81	207.6	1.354
#2	954.7	329.0	265900.	27.18	206.8	.2514
#3	947.1	328.6	269400.	27.77	208.8	.7287

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111420-E-2-D@5 Acquired: 4/5/2016 19:05:20 Type: Unk
Method: sw03182016(v22) 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	-3.517	1.631	-1.1554	218.9	15.41	-4.115
Stddev	.307	1.383	.1896	.6	.49	.0332
%RSD	8.738	84.77	122.1	.2864	3.205	8.058
#1	-3.609	2.737	-.1578	218.4	15.98	-.3818
#2	-3.174	2.076	.0355	218.8	15.13	-.4055
#3	-3.768	.0807	-.3438	219.6	15.12	-.4473

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5019	69.38	1.360	866.3
Stddev	.1696	.28	.273	7.7
%RSD	33.80	.4089	20.08	.8909
#1	-.4311	69.69	1.118	864.3
#2	-.3791	69.30	1.306	859.8
#3	-.6954	69.14	1.656	874.9

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	2999.2	34562.	5546.7
Stddev	4.9	106.	18.4
%RSD	.16310	.30777	.33256
#1	3004.5	34675.	5566.2
#2	2998.1	34463.	5544.1
#3	2994.9	34547.	5529.6

Sample Name: 460-111460-I-9-B@5 Acquired: 4/5/2016 19:09:36 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	117.7	2.306	.0016	65.18	.1625	2509.
Stddev	4.4	.518	.2984	.62	.0335	15.
%RSD	3.718	22.44	19060.	.9551	20.59	.5931

#1	115.0	1.713	.2079	65.87	.1659	2493.
#2	115.4	2.537	.1374	65.01	.1941	2513.
#3	122.8	2.668	-.3406	64.65	.1274	2522.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2428	5.258	-.0057	27.58	1.873	409.8
Stddev	.0569	.310	.1515	.50	6.672	14.4
%RSD	23.44	5.898	2649.	1.805	356.3	3.527

#1	.2465	5.477	-.0015	27.02	-.0825	394.4
#2	.2978	4.903	.1436	27.98	9.304	423.0
#3	.1841	5.392	-.1593	27.73	-3.603	411.9

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	452.7	136.5	248500.	3.141	13.16	.0124
Stddev	5.0	.3	2115.	.493	.63	1.385
%RSD	1.113	.2049	.8510	15.68	4.766	11190.

#1	448.7	136.2	248000.	2.846	12.47	.9094
#2	458.4	136.8	250800.	2.867	13.31	.7107
#3	450.9	136.6	246700.	3.710	13.69	-1.583

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

Sample Name: 460-111460-I-9-B@5 Acquired: 4/5/2016 19:09:36 Type: Unk
Method: sw03182016(v22) 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	-3.154	-.3535	.1610	16.08	8.022	-.2053
Stddev	2.062	1.522	.1831	.26	.344	.0745
%RSD	65.39	430.4	113.7	1.629	4.284	36.28
#1	-2.727	.8085	.0908	16.37	8.287	-.1419
#2	-5.397	.2068	.3688	16.01	8.145	-.1866
#3	-1.339	-2.076	.0235	15.86	7.634	-.2873

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5114	18.28	.3234	248.3
Stddev	.2055	.11	.1568	9.2
%RSD	40.19	.6068	48.47	3.712
#1	-.7399	18.26	.4325	253.2
#2	-.3418	18.40	.1438	254.0
#3	-.4524	18.19	.3939	237.7

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	3029.2	34289.	5376.6
Stddev	13.7	82.	50.0
%RSD	.45105	.23867	.92976
#1	3013.8	34380.	5432.9
#2	3033.5	34221.	5337.2
#3	3040.1	34265.	5359.8

Sample Name: CCV Acquired: 4/5/2016 19:22:31 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	119300.	2324.	1174.	9503.	956.0	119900.
Stddev	477.	18.	10.	80.	4.4	1304.
%RSD	.3996	.7539	.8141	.8452	.4599	1.088

#1	119600.	2343.	1184.	9591.	958.9	121200.
#2	119600.	2321.	1171.	9486.	958.1	119800.
#3	118800.	2309.	1165.	9433.	950.9	118600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1193.	2382.	4774.	11680.	97060.	47510.
Stddev	10.	19.	37.	41.	513.	236.
%RSD	.8184	.7951	.7714	.3506	.5289	.4960

#1	1204.	2404.	4811.	11730.	97610.	47740.
#2	1190.	2375.	4773.	11660.	96960.	47530.
#3	1185.	2368.	4737.	11650.	96600.	47270.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	118600.	4842.	119700.	2373.	7119.	936.0
Stddev	1138.	52.	586.	19.	64.	8.8
%RSD	.9597	1.080	.4896	.8100	.9027	.9407

#1	119800.	4898.	120300.	2394.	7189.	945.3
#2	118500.	4834.	119800.	2366.	7104.	934.7
#3	117500.	4794.	119100.	2357.	7062.	927.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/5/2016 19:22:31 Type: QC
Method: sw03182016(v22) 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	2330.	2403.	2373.	2424.	933.7	2361.
Stddev	16.	24.	11.	18.	6.2	18.
%RSD	.7013	.9815	.4612	.7548	.6610	.7761

#1	2345.	2428.	2385.	2444.	940.6	2380.
#2	2331.	2402.	2370.	2417.	931.6	2360.
#3	2313.	2381.	2363.	2410.	928.8	2344.

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	950.9	4830.	9601.	8872.
Stddev	8.5	28.	123.	117.
%RSD	.8973	.5804	1.280	1.321

#1	960.0	4852.	9731.	9007.
#2	949.7	4840.	9487.	8795.
#3	943.1	4799.	9584.	8815.

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	2904.2	33862.	5288.9
Stddev	26.1	433.	33.3
%RSD	.89889	1.2784	.62913

#1	2875.7	33388.	5294.6
#2	2909.9	33961.	5253.1
#3	2927.0	34236.	5319.0

Sample Name: CCB Acquired: 4/5/2016 19:26:27 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.516	.4142	.3179	.1306	.0634	6.310
Stddev	8.445	1.226	.4871	.0702	.0406	2.054
%RSD	335.6	296.0	153.2	53.75	63.99	32.56
#1	.0555	-.4739	.3716	.0562	.0661	5.511
#2	11.92	1.813	.7759	.1957	.1025	4.775
#3	-4.425	-.0965	-.1938	.1400	.0215	8.644

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0490	.1924	-.4202	1.646	2.815	21.55
Stddev	.0144	.1265	.4613	.343	2.550	22.56
%RSD	29.36	65.72	109.8	20.86	90.56	104.7
#1	.0324	.3367	-.4698	1.256	1.606	43.54
#2	.0580	.1004	.0639	1.779	5.745	-1.529
#3	.0565	.1402	-.8547	1.902	1.096	22.63

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	2.739	.1207	30.09	-.0023	.6799	-.4985
Stddev	2.061	.0833	4.02	.3189	.6215	.5987
%RSD	75.25	68.99	13.37	13990.	91.41	120.1
#1	4.911	.2137	33.18	-.3263	.1343	-.5307
#2	2.498	.0955	31.55	.3113	1.356	-1.080
#3	.8094	.0530	25.54	.0081	.5490	.1156

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

Sample Name: CCB Acquired: 4/5/2016 19:26:27 Type: QC
Method: sw03182016(v22) 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	-2.323	-.0468	-.0256	.2186	-2.845	.7051
Stddev	.863	.1333	.3225	.2071	.448	.4058
%RSD	37.17	285.1	1260.	94.72	15.76	57.55
#1	-1.469	-.1909	.3354	.4532	-2.372	1.160
#2	-3.196	.0722	-.2853	.0612	-3.264	.5766
#3	-2.303	-.0216	-.1270	.1414	-2.898	.3791

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4286	.0714	.3668	-.0286
Stddev	.9264	.0856	.1120	1.585
%RSD	216.1	119.8	30.52	5537.
#1	-.6679	.0148	.4946	.8208
#2	-1.212	.1699	.3202	-1.857
#3	.5939	.0297	.2857	.9506

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	3217.6	36955.	5567.4
Stddev	7.7	162.	25.7
%RSD	.24042	.43865	.46225
#1	3215.3	37075.	5537.7
#2	3211.3	37018.	5582.4
#3	3226.2	36770.	5582.1

Sample Name: 460-111460-I-21-B@5 Acquired: 4/5/2016 19:34:50 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57.32	.3431	-.3335	52.18	.0849	5743.
Stddev	7.21	.6790	.6662	.42	.0711	23.
%RSD	12.58	197.9	199.8	.8074	83.79	.4026

#1	61.00	.1851	-1.063	52.32	.1359	5754.
#2	61.95	1.087	.2422	52.52	.0036	5759.
#3	49.02	-.2429	-.1793	51.71	.1150	5717.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2159	9.275	.0874	4.986	38.50	497.3
Stddev	.1223	.255	.1218	.186	9.68	18.1
%RSD	56.63	2.748	139.4	3.738	25.15	3.638

#1	.1172	9.074	-.0489	4.904	28.40	494.5
#2	.1779	9.189	.1254	4.855	47.70	516.6
#3	.3526	9.562	.1857	5.200	39.40	480.7

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	1745.	606.8	F 269600.	3.422	12.25	-.6085
Stddev	15.	2.3	1449.	.252	1.81	1.773
%RSD	.8548	.3728	.5373	7.375	14.75	291.3

#1	1757.	608.7	268000.	3.217	13.57	-2.224
#2	1749.	607.5	270900.	3.704	10.19	-.8896
#3	1728.	604.3	269900.	3.345	12.99	1.288

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111460-I-21-B@5 Acquired: 4/5/2016 19:34:50 Type: Unk
Method: sw03182016(v22) 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	-2.961	.8392	-.0833	15.15	20.04	.1157
Stddev	1.231	.5809	.3194	.18	.26	.2457
%RSD	41.56	69.22	383.3	1.161	1.302	212.4
#1	-1.558	.6351	-.4240	15.32	19.85	.2472
#2	-3.856	.3879	-.0352	15.14	19.93	.2677
#3	-3.470	1.495	.2093	14.97	20.34	-.1678

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2418	23.96	.9503	426.9
Stddev	.6483	.12	.0621	9.0
%RSD	268.2	.5152	6.535	2.100
#1	-.6117	24.09	1.022	434.7
#2	-.6205	23.84	.9103	428.9
#3	.5068	23.96	.9186	417.1

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	2991.2	34588.	5485.8
Stddev	13.7	64.	87.7
%RSD	.45819	.18591	1.5985
#1	2988.3	34590.	5579.8
#2	2979.1	34523.	5471.4
#3	3006.1	34651.	5406.2

Sample Name: 460-111460-I-22-B@5 Acquired: 4/5/2016 19:39:08 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	194.1	2.972	.2593	28.67	.0258	5500.
Stddev	9.6	2.994	.3609	.17	.0588	93.
%RSD	4.958	100.7	139.2	.5954	227.8	1.693

#1	202.7	2.821	.3867	28.83	-.0368	5607.
#2	183.7	.0562	.5393	28.69	.0343	5456.
#3	196.0	6.039	-.1480	28.49	.0799	5437.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7406	2.403	.0648	51.44	176.3	491.7
Stddev	.1333	.016	.3663	.37	3.5	17.9
%RSD	18.01	.6789	565.3	.7131	1.962	3.635

#1	.6356	2.392	-.2434	51.87	180.2	511.5
#2	.6955	2.396	.4698	51.24	173.8	487.0
#3	.8906	2.422	-.0321	51.23	174.8	476.7

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	2855.	117.9	243000.	17.80	5.578	-.3885
Stddev	28.	1.5	2948.	.61	1.026	.4126
%RSD	.9854	1.297	1.214	3.429	18.39	106.2

#1	2887.	119.7	244200.	18.42	6.091	-.4685
#2	2837.	116.9	245100.	17.20	4.397	-.7553
#3	2840.	117.2	239600.	17.79	6.246	.0583

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

Sample Name: 460-111460-I-22-B@5 Acquired: 4/5/2016 19:39:08 Type: Unk

Method: sw03182016(v22) 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	-4.455	.6661	.4685	63.81	25.32	.0852
Stddev	3.900	.2670	.1385	.61	.07	.2773
%RSD	87.55	40.08	29.56	.9627	.2778	325.5

#1	-2.634	.9286	.5796	64.45	25.35	.0138
#2	-1.799	.3948	.5125	63.22	25.36	-.1495
#3	-8.933	.6750	.3133	63.77	25.23	.3912

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5099	36.22	5.211	290.5
Stddev	.8574	.29	.073	4.3
%RSD	168.1	.8125	1.404	1.482

#1	-1.279	36.40	5.197	286.4
#2	-.6656	36.38	5.290	290.2
#3	.4146	35.88	5.146	295.0

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	3082.9	35217.	5553.2
Stddev	39.6	656.	143.6
%RSD	1.2844	1.8616	2.5856

#1	3037.2	34465.	5387.4
#2	3103.1	35517.	5633.6
#3	3108.2	35668.	5638.5

Sample Name: 460-111460-I-24-B@5 Acquired: 4/5/2016 19:43:26 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.86	.5850	.2694	44.98	.1535	4790.
Stddev	3.61	1.465	.2556	.26	.0731	20.
%RSD	7.105	250.5	94.88	.5694	47.59	.4214

#1	47.10	.8282	.1751	44.72	.1977	4767.
#2	54.31	-.9868	.5588	45.23	.1937	4803.
#3	51.15	1.914	.0743	45.00	.0692	4800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2350	8.194	.0092	5.639	25.70	585.1
Stddev	.1078	.061	.4481	.106	4.61	32.8
%RSD	45.85	.7502	4890.	1.880	17.93	5.607

#1	.3560	8.133	.4865	5.565	27.56	547.5
#2	.1492	8.192	-.4025	5.590	20.45	600.1
#3	.1999	8.256	-.0565	5.760	29.08	607.7

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	1296.	635.3	F 272500.	2.488	5.835	-1.116
Stddev	6.	2.7	1845.	.177	1.106	1.034
%RSD	.4665	.4258	.6770	7.133	18.95	92.59

#1	1291.	632.2	274600.	2.441	4.632	-2.148
#2	1302.	636.4	271900.	2.340	6.806	-.0806
#3	1294.	637.2	271100.	2.685	6.069	-1.120

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111460-I-24-B@5 Acquired: 4/5/2016 19:43:26 Type: Unk
Method: sw03182016(v22) 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	-4.176	1.411	-.0133	10.86	19.43	-.0269
Stddev	.337	1.310	.1955	.05	.40	.1482
%RSD	8.065	92.81	1475.	.4986	2.034	551.0
#1	-4.035	-.0947	.2117	10.82	19.31	.1411
#2	-4.561	2.044	-.1087	10.92	19.11	-.1391
#3	-3.933	2.284	-.1427	10.84	19.87	-.0827

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5705	23.31	.7343	369.2
Stddev	.2222	.33	.1091	13.2
%RSD	38.96	1.433	14.85	3.572
#1	-.7990	22.93	.8074	363.7
#2	-.5574	23.47	.7866	359.6
#3	-.3550	23.54	.6089	384.2

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	3058.0	34263.	5434.7
Stddev	9.4	16.	32.3
%RSD	.30604	.04674	.59476
#1	3047.4	34249.	5426.5
#2	3065.0	34258.	5407.3
#3	3061.6	34280.	5470.4

Sample Name: LB 460-360622/1-B@5 Acquired: 4/5/2016 19:47:44 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.764	.6298	.1980	-.0819	-.0585	10.45
Stddev	1.999	2.593	.1051	.0564	.0252	3.01
%RSD	29.55	411.7	53.09	68.84	43.07	28.81

#1	4.586	-.5242	.0994	-.0240	-.0350	7.094
#2	7.191	3.600	.3086	-.0851	-.0553	11.35
#3	8.516	-1.186	.1860	-.1365	-.0851	12.91

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0197	-.1203	-.1867	2.115	-5.500	89.75
Stddev	.1039	.1283	.2438	.233	6.968	4.13
%RSD	527.1	106.7	130.6	10.99	126.7	4.607

#1	-.0892	-.2264	-.3560	2.199	-3.922	84.98
#2	.0305	-.1568	-.2968	2.293	.5444	92.20
#3	.1178	.0223	.0927	1.852	-13.12	92.08

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	-2.435	.0128	F 294300.	1.063	.3650	-.5020
Stddev	3.713	.0327	1548.	.400	1.112	.8028
%RSD	152.5	255.5	.5260	37.67	304.6	159.9

#1	-2.458	.0506	296000.	.7195	-.8024	-.9289
#2	1.290	-.0074	293600.	.9660	1.411	.4240
#3	-6.136	-.0047	293100.	1.502	.4863	-1.001

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: LB 460-360622/1-B@5 Acquired: 4/5/2016 19:47:44 Type: Unk
Method: sw03182016(v22) 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	-2.881	1.348	.1083	1.280	-1.897	.0144
Stddev	2.678	1.114	.1990	.068	.617	.2238
%RSD	92.94	82.65	183.7	5.345	32.53	1551.
#1	-3.057	.9435	-.1196	1.351	-2.507	-.1327
#2	-.1197	2.607	.1973	1.273	-1.910	-.0960
#3	-5.467	.4923	.2472	1.215	-1.273	.2720

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4378	-.0432	.0041	16.85
Stddev	.4541	.0593	.1052	18.11
%RSD	103.7	137.3	2592.	107.5
#1	.0548	-.0969	.1219	27.85
#2	-.8397	-.0532	-.0807	26.76
#3	-.5285	.0205	-.0290	-4.051

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3034.0	34369.	5454.0
Stddev	6.5	96.	26.5
%RSD	.21426	.27941	.48581
#1	3029.4	34364.	5461.0
#2	3031.2	34276.	5476.3
#3	3041.4	34468.	5424.7

Sample Name: MB 460-360437/1-A@2 Acquired: 4/5/2016 19:52:06 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.683	.7561	.1575	-.0951	.0256	6.427
Stddev	5.024	2.021	.1114	.0358	.0740	.891
%RSD	298.6	267.3	70.76	37.62	288.8	13.86
#1	-3.749	2.478	.1298	-.1355	.0780	6.307
#2	6.163	1.260	.0625	-.0673	-.0591	7.372
#3	2.633	-1.470	.2801	-.0825	.0580	5.602

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0166	.1073	-.1451	1.597	-7.332	-4.969
Stddev	.0654	.1109	.1188	.194	2.064	13.08
%RSD	393.9	103.4	81.86	12.15	28.16	263.2
#1	-.0802	.1145	-.0521	1.703	-7.205	9.772
#2	-.0200	-.0071	-.2790	1.715	-9.457	-15.17
#3	.0504	.2144	-.1044	1.373	-5.334	-9.509

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	-1.327	-.0047	65.26	.0289	.2410	-1.155
Stddev	2.763	.0176	23.49	.4001	.2410	.611
%RSD	208.2	372.7	36.00	1383.	100.00	52.93
#1	-1.575	-.0236	91.74	-.4326	.0490	-1.305
#2	1.551	-.0018	57.09	.2770	.5115	-.4824
#3	-3.957	.0112	46.94	.2424	.1626	-1.677

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

Sample Name: MB 460-360437/1-A@2 Acquired: 4/5/2016 19:52:06 Type: Unk
Method: sw03182016(v22) 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	-4.464	.6917	-.0478	.6739	-3.988	.0772
Stddev	1.716	1.106	.3686	.2542	.090	.1284
%RSD	38.45	159.9	771.5	37.73	2.254	166.3
#1	-5.491	1.819	-.4493	.3815	-3.964	.1934
#2	-2.482	-.3916	.2753	.7975	-4.087	-.0606
#3	-5.418	.6475	.0307	.8427	-3.912	.0987

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.140	-.1302	-.0036	9.061
Stddev	.372	.0582	.1548	6.383
%RSD	32.58	44.69	4250.	70.45
#1	-1.547	-.0631	.1124	14.66
#2	-1.055	-.1612	-.1794	2.111
#3	-.8189	-.1664	.0560	10.41

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	3191.3	36826.	5451.3
Stddev	9.7	179.	48.0
%RSD	.30368	.48595	.88118
#1	3183.6	36877.	5495.8
#2	3188.1	36627.	5457.7
#3	3202.2	36975.	5400.4

Sample Name: LCSSRM 460-360437/2- Acquired: 4/5/2016 19:56:20 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37760.	440.5	190.5	1487.	313.9	31090.
Stddev	165.	3.3	.9	2.	.6	94.
%RSD	.4358	.7424	.4476	.1460	.2010	.3019
#1	37850.	437.5	190.7	1486.	314.0	31190.
#2	37870.	444.0	189.6	1490.	313.2	31000.
#3	37570.	439.9	191.2	1485.	314.5	31080.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	695.6	798.4	886.0	481.8	75410.	11770.
Stddev	1.1	.2	1.1	.9	237.	47.
%RSD	.1600	.0272	.1281	.1962	.3147	.4023
#1	694.4	798.6	885.4	481.2	75640.	11810.
#2	696.6	798.4	887.3	481.3	75170.	11770.
#3	695.9	798.2	885.3	482.9	75410.	11720.

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	11990.	2021.	11980.	739.3	628.1	304.9
Stddev	23.	5.	40.	1.7	1.1	1.5
%RSD	.1930	.2345	.3299	.2253	.1825	.4970
#1	12020.	2026.	12000.	737.7	626.8	305.9
#2	12000.	2017.	12010.	741.0	629.0	303.2
#3	11970.	2019.	11940.	739.3	628.6	305.7

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

Sample Name: LCSSRM 460-360437/2- Acquired: 4/5/2016 19:56:20 Type: Unk
Method: sw03182016(v22) 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	686.3	900.9	464.8	936.1	626.3	781.4
Stddev	4.7	8.5	.2	2.9	1.7	1.9
%RSD	.6798	.9466	.0431	.3149	.2690	.2374
#1	687.2	908.5	464.9	933.6	624.8	779.5
#2	690.4	891.7	464.6	935.3	628.1	781.4
#3	681.2	902.4	464.9	939.4	626.0	783.2

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	496.7	415.7	1957.	933.8
Stddev	.6	1.1	3.	10.2
%RSD	.1287	.2580	.1372	1.087
#1	496.2	415.6	1957.	929.5
#2	496.5	416.8	1954.	945.4
#3	497.5	414.7	1959.	926.5

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3302.3	37787.	5805.6
Stddev	6.4	372.	51.1
%RSD	.19298	.98448	.88056
#1	3307.1	37408.	5750.9
#2	3304.7	38151.	5852.2
#3	3295.0	37803.	5813.6

Sample Name: 460-111434-A-31-B DU Acquired: 4/5/2016 20:00:14 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	69850.	14.63	1.771	64.47	.5890	627.4
Stddev	281.	.55	.283	.12	.0641	3.6
%RSD	.4020	3.746	15.95	.1880	10.89	.5802

#1	69530.	15.23	1.516	64.56	.6431	624.8
#2	69950.	14.51	1.723	64.33	.6058	625.8
#3	70070.	14.16	2.075	64.51	.5181	631.5

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3227	3.383	79.87	27.70	52400.	881.8
Stddev	.0456	.243	.67	.23	182.	8.1
%RSD	14.13	7.171	.8385	.8381	.3475	.9220

#1	-.2989	3.629	79.37	27.97	52200.	886.7
#2	-.3753	3.144	79.61	27.61	52550.	872.5
#3	-.2939	3.377	80.63	27.53	52450.	886.4

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	1052.	51.51	33.22	18.86	32.20	1.593
Stddev	10.	.22	5.65	.24	.78	.762
%RSD	.9059	.4282	17.00	1.286	2.431	47.80

#1	1041.	51.35	37.29	18.70	32.93	2.468
#2	1059.	51.76	26.77	18.74	31.38	1.075
#3	1057.	51.40	35.60	19.14	32.30	1.237

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

Sample Name: 460-111434-A-31-B DU Acquired: 4/5/2016 20:00:14 Type: Unk
Method: sw03182016(v22) 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	-3.493	.8308	98.42	23.90	-1.750	2.738
Stddev	1.876	.3708	.25	.23	.658	.329
%RSD	53.71	44.63	.2539	.9762	37.61	12.02
#1	-3.603	1.209	98.64	24.11	-1.749	3.105
#2	-1.565	.4678	98.15	23.65	-1.092	2.643
#3	-5.313	.8156	98.45	23.96	-2.409	2.468

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	15.98	4.128	601.2	1069.
Stddev	1.32	.063	1.7	8.
%RSD	8.277	1.519	.2838	.7022
#1	15.67	4.080	599.5	1071.
#2	17.43	4.199	601.3	1076.
#3	14.84	4.104	602.9	1061.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3212.1	36623.	5577.9
Stddev	19.0	187.	65.5
%RSD	.59299	.51023	1.1735
#1	3192.7	36652.	5636.8
#2	3212.8	36423.	5507.4
#3	3230.8	36794.	5589.6

Sample Name: sd 460-111434-A-31-A Acquired: 4/5/2016 20:08:31 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13620.	2.510	.3295	12.48	.1091	127.9
Stddev	69.	1.981	.1706	.03	.0866	1.0
%RSD	.5100	78.92	51.78	.2253	79.36	.8015

#1	13660.	.4249	.3221	12.46	.2090	127.6
#2	13550.	4.366	.1628	12.47	.0592	127.1
#3	13670.	2.738	.5038	12.51	.0590	129.1

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0119	.7196	15.01	6.813	10330.	150.0
Stddev	.0109	.1262	.58	.379	52.	13.7
%RSD	91.54	17.53	3.857	5.567	.5065	9.111

#1	-.0150	.8639	14.47	6.968	10280.	135.7
#2	.0002	.6300	15.62	7.090	10340.	163.0
#3	-.0209	.6650	14.93	6.381	10380.	151.4

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	207.2	9.885	3.837	3.811	6.092	-1.404
Stddev	.7	.034	2.278	.333	1.434	1.229
%RSD	.3567	.3461	59.37	8.741	23.54	87.54

#1	206.9	9.884	5.865	3.639	7.030	-.4319
#2	206.7	9.920	4.273	4.195	6.805	-2.785
#3	208.1	9.851	1.372	3.599	4.441	-.9945

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

Sample Name: sd 460-111434-A-31-A Acquired: 4/5/2016 20:08:31 Type: Unk
Method: sw03182016(v22) 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	-2.809	.5720	18.59	4.817	-3.826	.4347
Stddev	2.856	.0910	.64	.072	.225	.1618
%RSD	101.6	15.90	3.461	1.495	5.891	37.23
#1	-5.326	.5502	17.86	4.766	-3.568	.3156
#2	.2940	.6719	18.83	4.786	-3.988	.6190
#3	-3.396	.4939	19.08	4.899	-3.921	.3695

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.639	.7728	116.7	208.3
Stddev	.248	.0689	.5	10.5
%RSD	9.400	8.921	.4713	5.058
#1	2.353	.7176	116.3	217.7
#2	2.790	.7507	116.5	196.9
#3	2.775	.8501	117.3	210.3

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	3191.1	36735.	5467.3
Stddev	26.4	215.	31.1
%RSD	.82592	.58402	.56900
#1	3218.8	36925.	5443.5
#2	3188.1	36778.	5502.5
#3	3166.4	36502.	5455.9

Sample Name: 460-111434-A-31-C MS Acquired: 4/5/2016 20:12:42 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	105000.	867.8	24.93	1026.	25.22	10120.
Stddev	82.	1.1	.45	2.	.18	20.
%RSD	.0777	.1297	1.814	.1498	.7237	.1973

#1	104900.	869.0	25.45	1027.	25.01	10130.
#2	105000.	867.4	24.70	1027.	25.36	10130.
#3	105000.	866.8	24.63	1024.	25.28	10100.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.29	245.6	201.4	150.3	60330.	10020.
Stddev	.11	.2	.5	.2	94.	37.
%RSD	.4565	.0752	.2687	.1189	.1555	.3696

#1	23.38	245.7	200.9	150.3	60400.	10020.
#2	23.17	245.4	201.9	150.5	60370.	9981.
#3	23.30	245.7	201.5	150.2	60230.	10050.

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	10430.	302.4	9536.	271.8	274.5	127.3
Stddev	26.	.6	22.	.2	1.6	.5
%RSD	.2468	.2111	.2271	.0776	.5814	.4315

#1	10440.	303.1	9550.	271.9	275.3	127.9
#2	10440.	302.3	9547.	271.6	275.5	126.9
#3	10400.	301.8	9511.	272.0	272.6	127.2

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

Sample Name: 460-111434-A-31-C MS Acquired: 4/5/2016 20:12:42 Type: Unk
Method: sw03182016(v22) 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	864.4	993.5	361.8	277.6	204.0	229.2
Stddev	6.7	4.7	.4	.7	.6	.6
%RSD	.7708	.4763	.1002	.2484	.3106	.2411
#1	863.3	998.4	361.6	276.8	204.6	229.3
#2	871.6	988.9	362.2	277.7	204.1	229.7
#3	858.4	993.3	361.7	278.2	203.4	228.6

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	231.1	248.2	944.8	1248.
Stddev	.9	.4	1.4	26.
%RSD	.3883	.1486	.1465	2.098
#1	232.1	248.5	943.7	1243.
#2	230.8	248.2	946.4	1225.
#3	230.4	247.8	944.4	1277.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3140.3	35908.	5465.4
Stddev	16.5	309.	53.6
%RSD	.52461	.86182	.98051
#1	3121.3	35620.	5437.5
#2	3148.8	35870.	5431.6
#3	3150.9	36235.	5527.2

Sample Name: CCV Acquired: 4/5/2016 20:16:39 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	119200.	2265.	1165.	9301.	952.4	117300.
Stddev	305.	7.	4.	6.	3.6	503.
%RSD	.2560	.3119	.3653	.0630	.3803	.4286

#1	118900.	2259.	1160.	9297.	948.5	116900.
#2	119100.	2263.	1168.	9297.	953.1	117900.
#3	119500.	2273.	1166.	9307.	955.7	117200.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1171.	2345.	4649.	11540.	96130.	47030.
Stddev	3.	2.	16.	13.	260.	32.
%RSD	.2259	.0682	.3450	.1169	.2703	.0671

#1	1169.	2345.	4637.	11520.	95850.	46990.
#2	1170.	2344.	4667.	11550.	96370.	47050.
#3	1174.	2347.	4642.	11550.	96160.	47050.

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	115600.	4755.	120200.	2322.	6941.	919.1
Stddev	510.	18.	164.	3.	10.	.4
%RSD	.4412	.3801	.1362	.1099	.1505	.0477

#1	115100.	4738.	120100.	2322.	6929.	919.6
#2	116100.	4774.	120400.	2320.	6947.	918.9
#3	115500.	4754.	120300.	2325.	6946.	918.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/5/2016 20:16:39 Type: QC
Method: sw03182016(v22) 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	2270.	2361.	2336.	2394.	910.7	2319.
Stddev	3.	37.	4.	10.	.9	3.
%RSD	.1352	1.557	.1806	.4287	.0947	.1209

#1	2269.	2339.	2331.	2386.	911.5	2317.
#2	2274.	2340.	2340.	2392.	911.0	2318.
#3	2268.	2403.	2337.	2406.	909.8	2322.

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	933.2	4779.	9603.	8909.
Stddev	3.0	6.	31.	72.
%RSD	.3175	.1231	.3264	.8038

#1	930.2	4773.	9592.	8836.
#2	933.1	4777.	9638.	8910.
#3	936.2	4785.	9578.	8979.

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	2943.7	34178.	5392.0
Stddev	2.7	166.	16.4
%RSD	.09248	.48629	.30420

#1	2946.8	34262.	5407.8
#2	2941.7	33986.	5375.1
#3	2942.7	34285.	5393.1

Sample Name: CCVL Acquired: 4/5/2016 20:25:01 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	226.7	14.17	9.452	199.3	1.943	4865.
Stddev	10.2	.40	.163	.9	.070	28.
%RSD	4.517	2.795	1.727	.4515	3.578	.5754

#1	236.6	14.09	9.398	198.3	2.008	4844.
#2	227.2	14.60	9.635	199.5	1.950	4897.
#3	216.2	13.82	9.322	200.0	1.870	4854.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.031	51.15	9.614	24.58	167.0	4690.
Stddev	.047	.20	.349	.24	4.2	29.
%RSD	1.156	.3909	3.636	.9665	2.502	.6206

#1	4.021	51.23	9.345	24.34	164.2	4714.
#2	3.990	50.92	9.487	24.82	171.8	4699.
#3	4.082	51.29	10.01	24.59	165.0	4658.

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	4728.	15.54	4836.	41.17	11.54	18.67
Stddev	23.	.12	20.	.15	.59	.93
%RSD	.4896	.7983	.4084	.3654	5.123	4.985

#1	4723.	15.40	4836.	41.11	10.98	18.03
#2	4754.	15.60	4817.	41.34	12.16	19.73
#3	4708.	15.62	4856.	41.06	11.50	18.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/5/2016 20:25:01 Type: QC
Method: sw03182016(v22) 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	15.31	23.23	48.60	30.84	43.48	19.20
Stddev	.95	.54	.45	.25	.05	.12
%RSD	6.188	2.309	.9226	.8061	.1126	.6339

#1	14.43	23.11	48.33	30.66	43.53	19.30
#2	16.31	23.81	49.12	30.74	43.49	19.06
#3	15.19	22.76	48.36	31.12	43.43	19.23

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	48.32	19.86	20.29	F 7.594
Stddev	.26	.23	.04	8.700
%RSD	.5343	1.146	.2137	114.6

#1	48.24	20.12	20.27	17.30
#2	48.61	19.70	20.27	.5082
#3	48.11	19.76	20.34	4.970

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3128.1	36261.	5344.1
Stddev	5.1	146.	43.4
%RSD	.16450	.40242	.81189

#1	3127.2	36176.	5392.6
#2	3123.5	36179.	5309.0
#3	3133.7	36430.	5330.7

Sample Name: pds 460-111434-A-31- Acquired: 4/5/2016 20:34:39 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	70130.	1670.	45.27	1854.	46.90	18420.
Stddev	244.	8.	.13	7.	.16	202.
%RSD	.3474	.4724	.2977	.3676	.3490	1.094
#1	69870.	1671.	45.38	1862.	46.94	18650.
#2	70350.	1678.	45.12	1853.	47.04	18340.
#3	70160.	1662.	45.31	1848.	46.72	18270.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44.43	459.1	262.6	245.4	51030.	17390.
Stddev	.37	1.7	2.0	1.1	119.	32.
%RSD	.8253	.3737	.7553	.4661	.2322	.1833
#1	44.85	461.1	263.4	244.1	51060.	17430.
#2	44.26	458.2	264.0	246.0	50900.	17370.
#3	44.18	458.1	260.3	246.1	51130.	17380.

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	18050.	513.4	18140.	474.9	481.5	421.4
Stddev	154.	4.3	67.	2.4	.5	2.4
%RSD	.8504	.8429	.3712	.5020	.1034	.5627
#1	18230.	518.4	18180.	477.2	482.0	424.1
#2	18000.	511.2	18180.	475.1	481.0	420.2
#3	17940.	510.7	18060.	472.4	481.4	419.8

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

Sample Name: pds 460-111434-A-31- Acquired: 4/5/2016 20:34:39 Type: Unk
Method: sw03182016(v22) 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	1685.	1890.	547.9	485.0	432.9	445.1
Stddev	10.	31.	1.8	3.3	.7	2.3
%RSD	.5971	1.638	.3345	.6704	.1613	.5086
#1	1683.	1886.	548.4	487.9	433.7	445.7
#2	1695.	1923.	549.5	485.6	432.4	447.0
#3	1676.	1861.	545.9	481.5	432.6	442.6

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	465.1	462.0	1050.	1098.
Stddev	2.3	3.4	1.	17.
%RSD	.4880	.7277	.1053	1.517
#1	465.8	465.9	1049.	1083.
#2	466.9	460.5	1050.	1097.
#3	462.5	459.7	1051.	1116.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3136.6	35944.	5491.7
Stddev	23.6	327.	72.0
%RSD	.75301	.91001	1.3109
#1	3109.8	35567.	5434.7
#2	3145.4	36102.	5467.7
#3	3154.5	36162.	5572.6

Sample Name: 460-111434-A-27-A@4 Acquired: 4/5/2016 20:38:35 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	61170.	16.29	2.039	62.78	.5156	888.4
Stddev	71.	3.33	.256	.06	.1116	6.9
%RSD	.1157	20.41	12.54	.0943	21.65	.7768

#1	61090.	18.70	1.758	62.73	.4151	893.7
#2	61230.	17.69	2.259	62.77	.6357	891.0
#3	61190.	12.50	2.099	62.85	.4960	880.6

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2131	3.102	75.87	28.50	57450.	807.8
Stddev	.0655	.120	.67	.32	141.	46.2
%RSD	30.71	3.853	.8893	1.128	.2461	5.715

#1	-.2137	3.056	75.42	28.22	57410.	859.8
#2	-.1474	3.011	76.65	28.85	57610.	791.9
#3	-.2783	3.237	75.54	28.44	57330.	771.7

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	952.7	53.13	11.09	15.56	37.70	.6619
Stddev	8.5	.23	4.88	.21	.41	1.235
%RSD	.8908	.4272	44.05	1.335	1.080	186.7

#1	948.5	53.03	16.57	15.71	37.32	-.3026
#2	962.5	53.39	7.186	15.65	38.13	.2338
#3	947.2	52.96	9.514	15.33	37.66	2.054

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

Sample Name: 460-111434-A-27-A@4 Acquired: 4/5/2016 20:38:35 Type: Unk
Method: sw03182016(v22) 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	2.877	1.042	104.1	33.61	3.703	2.836
Stddev	2.372	2.232	.4	.06	.165	.038
%RSD	82.44	214.2	.3985	.1807	4.450	1.330
#1	1.873	1.027	103.9	33.59	3.674	2.795
#2	5.586	3.281	104.6	33.57	3.555	2.841
#3	1.172	-1.182	103.9	33.68	3.880	2.870

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	16.20	5.779	594.7	1015.
Stddev	.42	.089	.4	14.
%RSD	2.566	1.534	.0687	1.348
#1	15.89	5.793	594.9	1009.
#2	16.04	5.859	594.2	1031.
#3	16.67	5.684	595.0	1006.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3197.1	36848.	5537.7
Stddev	13.1	337.	36.0
%RSD	.40892	.91541	.65014
#1	3192.9	36685.	5505.2
#2	3186.7	36623.	5531.3
#3	3211.8	37236.	5576.4

Sample Name: 460-111434-A-28-A@4 Acquired: 4/5/2016 20:42:47 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	61960.	13.87	1.810	59.39	.5357	534.0
Stddev	113.	1.43	.073	.22	.0442	3.4
%RSD	.1821	10.29	4.013	.3725	8.256	.6369

#1	61980.	12.55	1.863	59.31	.4974	532.3
#2	62060.	13.67	1.727	59.22	.5841	531.8
#3	61840.	15.38	1.841	59.64	.5257	537.9

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3226	3.302	73.88	28.67	51600.	768.2
Stddev	.1109	.102	.47	.23	276.	34.4
%RSD	34.37	3.090	.6392	.7922	.5340	4.478

#1	-.2746	3.409	73.37	28.65	51600.	736.7
#2	-.4494	3.292	73.96	28.91	51330.	804.9
#3	-.2438	3.206	74.30	28.46	51880.	763.0

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	981.9	50.90	4.098	16.13	31.30	.5502
Stddev	6.3	.48	3.281	.30	1.33	2.394
%RSD	.6373	.9344	80.06	1.853	4.258	435.1

#1	984.8	50.82	6.816	16.38	29.77	3.315
#2	974.7	50.47	.4539	16.22	32.17	-.8173
#3	986.1	51.41	5.023	15.80	31.98	-.8467

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

Sample Name: 460-111434-A-28-A@4 Acquired: 4/5/2016 20:42:47 Type: Unk
Method: sw03182016(v22) 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	1.247	-.7905	94.34	24.64	-.5690	2.499
Stddev	4.871	1.497	.63	.27	.2087	.172
%RSD	390.6	189.3	.6643	1.105	36.68	6.862
#1	5.861	-2.518	94.48	24.42	-.5184	2.605
#2	1.727	.0274	93.65	24.56	-.7983	2.590
#3	-3.846	.1190	94.88	24.94	-.3902	2.301

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	14.67	3.872	593.0	906.1
Stddev	.80	.093	1.2	30.3
%RSD	5.439	2.396	.2089	3.344
#1	15.54	3.782	592.3	884.1
#2	14.50	3.967	592.2	940.7
#3	13.97	3.868	594.4	893.5

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	3215.4	36763.	5534.7
Stddev	13.6	169.	28.6
%RSD	.42329	.46057	.51727
#1	3206.1	36809.	5555.4
#2	3209.1	36904.	5546.6
#3	3231.0	36575.	5502.0

Sample Name: 460-111434-A-30-A@4 Acquired: 4/5/2016 20:51:11 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	66370.	16.81	2.151	65.87	.7440	4129.
Stddev	152.	1.51	.408	.20	.0687	38.
%RSD	.2289	8.956	18.95	.3107	9.239	.9319

#1	66200.	18.46	2.057	65.78	.8225	4119.
#2	66410.	15.52	1.799	66.10	.6946	4171.
#3	66490.	16.45	2.597	65.72	.7150	4096.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1593	3.638	78.90	31.27	55420.	859.2
Stddev	.0110	.091	1.15	.45	224.	26.4
%RSD	6.935	2.513	1.454	1.449	.4046	3.072

#1	-.1467	3.615	77.84	31.10	55270.	833.1
#2	-.1640	3.738	80.12	31.79	55680.	858.7
#3	-.1672	3.559	78.73	30.93	55320.	885.9

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	1683.	63.69	8.142	17.86	38.41	1.224
Stddev	9.	.29	2.562	.36	.70	.498
%RSD	.5557	.4593	31.47	1.996	1.823	40.68

#1	1684.	63.59	10.43	17.57	37.66	1.118
#2	1692.	64.02	5.372	18.26	39.04	1.766
#3	1673.	63.46	8.627	17.76	38.53	.7875

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

Sample Name: 460-111434-A-30-A@4 Acquired: 4/5/2016 20:51:11 Type: Unk
Method: sw03182016(v22) 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	2.704	-4.882	100.5	30.08	-3.452	2.659
Stddev	1.359	1.002	.5	.08	.292	.206
%RSD	50.28	205.2	.4984	.2761	8.474	7.767
#1	1.252	.4796	100.2	30.16	-3.149	2.481
#2	2.914	-1.521	101.1	29.99	-3.475	2.885
#3	3.946	-.4232	100.3	30.10	-3.733	2.610

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	15.81	10.86	592.4	918.0
Stddev	.58	.08	.7	12.8
%RSD	3.657	.6991	.1201	1.388
#1	16.36	10.82	591.8	903.5
#2	15.21	10.95	592.3	927.2
#3	15.88	10.82	593.2	923.4

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	3267.0	36907.	5690.2
Stddev	8.8	241.	9.2
%RSD	.26912	.65429	.16091
#1	3260.2	37020.	5699.9
#2	3264.0	36629.	5681.6
#3	3276.9	37070.	5689.1

Sample Name: 460-111434-A-29-A@4 Acquired: 4/5/2016 20:47:02 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	60330.	13.54	2.030	58.72	.5788	726.9
Stddev	285.	.65	.042	.08	.0514	5.0
%RSD	.4721	4.821	2.085	.1297	8.881	.6835

#1	60410.	14.29	2.022	58.66	.6382	721.5
#2	60010.	13.07	1.992	58.81	.5475	731.2
#3	60560.	13.27	2.076	58.69	.5509	727.9

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2991	3.191	72.18	27.21	51630.	779.5
Stddev	.0259	.266	.29	.36	120.	20.0
%RSD	8.648	8.339	.4040	1.308	.2319	2.560

#1	-.3249	3.484	72.11	27.16	51500.	781.9
#2	-.2731	3.124	72.50	27.59	51740.	758.4
#3	-.2992	2.965	71.93	26.88	51640.	798.1

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	900.6	48.37	-1.240	16.03	30.79	1.310
Stddev	8.3	.35	6.016	.20	.40	.790
%RSD	.9265	.7338	485.1	1.217	1.299	60.31

#1	895.6	47.99	2.739	16.22	30.71	2.215
#2	910.2	48.70	-8.160	16.04	30.43	.9598
#3	896.0	48.42	1.702	15.83	31.22	.7557

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

Sample Name: 460-111434-A-29-A@4 Acquired: 4/5/2016 20:47:02 Type: Unk
Method: sw03182016(v22) 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	2.872	.5866	91.86	22.56	-3.251	2.448
Stddev	2.209	1.464	.28	.05	.224	.262
%RSD	76.89	249.6	.3067	.2268	6.875	10.69
#1	4.358	-1.091	91.84	22.53	-3.460	2.696
#2	3.925	1.245	91.58	22.62	-3.276	2.473
#3	.3344	1.606	92.15	22.53	-3.016	2.175

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	14.83	3.528	550.7	976.7
Stddev	.18	.125	1.3	7.8
%RSD	1.228	3.540	.2432	.7981
#1	14.99	3.392	552.2	967.8
#2	14.63	3.638	549.6	980.5
#3	14.86	3.555	550.2	982.0

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	3274.6	37051.	5708.1
Stddev	4.3	240.	18.0
%RSD	.13061	.64864	.31598
#1	3272.0	37236.	5689.2
#2	3272.1	36779.	5709.8
#3	3279.5	37137.	5725.2

Sample Name: 460-111317-A-1-A@4 Acquired: 4/5/2016 21:03:39 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50680.	19.23	3.057	256.4	2.424	22570.
Stddev	173.	1.72	.655	.3	.052	58.
%RSD	.3403	8.933	21.42	.1299	2.132	.2579
#1	50480.	21.14	3.662	256.0	2.366	22510.
#2	50780.	18.77	3.147	256.6	2.465	22580.
#3	50780.	17.80	2.361	256.6	2.442	22620.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3444	33.89	84.86	77.38	78120.	5562.
Stddev	.0955	.09	.54	.36	312.	7.
%RSD	27.74	.2628	.6348	.4633	.3989	.1227
#1	.3411	33.94	84.24	77.14	77770.	5559.
#2	.4415	33.78	85.12	77.79	78360.	5556.
#3	.2505	33.94	85.22	77.21	78230.	5570.

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	10950.	1046.	132.2	57.79	235.1	1.094
Stddev	6.	4.	5.7	.10	1.1	.846
%RSD	.0591	.3501	4.298	.1787	.4492	77.35
#1	10950.	1042.	126.1	57.67	234.1	2.071
#2	10960.	1050.	137.2	57.81	236.2	.5798
#3	10960.	1047.	133.4	57.88	234.8	.6318

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

Sample Name: 460-111317-A-1-A@4 Acquired: 4/5/2016 21:03:39 Type: Unk
Method: sw03182016(v22) 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	6.697	-1.789	112.3	309.5	4.461	2.075
Stddev	2.913	.776	.8	.5	.153	.203
%RSD	43.50	43.41	.7086	.1583	3.418	9.810
#1	4.258	-.9042	111.6	309.3	4.482	2.308
#2	5.910	-2.104	112.2	309.1	4.602	1.983
#3	9.922	-2.358	113.2	310.1	4.299	1.933

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	28.82	65.34	1544.	849.7
Stddev	.88	.11	4.	24.6
%RSD	3.056	.1681	.2455	2.894
#1	29.84	65.23	1539.	827.6
#2	28.35	65.34	1545.	876.2
#3	28.28	65.45	1546.	845.4

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	3383.7	38739.	6046.6
Stddev	14.0	131.	24.8
%RSD	.41499	.33719	.40939
#1	3391.9	38877.	6065.8
#2	3391.6	38725.	6055.5
#3	3367.4	38616.	6018.7

Sample Name: 460-111319-A-1-A@4 Acquired: 4/5/2016 21:11:52 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	85510.	30.54	3.766	430.7	4.187	F 289100.
Stddev	519.	2.61	.355	.6	.044	2379.
%RSD	.6067	8.556	9.423	.1393	1.046	.8227
#1	85270.	32.49	3.461	430.3	4.193	287500.
#2	85150.	31.55	4.155	430.5	4.227	288100.
#3	86100.	27.57	3.681	431.4	4.140	291900.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.410	42.23	135.6	107.8	122000.	13480.
Stddev	.060	.02	.6	.7	620.	98.
%RSD	4.250	.0396	.4788	.6420	.5080	.7282
#1	1.474	42.23	134.9	108.6	121400.	13400.
#2	1.402	42.21	136.0	107.3	122000.	13450.
#3	1.355	42.24	136.0	107.6	122600.	13590.

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	180200.	2276.	457.0	72.98	198.2	-1.449
Stddev	1001.	18.	9.1	.78	1.7	.737
%RSD	.5553	.7890	1.984	1.064	.8673	50.87
#1	179700.	2265.	453.2	73.73	198.9	-2.150
#2	179500.	2267.	450.5	72.18	196.2	-.6804
#3	181300.	2297.	467.4	73.03	199.5	-1.517

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

Sample Name: 460-111319-A-1-A@4 Acquired: 4/5/2016 21:11:52 Type: Unk
Method: sw03182016(v22) 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	.6070	-1.144	214.1	312.6	1.602	2.908
Stddev	1.748	.712	1.3	1.3	.797	.199
%RSD	288.0	62.25	.6262	.4225	49.76	6.826
#1	1.730	-.4693	215.6	313.9	1.851	2.783
#2	1.498	-1.889	213.6	312.7	2.246	3.137
#3	-1.407	-1.075	213.0	311.2	.7103	2.804

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	19.68	118.5	3956.	1008.
Stddev	.21	.6	12.	7.
%RSD	1.085	.5370	.3151	.6904
#1	19.44	118.0	3943.	1005.
#2	19.84	118.2	3959.	1015.
#3	19.77	119.2	3967.	1002.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3226.3	37563.	5934.3
Stddev	16.0	300.	61.5
%RSD	.49660	.79879	1.0368
#1	3241.0	37713.	5963.8
#2	3228.7	37759.	5975.5
#3	3209.2	37218.	5863.6

Sample Name: CCV Acquired: 4/5/2016 21:15:57 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120400.	2249.	1153.	9236.	956.5	113800.
Stddev	443.	4.	2.	14.	3.9	518.
%RSD	.3675	.1715	.2142	.1532	.4055	.4554

#1	120100.	2245.	1155.	9221.	952.8	114400.
#2	120200.	2251.	1150.	9238.	956.2	113400.
#3	120900.	2252.	1152.	9249.	960.5	113600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1158.	2332.	4567.	11600.	94730.	47150.
Stddev	1.	3.	9.	59.	268.	99.
%RSD	.0856	.1282	.1921	.5060	.2826	.2105

#1	1157.	2329.	4566.	11540.	95010.	47040.
#2	1158.	2331.	4559.	11630.	94680.	47150.
#3	1159.	2335.	4577.	11650.	94480.	47240.

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	112500.	4626.	121500.	2311.	6851.	921.4
Stddev	318.	17.	144.	7.	20.	2.9
%RSD	.2823	.3594	.1187	.3044	.2918	.3155

#1	112800.	4645.	121700.	2303.	6828.	918.1
#2	112200.	4612.	121400.	2313.	6862.	923.6
#3	112600.	4623.	121500.	2317.	6864.	922.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/5/2016 21:15:57 Type: QC
Method: sw03182016(v22) 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	2263.	2390.	2327.	2357.	913.5	2318.
Stddev	9.	21.	4.	1.	4.4	9.
%RSD	.3808	.8930	.1550	.0526	.4821	.3770

#1	2253.	2370.	2323.	2358.	908.6	2308.
#2	2268.	2413.	2329.	2359.	915.0	2324.
#3	2269.	2386.	2330.	2356.	917.0	2322.

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	921.5	4757.	9496.	9016.
Stddev	4.8	11.	49.	27.
%RSD	.5241	.2207	.5159	.2977

#1	916.0	4747.	9453.	9047.
#2	924.0	4768.	9550.	9001.
#3	924.6	4755.	9487.	9001.

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	2945.2	34971.	5372.4
Stddev	8.3	94.	58.3
%RSD	.28069	.26870	1.0845

#1	2954.6	34872.	5425.4
#2	2938.8	35059.	5381.8
#3	2942.3	34982.	5310.0

Sample Name: 460-111434-A-32-A@4 Acquired: 4/5/2016 20:55:21 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58650.	15.04	1.977	59.54	.5393	1160.
Stddev	54.	2.50	.459	.24	.0880	8.
%RSD	.0926	16.64	23.22	.4095	16.33	.6981
#1	58710.	15.54	2.227	59.26	.5487	1153.
#2	58610.	17.25	2.256	59.73	.6223	1158.
#3	58630.	12.32	1.447	59.62	.4469	1169.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3094	3.000	72.41	27.83	52400.	750.6
Stddev	.0646	.112	.31	.27	350.	18.4
%RSD	20.88	3.731	.4330	.9573	.6681	2.445
#1	-.2422	3.085	72.33	28.09	52000.	760.6
#2	-.3710	2.873	72.14	27.56	52590.	729.4
#3	-.3150	3.042	72.75	27.83	52610.	761.8

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	991.4	51.60	9.355	15.65	32.62	-.0304
Stddev	3.5	.23	10.41	.05	1.19	.9260
%RSD	.3550	.4544	111.2	.2901	3.662	3051.
#1	990.9	51.37	21.33	15.71	32.80	.9442
#2	995.1	51.59	4.262	15.63	31.35	-.1367
#3	988.1	51.84	2.475	15.62	33.71	-.8986

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

Sample Name: 460-111434-A-32-A@4 Acquired: 4/5/2016 20:55:21 Type: Unk
Method: sw03182016(v22) 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	3.061	-3.8958	94.17	24.93	-3.762	2.703
Stddev	2.725	.9440	.21	.24	.192	.039
%RSD	89.03	105.4	.2216	.9761	5.094	1.450
#1	.7913	-1.017	94.20	24.66	-3.983	2.658
#2	6.084	.1029	93.95	25.13	-3.663	2.723
#3	2.309	-1.774	94.37	25.01	-3.639	2.729

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	15.76	4.325	554.8	981.2
Stddev	.50	.059	1.9	21.6
%RSD	3.168	1.359	.3471	2.197
#1	15.34	4.377	552.6	966.6
#2	16.31	4.261	555.7	1006.
#3	15.64	4.337	556.2	971.2

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	3284.0	37267.	5809.0
Stddev	9.0	255.	82.4
%RSD	.27551	.68412	1.4187
#1	3293.8	37560.	5863.4
#2	3282.2	37099.	5849.3
#3	3276.0	37141.	5714.1

Sample Name: 460-111448-F-1-A@4 Acquired: 4/5/2016 20:59:35 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52210.	185.3	4.641	811.5	3.833	83370.
Stddev	154.	3.0	.137	.6	.065	351.
%RSD	.2955	1.593	2.959	.0720	1.692	.4205

#1	52250.	185.2	4.739	812.1	3.766	83040.
#2	52040.	188.3	4.484	811.6	3.895	83330.
#3	52340.	182.4	4.699	810.9	3.837	83740.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.145	46.51	176.4	458.3	126200.	9735.
Stddev	.191	.20	.6	.4	522.	86.
%RSD	8.924	.4219	.3229	.0956	.4139	.8867

#1	2.040	46.59	175.7	458.3	125700.	9786.
#2	2.366	46.65	176.5	457.8	126200.	9784.
#3	2.030	46.29	176.8	458.7	126700.	9635.

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	30550.	2365.	2579.	139.1	2455.	5.026
Stddev	77.	9.	11.	.4	5.	.817
%RSD	.2536	.3892	.4166	.2949	.2132	16.26

#1	30480.	2355.	2569.	139.6	2461.	5.654
#2	30540.	2365.	2577.	138.9	2455.	4.102
#3	30630.	2373.	2590.	138.9	2450.	5.322

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

Sample Name: 460-111448-F-1-A@4 Acquired: 4/5/2016 20:59:35 Type: Unk
Method: sw03182016(v22) 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	4.518	-1.257	271.2	1033.	31.51	32.59
Stddev	1.633	.663	1.1	3.	.17	.02
%RSD	36.14	52.73	.4157	.2905	.5419	.0517
#1	3.982	-1.184	269.9	1029.	31.45	32.57
#2	3.221	-.6338	271.8	1035.	31.37	32.60
#3	6.351	-1.953	272.0	1034.	31.70	32.60

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	27.20	416.1	2835.	2983.
Stddev	.73	1.0	9.	9.
%RSD	2.667	.2508	.3006	.3175
#1	26.50	416.6	2827.	2983.
#2	27.17	414.9	2834.	2993.
#3	27.95	416.8	2843.	2974.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3374.2	38574.	6083.4
Stddev	7.4	117.	95.1
%RSD	.22001	.30313	1.5631
#1	3376.7	38676.	5975.1
#2	3365.9	38600.	6121.8
#3	3380.1	38446.	6153.2

Sample Name: 460-111318-A-1-A@4 Acquired: 4/5/2016 21:07:47 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	67910.	20.55	3.514	415.4	3.345	8039.
Stddev	872.	.94	.251	.4	.110	18.
%RSD	1.283	4.591	7.135	.0874	3.280	.2189

#1	68910.	20.08	3.339	415.8	3.361	8056.
#2	67330.	19.93	3.801	415.3	3.228	8041.
#3	67480.	21.63	3.402	415.1	3.446	8021.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0851	38.86	144.5	76.61	109300.	8932.
Stddev	.0949	.19	.2	.31	304.	53.
%RSD	111.5	.4888	.1367	.4008	.2780	.5970

#1	.1920	38.71	144.7	76.65	109100.	8990.
#2	.0111	39.08	144.5	76.90	109100.	8886.
#3	.0520	38.81	144.3	76.29	109600.	8919.

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	14150.	1478.	1222.	76.57	416.3	1.097
Stddev	61.	5.	12.	.38	1.8	1.804
%RSD	.4283	.3236	.9837	.4981	.4407	164.5

#1	14210.	1483.	1235.	76.36	417.4	-.8060
#2	14150.	1478.	1211.	77.01	417.3	2.782
#3	14090.	1473.	1220.	76.35	414.2	1.315

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

Sample Name: 460-111318-A-1-A@4 Acquired: 4/5/2016 21:07:47 Type: Unk
Method: sw03182016(v22) 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	7.508	-7.714	159.6	348.3	4.230	4.463
Stddev	2.985	1.353	.6	1.7	.511	.097
%RSD	39.76	175.4	.3593	.4827	12.07	2.165
#1	10.92	-3.719	158.9	346.4	4.685	4.449
#2	5.366	-2.279	159.8	349.5	4.326	4.375
#3	6.241	.3371	160.0	349.0	3.678	4.566

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	15.98	43.35	2923.	851.7
Stddev	.43	.15	5.	80.4
%RSD	2.707	.3419	.1685	9.438
#1	15.56	43.22	2919.	759.4
#2	15.96	43.32	2923.	906.0
#3	16.43	43.51	2929.	889.8

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	3365.6	38632.	5517.6
Stddev	12.4	77.	583.4
%RSD	.36786	.19819	10.573
#1	3373.9	38554.	4844.0
#2	3351.4	38635.	5859.0
#3	3371.4	38707.	5849.8

Sample Name: CCB Acquired: 4/5/2016 21:19:58 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.195	1.152	-.0658	.2737	-.0310	11.66
Stddev	4.159	1.212	.4000	.3724	.0302	2.73
%RSD	348.1	105.3	607.6	136.1	97.49	23.44

#1	-5.997	-.2302	.3917	.0231	-.0657	12.81
#2	1.239	1.648	-.2398	.7016	-.0170	13.63
#3	1.173	2.037	-.3494	.0963	-.0103	8.539

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0391	.1722	-.2281	-.7366	2.758	-10.28
Stddev	.0357	.1290	.3844	.7651	7.330	26.50
%RSD	91.10	74.90	168.5	103.9	265.8	257.9

#1	.0462	.3027	.0253	-.9501	-3.581	-1.076
#2	.0005	.1693	-.6704	-1.372	10.78	10.40
#3	.0708	.0447	-.0393	.1127	1.072	-40.15

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	3.774	.0965	-22.95	.3443	.6030	-.1296
Stddev	3.116	.0508	6.29	.1280	.5024	.5514
%RSD	82.56	52.66	27.40	37.16	83.31	425.3

#1	4.284	.1260	-23.56	.4059	.4022	.1420
#2	.4345	.1257	-16.38	.4299	.2321	.2332
#3	6.603	.0378	-28.91	.1972	1.175	-.7641

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

Sample Name: CCB Acquired: 4/5/2016 21:19:58 Type: QC
Method: sw03182016(v22) 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	-3.005	.1426	-.0691	.1049	-2.638	.8130
Stddev	.834	.7518	.2050	.0509	.313	.2646
%RSD	27.77	527.3	296.8	48.49	11.86	32.55
#1	-2.073	-.5802	-.1078	.1626	-2.304	1.084
#2	-3.684	.9205	-.2520	.0663	-2.925	.8006
#3	-3.257	.0875	.1525	.0859	-2.684	.5548

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6439	-.0477	.5196	-2.504
Stddev	.3303	.0453	.0527	.186
%RSD	51.31	94.93	10.15	7.433
#1	-.4239	-.0956	.5013	-2.708
#2	-1.024	-.0056	.5790	-2.343
#3	-.4839	-.0419	.4784	-2.461

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	3113.2	36716.	5257.1
Stddev	7.1	275.	98.0
%RSD	.22766	.74803	1.8632
#1	3116.8	36851.	5331.0
#2	3105.0	36897.	5294.2
#3	3117.7	36400.	5146.0

Sample Name: CCVL Acquired: 4/5/2016 21:24:18 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	210.5	13.56	9.210	194.6	1.932	4726.
Stddev	5.7	1.98	.280	.0	.035	50.
%RSD	2.702	14.62	3.035	.0191	1.806	1.057

#1	209.7	15.60	8.887	194.5	1.934	4669.
#2	216.5	13.44	9.374	194.6	1.897	4746.
#3	205.2	11.64	9.368	194.6	1.966	4763.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.889	49.82	9.395	23.06	155.4	4585.
Stddev	.035	.26	.551	.68	6.3	26.
%RSD	.9008	.5289	5.865	2.935	4.051	.5581

#1	3.878	49.88	9.726	22.67	154.9	4557.
#2	3.860	50.05	8.759	22.67	149.4	4607.
#3	3.928	49.53	9.700	23.84	162.0	4590.

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	4592.	15.01	4732.	40.20	10.94	16.67
Stddev	32.	.17	34.	.37	.61	1.63
%RSD	.6980	1.133	.7193	.9131	5.606	9.747

#1	4555.	14.83	4728.	39.83	11.58	15.52
#2	4605.	15.04	4769.	40.57	10.35	15.95
#3	4615.	15.17	4701.	40.21	10.90	18.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/5/2016 21:24:18 Type: QC
Method: sw03182016(v22) 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	14.92	22.48	47.05	29.94	43.27	18.79
Stddev	1.93	2.40	.37	.12	.32	.06
%RSD	12.90	10.69	.7831	.3995	.7307	.3265

#1	14.61	23.63	47.18	30.02	43.25	18.85
#2	16.98	19.72	47.34	29.80	43.59	18.73
#3	13.17	24.09	46.64	29.99	42.96	18.79

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	46.43	19.33	19.80	F 8.429
Stddev	.51	.04	.18	7.507
%RSD	1.105	.2043	.9101	89.06

#1	46.67	19.30	19.85	5.537
#2	46.79	19.31	19.60	2.799
#3	45.84	19.37	19.95	16.95

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3126.6	36319.	5285.5
Stddev	4.4	393.	51.1
%RSD	.14091	1.0811	.96768

#1	3128.8	36767.	5338.1
#2	3121.6	36152.	5235.9
#3	3129.6	36037.	5282.5

Sample Name: 460-111386-D-1-A@4 Acquired: 4/5/2016 21:30:19 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25340.	29.76	1.288	57.83	1.286	4192.
Stddev	79.	1.27	.120	.19	.085	15.
%RSD	.3125	4.285	9.304	.3238	6.570	.3461
#1	25440.	29.93	1.165	57.61	1.201	4191.
#2	25300.	30.95	1.404	57.91	1.285	4178.
#3	25290.	28.41	1.294	57.96	1.370	4207.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1256	15.88	64.01	12.79	39140.	5464.
Stddev	.0150	.20	.52	.51	118.	6.
%RSD	11.97	1.266	.8179	4.015	.3004	.1047
#1	.1402	15.70	63.41	12.38	39120.	5468.
#2	.1101	16.10	64.26	12.62	39030.	5468.
#3	.1264	15.86	64.37	13.37	39260.	5458.

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	10490.	357.9	18060.	34.13	23.07	-.0979
Stddev	36.	1.5	42.	.07	1.06	2.438
%RSD	.3455	.4147	.2323	.1936	4.577	2489.
#1	10530.	358.8	18100.	34.08	22.01	.2930
#2	10480.	356.1	18060.	34.12	23.08	-2.708
#3	10450.	358.7	18010.	34.21	24.13	2.121

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

Sample Name: 460-111386-D-1-A@4 Acquired: 4/5/2016 21:30:19 Type: Unk
Method: sw03182016(v22) 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	16.56	-.1007	65.39	172.2	35.55	5.527
Stddev	2.91	.7528	.11	.6	.30	.035
%RSD	17.56	747.5	.1691	.3556	.8385	.6270
#1	18.68	-.3790	65.42	171.6	35.44	5.562
#2	17.76	.7516	65.26	172.1	35.31	5.526
#3	13.24	-.6747	65.48	172.8	35.88	5.493

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	15.72	39.07	1180.	987.5
Stddev	.82	.20	2.	10.9
%RSD	5.191	.5121	.1973	1.106
#1	16.55	39.21	1178.	977.9
#2	15.68	39.16	1178.	985.2
#3	14.92	38.84	1182.	999.4

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	3195.9	37073.	5610.2
Stddev	6.0	217.	33.6
%RSD	.18798	.58413	.59901
#1	3189.9	36932.	5572.5
#2	3195.9	37323.	5637.1
#3	3201.9	36966.	5620.8

Sample Name: 460-111386-D-2-A@4 Acquired: 4/5/2016 21:34:35 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15220.	9.129	.4076	34.75	.6918	4126.
Stddev	42.	1.727	.4765	.13	.0578	18.
%RSD	.2745	18.91	116.9	.3826	8.349	.4441

#1	15260.	7.458	.0602	34.88	.6699	4104.
#2	15180.	9.021	.2119	34.62	.7573	4136.
#3	15210.	10.91	.9508	34.75	.6482	4137.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0400	6.549	32.98	8.879	16050.	2372.
Stddev	.0960	.188	.07	.126	108.	17.
%RSD	240.3	2.873	.2261	1.413	.6704	.7178

#1	.0128	6.505	33.06	8.763	15970.	2389.
#2	-.0395	6.387	32.91	8.862	16000.	2355.
#3	.1466	6.756	32.99	9.012	16170.	2373.

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	5041.	167.3	8521.	17.05	15.43	1.286
Stddev	18.	.5	14.	.40	1.10	.362
%RSD	.3638	.2917	.1633	2.359	7.158	28.18

#1	5020.	167.8	8533.	17.24	16.67	1.151
#2	5046.	166.9	8506.	17.32	14.56	1.010
#3	5055.	167.2	8524.	16.59	15.05	1.697

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

Sample Name: 460-111386-D-2-A@4 Acquired: 4/5/2016 21:34:35 Type: Unk
Method: sw03182016(v22) 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	4.090	.5135	38.24	66.40	20.77	2.908
Stddev	2.342	.3698	.49	.13	.26	.253
%RSD	57.25	72.01	1.294	.1936	1.274	8.691
#1	1.492	.9073	38.27	66.55	20.83	2.863
#2	4.740	.1737	37.73	66.34	21.01	2.680
#3	6.038	.4594	38.72	66.31	20.49	3.179

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.46	30.05	590.8	791.1
Stddev	.18	.14	1.0	10.6
%RSD	1.317	.4723	.1768	1.335
#1	13.37	30.16	590.5	779.1
#2	13.66	30.10	589.9	795.5
#3	13.34	29.89	591.9	798.7

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	3161.4	36485.	5432.2
Stddev	25.1	238.	18.7
%RSD	.79372	.65191	.34481
#1	3137.7	36308.	5415.2
#2	3158.8	36392.	5429.2
#3	3187.7	36756.	5452.3

Sample Name: 460-111386-F-5-A@4 Acquired: 4/5/2016 21:47:04 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	61300.	29.81	2.599	151.2	2.503	18090.
Stddev	115.	.46	.378	.8	.055	89.
%RSD	.1869	1.527	14.55	.5073	2.189	.4934
#1	61340.	29.68	2.666	150.9	2.454	18190.
#2	61380.	30.31	2.191	150.8	2.492	18070.
#3	61170.	29.43	2.938	152.1	2.562	18020.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0141	30.70	149.8	30.04	92820.	13660.
Stddev	.1240	.11	.7	.37	35.	45.
%RSD	879.5	.3590	.4697	1.236	.0374	.3299
#1	-.1486	30.73	149.4	29.96	92850.	13640.
#2	.0957	30.58	149.4	30.45	92780.	13710.
#3	.0107	30.79	150.6	29.72	92820.	13630.

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	29630.	1083.	24030.	79.37	32.18	.1318
Stddev	151.	5.	35.	.10	1.56	1.541
%RSD	.5102	.4910	.1456	.1273	4.860	1169.
#1	29780.	1087.	24000.	79.32	31.79	-.0836
#2	29610.	1085.	24070.	79.49	33.90	1.769
#3	29480.	1077.	24030.	79.31	30.85	-1.290

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

Sample Name: 460-111386-F-5-A@4 Acquired: 4/5/2016 21:47:04 Type: Unk
Method: sw03182016(v22) 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	23.60	-1.314	159.0	214.6	81.57	1.746
Stddev	2.73	1.487	1.2	1.0	.77	.049
%RSD	11.56	113.2	.7631	.4585	.9382	2.778
#1	26.29	-1.319	158.1	215.4	81.08	1.711
#2	20.83	.1763	158.6	213.5	81.18	1.801
#3	23.66	-2.798	160.4	214.9	82.45	1.727

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	15.43	105.9	3043.	909.1
Stddev	1.19	.3	6.	29.9
%RSD	7.713	.3175	.2127	3.292
#1	16.10	105.5	3036.	877.0
#2	14.05	106.1	3042.	913.9
#3	16.13	106.0	3049.	936.3

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	3326.1	38119.	5857.0
Stddev	11.9	230.	108.0
%RSD	.35699	.60221	1.8440
#1	3325.3	37873.	5733.0
#2	3338.4	38154.	5907.9
#3	3314.7	38328.	5930.2

Sample Name: 460-111386-F-3-A@4 Acquired: 4/5/2016 21:38:47 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	62340.	27.28	2.356	156.2	2.691	18560.
Stddev	132.	3.11	.155	.5	.029	129.
%RSD	.2118	11.40	6.592	.2999	1.096	.6952

#1	62200.	30.12	2.514	156.7	2.694	18660.
#2	62460.	27.78	2.348	155.9	2.719	18610.
#3	62360.	23.96	2.204	155.9	2.660	18420.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1801	32.70	160.0	30.18	96370.	14070.
Stddev	.2351	.07	.7	.34	242.	89.
%RSD	130.5	.2277	.4453	1.124	.2510	.6291

#1	-.4252	32.77	159.6	30.10	96640.	14010.
#2	-.1586	32.71	160.8	30.56	96190.	14170.
#3	.0435	32.62	159.6	29.90	96270.	14020.

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	30980.	1157.	23310.	87.61	32.79	.7840
Stddev	182.	7.	86.	.61	1.98	1.304
%RSD	.5874	.5805	.3674	.6907	6.029	166.4

#1	31040.	1162.	23290.	87.17	34.97	.8771
#2	31110.	1159.	23400.	88.30	32.27	-.5645
#3	30770.	1149.	23240.	87.37	31.12	2.039

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

Sample Name: 460-111386-F-3-A@4 Acquired: 4/5/2016 21:38:47 Type: Unk
Method: sw03182016(v22) 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	25.99	-2.214	163.2	217.5	80.61	1.928
Stddev	3.65	1.667	.4	.6	.44	.375
%RSD	14.05	75.30	.2405	.2912	.5416	19.46
#1	25.11	-1.968	163.0	216.9	80.47	1.984
#2	30.00	-3.991	163.0	217.4	81.10	1.528
#3	22.85	-.6838	163.7	218.2	80.26	2.273

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	14.74	103.7	3067.	961.0
Stddev	.51	.3	4.	3.7
%RSD	3.459	.2616	.1356	.3807
#1	14.88	103.9	3070.	959.6
#2	15.17	103.4	3068.	958.3
#3	14.18	103.9	3062.	965.2

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	3290.4	37576.	5777.5
Stddev	26.2	418.	27.6
%RSD	.79750	1.1130	.47720
#1	3262.7	37157.	5786.0
#2	3293.7	37578.	5746.6
#3	3314.8	37993.	5799.7

Sample Name: 460-111386-C-4-A@4 Acquired: 4/5/2016 21:42:55 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57240.	28.79	2.206	142.4	2.362	18320.
Stddev	177.	.42	.440	.4	.100	19.
%RSD	.3099	1.453	19.93	.2631	4.240	.1015

#1	57260.	29.18	1.700	142.4	2.477	18330.
#2	57410.	28.35	2.494	142.0	2.304	18340.
#3	57060.	28.84	2.424	142.7	2.304	18300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0448	30.17	142.4	28.50	90590.	12600.
Stddev	.1106	.15	.6	.15	187.	38.
%RSD	246.9	.4862	.4530	.5353	.2060	.3004

#1	-.0803	30.04	142.5	28.34	90400.	12630.
#2	.0850	30.16	141.8	28.53	90610.	12620.
#3	.1297	30.33	143.1	28.64	90770.	12560.

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	28210.	1101.	22780.	76.53	32.12	.5891
Stddev	20.	2.	71.	.41	2.05	.9418
%RSD	.0707	.2046	.3119	.5421	6.369	159.9

#1	28210.	1099.	22760.	76.60	34.18	-.2802
#2	28230.	1102.	22860.	76.09	32.11	1.590
#3	28190.	1104.	22720.	76.91	30.08	.4579

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

Sample Name: 460-111386-C-4-A@4 Acquired: 4/5/2016 21:42:55 Type: Unk
Method: sw03182016(v22) 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	23.40	-1.162	153.6	198.7	74.99	1.591
Stddev	1.40	.607	.8	.4	.53	.181
%RSD	5.980	52.24	.5530	.2110	.7088	11.36
#1	21.88	-1.776	152.9	198.4	75.60	1.686
#2	23.70	-1.150	153.3	198.5	74.75	1.382
#3	24.63	-.5617	154.5	199.2	74.62	1.704

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	15.05	100.1	2921.	917.7
Stddev	.84	.3	6.	22.6
%RSD	5.561	.2876	.2059	2.467
#1	14.32	100.2	2914.	911.7
#2	14.87	99.84	2922.	898.7
#3	15.97	100.4	2926.	942.8

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	3304.5	37849.	5819.2
Stddev	14.9	286.	68.9
%RSD	.44942	.75619	1.1832
#1	3288.4	37518.	5825.3
#2	3317.8	38016.	5747.5
#3	3307.3	38013.	5884.8

Sample Name: 460-111411-D-1-A@4 Acquired: 4/5/2016 21:51:12 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51130.	16.87	2.460	517.1	3.525	8531.
Stddev	370.	1.15	.102	.9	.055	19.
%RSD	.7240	6.787	4.161	.1811	1.570	.2272

#1	51390.	15.71	2.576	516.4	3.471	8551.
#2	51280.	16.90	2.382	518.2	3.523	8530.
#3	50700.	18.00	2.422	516.7	3.581	8512.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0411	30.07	74.59	44.02	55000.	3105.
Stddev	.0422	.16	.21	.35	111.	18.
%RSD	102.8	.5213	.2840	.7890	.2020	.5782

#1	-.0327	30.15	74.42	44.32	55130.	3085.
#2	-.0037	29.89	74.83	44.11	54960.	3119.
#3	-.0869	30.18	74.53	43.64	54920.	3112.

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	6217.	3478.	384.7	41.09	244.6	.7103
Stddev	8.	5.	15.3	.33	1.8	1.458
%RSD	.1361	.1524	3.980	.7994	.7417	205.2

#1	6223.	3484.	375.1	40.73	242.9	.4226
#2	6221.	3477.	402.3	41.37	244.4	-.5821
#3	6208.	3474.	376.6	41.16	246.5	2.290

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

Sample Name: 460-111411-D-1-A@4 Acquired: 4/5/2016 21:51:12 Type: Unk
Method: sw03182016(v22) 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	-.0646	.0115	90.70	144.9	8.407	2.347
Stddev	2.294	.9547	.74	.5	.327	.265
%RSD	3552.	8322.	.8159	.3514	3.885	11.27
#1	.6182	1.047	91.44	144.4	8.041	2.355
#2	-2.623	-.8336	89.96	144.9	8.669	2.079
#3	1.811	-.1791	90.72	145.4	8.511	2.608

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	26.68	100.6	891.8	785.6
Stddev	.93	.0	.2	20.1
%RSD	3.500	.0475	.0267	2.562
#1	27.41	100.7	891.9	767.2
#2	25.63	100.6	891.6	782.6
#3	27.01	100.6	892.1	807.1

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	3565.0	40613.	6142.0
Stddev	10.0	255.	98.9
%RSD	.28117	.62866	1.6096
#1	3558.3	40361.	6036.0
#2	3560.1	40607.	6158.2
#3	3576.5	40872.	6231.7

Sample Name: 460-111411-D-5-A@4 Acquired: 4/5/2016 22:07:47 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27370.	27.03	2.537	150.0	1.916	1810.
Stddev	157.	3.37	.315	.6	.054	8.
%RSD	.5718	12.47	12.40	.3680	2.811	.4456

#1	27480.	24.18	2.177	149.3	1.960	1801.
#2	27190.	26.17	2.677	150.1	1.932	1811.
#3	27440.	30.75	2.758	150.4	1.856	1817.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1736	28.71	75.09	22.82	68800.	2377.
Stddev	.2143	.09	.46	.40	117.	13.
%RSD	123.4	.2988	.6160	1.756	.1705	.5573

#1	-.2533	28.63	74.62	22.85	68740.	2392.
#2	.0691	28.80	75.09	23.21	68730.	2369.
#3	-.3367	28.70	75.55	22.41	68940.	2369.

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	6383.	1115.	156.9	37.34	27.50	.0537
Stddev	34.	2.	2.1	.21	.59	.3598
%RSD	.5263	.2070	1.366	.5667	2.158	669.9

#1	6344.	1113.	159.1	37.10	27.04	.4512
#2	6403.	1117.	154.8	37.44	28.17	-.0403
#3	6401.	1115.	156.9	37.49	27.29	-.2498

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

Sample Name: 460-111411-D-5-A@4 Acquired: 4/5/2016 22:07:47 Type: Unk
Method: sw03182016(v22) 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	3.790	-.5154	58.39	96.35	-.8001	3.028
Stddev	1.626	.2430	.36	.32	.4565	.109
%RSD	42.90	47.15	.6160	.3292	57.05	3.587
#1	1.995	-.3254	57.98	96.02	-1.233	3.128
#2	5.164	-.7893	58.65	96.65	-.3232	2.913
#3	4.210	-.4316	58.54	96.38	-.8440	3.043

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.43	21.56	714.0	754.5
Stddev	.26	.18	1.4	14.0
%RSD	1.971	.8229	.1993	1.859
#1	13.66	21.64	713.0	738.6
#2	13.50	21.36	713.4	765.1
#3	13.14	21.69	715.6	759.7

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	3304.1	37767.	5703.9
Stddev	3.8	96.	49.6
%RSD	.11491	.25508	.86966
#1	3308.2	37811.	5680.6
#2	3300.7	37656.	5760.9
#3	3303.2	37833.	5670.2

Sample Name: CCVL Acquired: 4/5/2016 22:20:25 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	219.4	11.47	9.483	191.3	1.990	4739.
Stddev	12.3	.71	.254	.6	.090	13.
%RSD	5.591	6.169	2.681	.3164	4.550	.2820
#1	218.3	10.68	9.203	190.7	2.003	4755.
#2	207.7	11.69	9.699	191.8	1.893	4732.
#3	232.1	12.05	9.546	191.6	2.072	4731.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.974	49.32	9.645	25.30	153.4	4612.
Stddev	.064	.18	.323	.29	3.4	27.
%RSD	1.602	.3641	3.346	1.138	2.208	.5847
#1	3.919	49.14	9.964	25.30	151.2	4617.
#2	3.958	49.50	9.653	25.59	157.3	4637.
#3	4.044	49.31	9.319	25.01	151.8	4583.

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	4574.	15.41	4774.	39.36	10.93	15.26
Stddev	14.	.07	8.	.30	1.31	.96
%RSD	.3142	.4568	.1638	.7700	11.97	6.290
#1	4590.	15.34	4768.	39.02	11.20	16.04
#2	4567.	15.41	4783.	39.43	9.506	15.55
#3	4564.	15.48	4773.	39.61	12.08	14.18

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/5/2016 22:20:25 Type: QC
Method: sw03182016(v22) 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	17.18	21.85	46.37	29.94	41.90	18.24
Stddev	2.80	.63	.61	.22	.47	.07
%RSD	16.32	2.867	1.316	.7503	1.113	.3579
#1	16.48	22.57	45.80	29.92	41.70	18.19
#2	20.27	21.57	46.30	29.73	42.44	18.31
#3	14.80	21.42	47.01	30.18	41.57	18.21

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	45.55	19.67	19.85	F 5.302
Stddev	.64	.13	.28	12.55
%RSD	1.399	.6717	1.424	236.7
#1	46.09	19.72	19.65	-3.956
#2	44.85	19.52	19.73	.2737
#3	45.70	19.76	20.17	19.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3265.6	37384.	5571.9
Stddev	18.7	143.	10.1
%RSD	.57217	.38155	.18100
#1	3281.4	37250.	5579.7
#2	3270.4	37534.	5560.5
#3	3245.0	37370.	5575.5

Sample Name: 460-111411-D-2-A@4 Acquired: 4/5/2016 21:55:22 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	69810.	26.94	3.684	255.5	3.857	7422.
Stddev	253.	1.13	.194	.5	.106	35.
%RSD	.3622	4.200	5.260	.2068	2.756	.4735

#1	70090.	26.92	3.644	255.8	3.967	7461.
#2	69750.	25.82	3.513	254.8	3.754	7412.
#3	69590.	28.08	3.895	255.7	3.850	7393.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2991	44.49	151.4	39.02	118600.	5659.
Stddev	.0869	.11	.4	.43	175.	14.
%RSD	29.04	.2557	.2500	1.102	.1478	.2456

#1	-.2960	44.37	151.0	38.62	118800.	5666.
#2	-.3875	44.50	151.5	39.47	118700.	5643.
#3	-.2138	44.59	151.8	38.97	118500.	5668.

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	14520.	1553.	589.7	73.20	62.05	-.6821
Stddev	76.	5.	2.5	.65	1.10	.5747
%RSD	.5264	.3512	.4166	.8908	1.779	84.25

#1	14610.	1558.	586.9	73.42	63.33	-.3094
#2	14500.	1555.	591.4	72.46	61.45	-1.344
#3	14460.	1547.	590.7	73.71	61.38	-.3929

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

Sample Name: 460-111411-D-2-A@4 Acquired: 4/5/2016 21:55:22 Type: Unk
Method: sw03182016(v22) 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	5.391	-2.623	142.0	252.0	7.224	4.223
Stddev	4.280	.965	.2	1.0	.406	.097
%RSD	79.39	36.77	.1593	.3984	5.626	2.306
#1	8.908	-1.957	141.8	252.0	7.674	4.111
#2	6.638	-3.729	142.1	251.0	6.882	4.286
#3	.6260	-2.183	142.2	253.0	7.117	4.273

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	17.00	62.99	1151.	1036.
Stddev	.64	.08	1.	4.
%RSD	3.779	.1236	.0603	.3604
#1	16.32	62.92	1151.	1040.
#2	17.10	63.08	1151.	1034.
#3	17.60	62.98	1150.	1033.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3436.2	39449.	5986.3
Stddev	14.2	328.	84.6
%RSD	.41340	.83177	1.4134
#1	3420.2	39081.	5888.6
#2	3441.2	39558.	6032.3
#3	3447.2	39709.	6037.9

Sample Name: 460-111160-D-1-C@4 Acquired: 4/5/2016 22:37:12 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	80760.	47.03	4.847	320.3	3.387	8614.
Stddev	550.	.96	.483	.7	.063	18.
%RSD	.6811	2.039	9.969	.2341	1.850	.2106

#1	81390.	47.36	5.334	321.1	3.454	8620.
#2	80520.	47.78	4.839	320.3	3.329	8629.
#3	80370.	45.95	4.367	319.6	3.379	8594.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.607	40.76	224.9	137.2	139800.	12620.
Stddev	.122	.37	1.7	.3	131.	67.
%RSD	3.379	.8999	.7432	.2199	.0934	.5284

#1	3.470	41.19	223.0	136.9	139700.	12700.
#2	3.651	40.57	225.9	137.5	140000.	12580.
#3	3.701	40.53	225.9	137.1	139900.	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	22900.	3080.	2908.	122.3	194.8	-.1141
Stddev	16.	6.	19.	1.1	1.6	1.263
%RSD	.0697	.1981	.6492	.8876	.8143	1106.

#1	22910.	3085.	2930.	121.8	194.7	1.330
#2	22910.	3081.	2895.	121.5	193.2	-.6630
#3	22880.	3073.	2900.	123.5	196.4	-1.010

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

Sample Name: 460-111160-D-1-C@4 Acquired: 4/5/2016 22:37:12 Type: Unk
Method: sw03182016(v22) 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	5.493	-3.653	199.1	1051.	28.52	2.863
Stddev	3.086	.546	.9	3.	.40	.120
%RSD	56.17	14.96	.4608	.2446	1.400	4.191
#1	4.259	-3.433	198.1	1051.	28.87	2.805
#2	9.005	-3.251	200.0	1048.	28.09	2.783
#3	3.216	-4.275	199.2	1054.	28.61	3.001

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	11.41	130.3	2936.	1100.
Stddev	.15	1.3	6.	16.
%RSD	1.352	.9594	.1988	1.496
#1	11.32	131.7	2930.	1085.
#2	11.33	129.4	2937.	1117.
#3	11.59	129.8	2941.	1099.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3503.8	39764.	6099.1
Stddev	9.5	143.	82.8
%RSD	.27031	.35993	1.3577
#1	3493.2	39622.	6006.2
#2	3511.5	39762.	6125.7
#3	3506.7	39908.	6165.3

Sample Name: 460-111160-A-1-A MS Acquired: 4/5/2016 22:45:31 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	98580.	835.2	25.93	1181.	25.16	17920.
Stddev	298.	4.3	.35	2.	.08	11.
%RSD	.3019	.5207	1.363	.1686	.3087	.0603

#1	98900.	840.2	25.63	1182.	25.09	17930.
#2	98320.	832.1	25.83	1179.	25.24	17910.
#3	98520.	833.5	26.32	1182.	25.16	17920.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.38	256.3	333.1	240.1	161000.	22210.
Stddev	.15	.4	1.7	1.0	507.	125.
%RSD	.5954	.1514	.5242	.4132	.3150	.5612

#1	24.52	256.4	332.6	240.5	160600.	22340.
#2	24.41	256.5	335.0	240.9	160800.	22200.
#3	24.23	255.8	331.6	239.0	161600.	22090.

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	33330.	3504.	11800.	339.8	429.5	63.27
Stddev	75.	6.	54.	.9	1.7	.33
%RSD	.2248	.1674	.4552	.2585	.4053	.5242

#1	33370.	3511.	11850.	339.3	430.2	63.27
#2	33360.	3500.	11740.	340.8	427.5	63.60
#3	33240.	3502.	11810.	339.3	430.7	62.93

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

Sample Name: 460-111160-A-1-A MS Acquired: 4/5/2016 22:45:31 Type: Unk
Method: sw03182016(v22) 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	774.0	851.3	443.8	1336.	222.3	194.2
Stddev	4.0	9.1	1.0	2.	.6	.4
%RSD	.5112	1.065	.2288	.1852	.2786	.2134
#1	771.9	853.5	443.3	1334.	222.9	194.7
#2	771.5	841.4	445.0	1336.	222.1	193.9
#3	778.5	859.1	443.2	1339.	221.7	194.0

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	201.4	362.6	3666.	1250.
Stddev	.9	2.6	3.	22.
%RSD	.4524	.7195	.0879	1.727
#1	202.4	365.5	3663.	1239.
#2	200.7	361.4	3665.	1235.
#3	201.0	360.7	3669.	1274.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3505.6	39581.	6172.0
Stddev	3.2	12.	30.6
%RSD	.09246	.03121	.49646
#1	3503.4	39567.	6139.5
#2	3504.1	39586.	6176.0
#3	3509.4	39590.	6200.4

Sample Name: 460-111411-D-3-A@4 Acquired: 4/5/2016 21:59:29 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	68260.	28.63	3.604	195.6	3.020	7753.
Stddev	223.	.74	.463	.0	.056	62.
%RSD	.3267	2.577	12.85	.0233	1.850	.7944
#1	68410.	27.88	3.072	195.5	2.965	7733.
#2	68010.	28.66	3.918	195.6	3.018	7703.
#3	68370.	29.36	3.822	195.6	3.076	7822.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5396	19.94	174.5	44.95	123000.	5167.
Stddev	.0816	.22	.5	.45	519.	3.
%RSD	15.12	1.119	.2828	1.003	.4218	.0632
#1	-.4479	19.80	174.4	45.31	122700.	5165.
#2	-.5667	19.83	174.0	44.45	122600.	5171.
#3	-.6042	20.20	175.0	45.10	123600.	5166.

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	11660.	492.2	352.9	50.58	45.25	.6362
Stddev	43.	2.5	1.3	.37	1.43	1.181
%RSD	.3677	.4992	.3567	.7387	3.170	185.6
#1	11650.	492.1	353.9	50.99	46.51	-.4829
#2	11620.	489.8	353.3	50.49	45.55	1.870
#3	11700.	494.7	351.5	50.26	43.69	.5213

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

Sample Name: 460-111411-D-3-A@4 Acquired: 4/5/2016 21:59:29 Type: Unk
Method: sw03182016(v22) 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	4.869	-3.097	178.5	164.7	15.21	3.607
Stddev	1.748	1.158	.8	.9	.58	.142
%RSD	35.90	37.41	.4359	.5477	3.801	3.936
#1	5.623	-1.837	177.7	163.8	15.78	3.543
#2	2.871	-3.335	178.4	164.7	14.63	3.770
#3	6.114	-4.117	179.3	165.6	15.23	3.508

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	14.35	57.07	2260.	845.9
Stddev	.25	.12	4.	18.2
%RSD	1.709	.2093	.1676	2.153
#1	14.34	57.04	2256.	842.2
#2	14.59	57.20	2260.	865.7
#3	14.10	56.96	2264.	829.9

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	3423.1	39212.	5992.6
Stddev	3.2	286.	100.5
%RSD	.09264	.72924	1.6766
#1	3422.7	39116.	5914.8
#2	3420.2	39534.	6106.0
#3	3426.5	38986.	5956.9

Sample Name: 460-111160-C-12-B@4 Acquired: 4/5/2016 23:01:50 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54960.	22.24	3.064	165.3	2.504	8942.
Stddev	173.	1.41	.209	.5	.073	58.
%RSD	.3152	6.357	6.830	.3104	2.911	.6455

#1	55150.	21.38	2.830	165.6	2.488	9004.
#2	54840.	23.87	3.232	165.6	2.584	8934.
#3	54880.	21.46	3.130	164.7	2.441	8889.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1587	30.24	132.6	25.79	94470.	9256.
Stddev	.0133	.22	.6	.44	384.	29.
%RSD	8.390	.7163	.4779	1.705	.4063	.3161

#1	.1633	30.00	133.3	26.09	94890.	9290.
#2	.1691	30.29	132.1	25.99	94400.	9240.
#3	.1437	30.43	132.3	25.28	94130.	9238.

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	21060.	2524.	4970.	72.09	32.39	-.2036
Stddev	136.	12.	7.	.27	.29	1.480
%RSD	.6466	.4745	.1357	.3798	.9035	726.7

#1	21210.	2536.	4978.	72.29	32.30	-1.345
#2	21040.	2523.	4966.	71.78	32.72	1.468
#3	20940.	2512.	4966.	72.19	32.16	-.7337

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

Sample Name: 460-111160-C-12-B@4 Acquired: 4/5/2016 23:01:50 Type: Unk
Method: sw03182016(v22) 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	7.152	-2.548	123.6	200.9	32.83	1.041
Stddev	3.119	.774	.4	.3	.28	.326
%RSD	43.61	30.38	.3078	.1376	.8494	31.35
#1	4.281	-1.987	123.8	201.3	33.05	1.392
#2	10.47	-2.226	123.9	200.7	32.93	.9826
#3	6.704	-3.431	123.2	200.8	32.52	.7472

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.270	80.08	2459.	847.3
Stddev	.275	.24	5.	2.3
%RSD	4.384	.3020	.2172	.2728
#1	6.543	80.31	2465.	847.3
#2	5.994	80.11	2457.	845.0
#3	6.273	79.82	2456.	849.6

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	3382.1	38597.	5765.9
Stddev	5.8	342.	64.1
%RSD	.17213	.88550	1.1115
#1	3375.5	38207.	5704.3
#2	3384.3	38741.	5832.2
#3	3386.5	38843.	5761.3

Sample Name: CCB Acquired: 4/5/2016 23:10:03 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3098	2.259	.2553	2.994	-.0395	18.17
Stddev	3.809	2.309	.5343	4.963	.0651	1.91
%RSD	1229.	102.2	209.3	165.8	165.0	10.50
#1	-3.930	2.098	.7022	.2045	-.0954	20.36
#2	1.416	.0352	.4002	.0529	-.0549	16.83
#3	3.443	4.644	-.3365	8.723	.0320	17.34

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4478	.7358	-.1552	3.336	-.7024	-9.489
Stddev	.6695	1.318	.4933	.711	5.778	17.11
%RSD	149.5	179.2	317.7	21.32	822.7	180.3
#1	.0566	-.0861	.3845	4.047	-4.193	-28.05
#2	.0660	.0370	-.2674	3.337	5.968	5.659
#3	1.221	2.257	-.5827	2.625	-3.882	-6.075

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	1.109	.1873	-19.40	.9967	1.940	.7717
Stddev	1.313	.1878	7.92	1.137	4.148	1.209
%RSD	118.5	100.3	40.82	114.0	213.8	156.7
#1	.5878	.4033	-11.81	-.0308	-.8606	1.390
#2	2.602	.0961	-18.76	.8033	-.0236	-.6219
#3	.1356	.0626	-27.61	2.218	6.705	1.547

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

Sample Name: CCB Acquired: 4/5/2016 23:10:03 Type: QC
Method: sw03182016(v22) 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	-3.284	2.651	.1475	.9061	-2.550	1.154
Stddev	.802	1.540	.1886	1.350	.402	1.148
%RSD	24.43	58.09	127.8	149.0	15.78	99.51

#1	-3.287	2.878	-.0357	.1566	-2.614	.7448
#2	-4.085	1.010	.1372	.0974	-2.918	.2662
#3	-2.481	4.065	.3411	2.464	-2.120	2.451

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0219	-.0267	.4768	-3.527
Stddev	.6403	.0242	.2670	17.24
%RSD	2924.	90.77	56.00	488.7

#1	-.0825	-.0458	.7811	11.51
#2	-.5598	-.0349	.2821	-22.34
#3	.7079	.0006	.3672	.2419

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	3265.0	37063.	5455.2
Stddev	7.0	13.	20.6
%RSD	.21493	.03553	.37813

#1	3266.1	37076.	5431.7
#2	3257.5	37049.	5463.6
#3	3271.5	37065.	5470.3

Sample Name: 460-111411-D-4-A@4 Acquired: 4/5/2016 22:03:37 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36060.	17.12	2.779	170.9	2.042	1758.
Stddev	138.	2.22	.380	.2	.072	3.
%RSD	.3818	12.98	13.69	.1201	3.521	.1656

#1	35970.	15.63	2.943	170.7	1.964	1755.
#2	35990.	16.07	3.050	171.1	2.057	1759.
#3	36220.	19.68	2.344	171.0	2.105	1761.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2621	70.24	96.48	65.34	71090.	4860.
Stddev	.1077	.15	1.06	.36	257.	30.
%RSD	41.12	.2131	1.102	.5489	.3617	.6163

#1	-.3746	70.13	97.65	65.26	71160.	4825.
#2	-.2518	70.18	96.23	65.03	71300.	4877.
#3	-.1598	70.41	95.56	65.73	70800.	4877.

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.	2813.	232.3	64.08	38.98	.5310
Stddev	56.	9.	8.2	.18	.36	1.187
%RSD	.5533	.3364	3.534	.2816	.9334	223.6

#1	10060.	2814.	224.2	64.23	39.19	-.7330
#2	10100.	2822.	240.6	63.88	39.20	.7034
#3	9987.	2804.	232.1	64.14	38.56	1.623

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

Sample Name: 460-111411-D-4-A@4 Acquired: 4/5/2016 22:03:37 Type: Unk
Method: sw03182016(v22) 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	1.818	-.8467	114.8	157.7	-1.269	2.014
Stddev	2.853	1.284	.2	.4	.264	.111
%RSD	156.9	151.7	.1853	.2398	20.76	5.485
#1	4.302	-.9362	114.9	157.9	-1.361	2.029
#2	-1.298	.4799	114.6	158.0	-.9723	1.896
#3	2.450	-2.084	114.9	157.3	-1.475	2.116

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	14.54	15.27	1280.	761.4
Stddev	.14	.14	2.	7.1
%RSD	.9436	.9105	.1888	.9316
#1	14.47	15.14	1278.	754.2
#2	14.45	15.42	1283.	761.6
#3	14.69	15.25	1280.	768.4

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	3384.6	38514.	5806.8
Stddev	2.2	144.	47.9
%RSD	.06566	.37439	.82525
#1	3382.1	38374.	5753.0
#2	3385.3	38508.	5822.6
#3	3386.4	38662.	5844.8

Sample Name: 460-111160-D-22-A@4 Acquired: 4/5/2016 23:22:51 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	71510.	24.14	3.515	187.8	3.339	7567.
Stddev	584.	.88	.375	.6	.091	60.
%RSD	.8165	3.639	10.66	.3229	2.742	.7869
#1	71550.	25.05	3.403	187.2	3.434	7505.
#2	70910.	23.30	3.208	187.7	3.251	7574.
#3	72070.	24.07	3.933	188.4	3.331	7623.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0338	36.71	169.6	34.51	104900.	11700.
Stddev	.0456	.23	1.2	.11	711.	88.
%RSD	134.9	.6266	.6783	.3154	.6780	.7508
#1	.0399	36.87	168.3	34.39	104100.	11720.
#2	.0760	36.45	170.2	34.57	104900.	11600.
#3	-.0145	36.81	170.3	34.58	105600.	11770.

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	23520.	1013.	3904.	91.14	63.06	-.0491
Stddev	105.	7.	27.	.38	1.80	.8814
%RSD	.4478	.6775	.7040	.4168	2.852	1794.
#1	23410.	1006.	3897.	91.55	63.94	-.4245
#2	23560.	1014.	3881.	90.80	60.99	.9578
#3	23610.	1020.	3934.	91.06	64.26	-.6807

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

Sample Name: 460-111160-D-22-A@4 Acquired: 4/5/2016 23:22:51 Type: Unk
Method: sw03182016(v22) 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	5.919	-2.156	160.0	309.0	29.99	1.509
Stddev	1.488	2.336	1.1	1.2	.18	.215
%RSD	25.14	108.4	.7019	.3945	.6076	14.27
#1	4.283	-2.079	159.8	307.7	29.79	1.757
#2	7.191	.1405	161.2	309.2	30.02	1.385
#3	6.284	-4.529	159.0	310.1	30.15	1.384

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.668	82.89	2990.	934.7
Stddev	.162	.42	10.	10.0
%RSD	2.424	.5041	.3225	1.066
#1	6.701	82.72	2984.	926.0
#2	6.492	82.58	2986.	945.6
#3	6.811	83.36	3001.	932.4

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	3477.5	39406.	6001.5
Stddev	13.2	139.	38.8
%RSD	.37975	.35281	.64649
#1	3480.5	39525.	5987.1
#2	3488.9	39439.	6045.5
#3	3463.1	39253.	5972.0

Sample Name: 460-111160-C-27-B@4 Acquired: 4/5/2016 23:31:12 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	81200.	53.09	5.340	239.8	4.012	7479.
Stddev	196.	1.13	.218	.7	.080	24.
%RSD	.2419	2.120	4.080	.2888	1.982	.3241

#1	80980.	51.90	5.202	240.6	4.104	7481.
#2	81240.	54.14	5.226	239.3	3.959	7453.
#3	81370.	53.22	5.591	239.5	3.975	7502.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5205	41.26	176.7	38.48	164500.	11120.
Stddev	.1573	.31	.2	.33	518.	11.
%RSD	30.23	.7416	.1246	.8491	.3149	.1030

#1	-.6801	41.61	176.5	38.18	163900.	11110.
#2	-.3655	41.12	176.9	38.44	164700.	11120.
#3	-.5159	41.04	176.6	38.83	164900.	11140.

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	24580.	1107.	4337.	94.27	57.39	-.7752
Stddev	84.	3.	10.	.68	.40	.8342
%RSD	.3438	.2739	.2353	.7198	.7056	107.6

#1	24610.	1109.	4326.	94.55	57.34	-.1318
#2	24480.	1104.	4346.	93.50	57.01	-.4761
#3	24640.	1108.	4340.	94.76	57.81	-1.718

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

Sample Name: 460-111160-C-27-B@4 Acquired: 4/5/2016 23:31:12 Type: Unk
Method: sw03182016(v22) 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	12.11	-3.295	180.7	279.7	30.46	2.481
Stddev	2.94	1.140	1.3	.5	.54	.139
%RSD	24.30	34.61	.7425	.1789	1.762	5.612
#1	9.321	-4.611	180.1	280.1	30.51	2.640
#2	11.82	-2.657	182.2	279.8	29.91	2.381
#3	15.19	-2.616	179.7	279.1	30.98	2.421

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	8.003	87.02	2693.	960.5
Stddev	.267	.12	5.	11.5
%RSD	3.335	.1396	.1933	1.195
#1	7.745	86.93	2687.	947.5
#2	8.278	87.16	2697.	969.1
#3	7.987	86.98	2696.	964.9

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	3393.2	39278.	5823.4
Stddev	1.1	90.	23.4
%RSD	.03319	.22825	.40185
#1	3393.8	39290.	5796.4
#2	3391.9	39362.	5836.5
#3	3394.0	39183.	5837.4

Sample Name: 460-110936-C-2-D@4 Acquired: 4/5/2016 23:39:32 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51120.	63.35	4.271	214.2	2.993	5919.
Stddev	305.	2.51	.173	.6	.029	29.
%RSD	.5967	3.958	4.057	.3025	.9622	.4881

#1	50800.	65.24	4.173	214.7	3.015	5899.
#2	51410.	60.51	4.471	214.6	2.960	5905.
#3	51170.	64.31	4.168	213.5	3.002	5952.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9016	44.33	205.5	122.7	97060.	7373.
Stddev	.1300	.26	.2	.6	202.	11.
%RSD	14.42	.5961	.1102	.5010	.2083	.1489

#1	.9967	44.48	205.5	122.2	97050.	7375.
#2	.9546	44.49	205.3	122.5	96870.	7383.
#3	.7535	44.03	205.7	123.4	97270.	7361.

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	13840.	2123.	340.4	65.19	267.1	.3260
Stddev	46.	10.	10.7	.78	1.0	1.682
%RSD	.3315	.4773	3.136	1.204	.3691	516.0

#1	13790.	2115.	331.9	66.01	267.8	1.704
#2	13850.	2119.	352.4	64.44	267.5	-1.549
#3	13880.	2134.	336.9	65.12	266.0	.8224

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

Sample Name: 460-110936-C-2-D@4 Acquired: 4/5/2016 23:39:32 Type: Unk
Method: sw03182016(v22) 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	5.114	-1.056	150.3	599.0	16.98	2.624
Stddev	1.172	1.696	1.1	1.2	.43	.257
%RSD	22.91	160.6	.7285	.1957	2.560	9.788
#1	3.813	-2.586	151.4	600.2	17.47	2.701
#2	5.443	-1.350	149.3	598.9	16.65	2.337
#3	6.087	.7671	150.3	597.9	16.82	2.833

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	17.16	47.77	1922.	781.7
Stddev	.82	.13	1.	3.5
%RSD	4.751	.2729	.0648	.4472
#1	17.55	47.62	1922.	783.3
#2	16.22	47.85	1921.	784.0
#3	17.71	47.84	1924.	777.7

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	3418.0	38904.	5834.5
Stddev	20.4	103.	54.1
%RSD	.59608	.26465	.92793
#1	3394.7	38787.	5850.8
#2	3426.5	38980.	5774.0
#3	3432.7	38944.	5878.5

Sample Name: CCV Acquired: 4/5/2016 22:12:01 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	116600.	2267.	1146.	9103.	930.8	116400.
Stddev	2357.	45.	26.	183.	17.3	2864.
%RSD	2.022	2.005	2.258	2.007	1.855	2.460

#1	117900.	2311.	1161.	9286.	942.1	118300.
#2	118000.	2270.	1160.	9102.	939.4	117800.
#3	113900.	2221.	1116.	8921.	910.9	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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1146.	2290.	4605.	11330.	93180.	46370.
Stddev	21.	43.	107.	245.	2047.	967.
%RSD	1.850	1.899	2.319	2.166	2.197	2.085

#1	1167.	2333.	4676.	11460.	94480.	46970.
#2	1145.	2291.	4658.	11480.	94240.	46890.
#3	1125.	2246.	4482.	11040.	90820.	45260.

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	114800.	4710.	118200.	2273.	6795.	896.6
Stddev	2874.	118.	2490.	47.	136.	19.7
%RSD	2.504	2.507	2.107	2.065	2.004	2.197

#1	116700.	4789.	119700.	2320.	6929.	915.7
#2	116200.	4766.	119400.	2271.	6799.	897.7
#3	111500.	4574.	115300.	2226.	6657.	876.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/5/2016 22:12:01 Type: QC
Method: sw03182016(v22) 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	2244.	2321.	2297.	2343.	F 889.8	2267.
Stddev	41.	35.	43.	39.	17.7	44.
%RSD	1.839	1.518	1.851	1.669	1.985	1.946
#1	2286.	2362.	2322.	2382.	907.4	2310.
#2	2242.	2300.	2322.	2344.	890.0	2267.
#3	2203.	2301.	2248.	2303.	872.1	2222.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					1000.	
Range					-10.50%	

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	909.1	4710.	9357.	8523.
Stddev	14.7	116.	185.	162.
%RSD	1.616	2.467	1.980	1.895
#1	923.9	4789.	9505.	8658.
#2	908.9	4764.	9417.	8568.
#3	894.5	4576.	9150.	8344.

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	3030.7	34812.	5452.3
Stddev	41.9	553.	53.8
%RSD	1.3841	1.5897	.98660
#1	2986.4	34396.	5419.7
#2	3036.0	34600.	5422.7
#3	3069.8	35440.	5514.4

Sample Name: 460-110936-C-4-B@4 Acquired: 4/5/2016 23:43:42 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32430.	15.90	2.065	102.5	1.379	812.0
Stddev	196.	1.30	.076	.3	.017	5.2
%RSD	.6051	8.146	3.705	.2607	1.212	.6449
#1	32590.	17.37	2.041	102.7	1.370	810.5
#2	32490.	15.41	2.003	102.7	1.398	807.8
#3	32210.	14.93	2.150	102.2	1.368	817.9

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2737	26.28	75.68	24.77	59830.	5272.
Stddev	.1470	.05	.23	1.14	317.	55.
%RSD	53.70	.1957	.3026	4.613	.5296	1.049
#1	-.1559	26.33	75.88	24.07	59520.	5263.
#2	-.4385	26.23	75.72	24.14	59830.	5332.
#3	-.2268	26.28	75.43	26.09	60150.	5222.

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	6358.	424.3	362.2	42.10	23.46	.2080
Stddev	5.	2.9	4.0	.50	.29	.9489
%RSD	.0720	.6803	1.116	1.183	1.239	456.2
#1	6353.	421.5	361.7	42.65	23.51	-.8617
#2	6357.	424.0	366.4	41.67	23.73	.9483
#3	6362.	427.3	358.4	41.98	23.15	.5374

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

Sample Name: 460-110936-C-4-B@4 Acquired: 4/5/2016 23:43:42 Type: Unk
Method: sw03182016(v22) 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	.1761	.8990	106.3	107.9	-.6083	1.914
Stddev	2.358	1.688	.4	.1	.2364	.082
%RSD	1339.	187.7	.3361	.0610	38.87	4.266

#1	.5489	-.9543	106.3	108.0	-.8052	1.878
#2	-2.346	1.304	105.9	108.0	-.3461	1.856
#3	2.325	2.347	106.6	107.8	-.6736	2.007

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.773	11.53	1755.	773.6
Stddev	.228	.15	1.	5.6
%RSD	4.780	1.323	.0532	.7297

#1	5.020	11.62	1755.	776.0
#2	4.731	11.60	1756.	777.7
#3	4.569	11.35	1754.	767.2

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	3340.7	37634.	5670.9
Stddev	13.0	365.	54.1
%RSD	.39047	.97097	.95483

#1	3331.6	37890.	5615.2
#2	3334.9	37797.	5674.2
#3	3355.7	37216.	5723.3

Sample Name: 460-110936-D-28-E@4 Acquired: 4/5/2016 23:56:18 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38620.	19.65	2.264	153.5	2.320	2379.
Stddev	139.	1.24	.192	.2	.036	5.
%RSD	.3587	6.322	8.457	.1519	1.544	.1934
#1	38620.	18.33	2.043	153.6	2.331	2384.
#2	38480.	20.80	2.369	153.2	2.280	2380.
#3	38760.	19.81	2.380	153.6	2.348	2374.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3005	25.38	89.64	39.47	65070.	3440.
Stddev	.0131	.27	.83	.43	142.	20.
%RSD	4.365	1.064	.9284	1.084	.2187	.5742
#1	.3138	25.11	89.38	39.03	64920.	3450.
#2	.2875	25.39	90.57	39.89	65110.	3417.
#3	.3003	25.65	88.97	39.48	65190.	3453.

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	6956.	1135.	118.7	49.49	88.59	-.3247
Stddev	15.	3.	5.4	.01	.58	.4053
%RSD	.2212	.3067	4.577	.0274	.6528	124.8
#1	6972.	1132.	121.1	49.50	89.06	-.7369
#2	6954.	1133.	112.5	49.48	88.77	-.3105
#3	6941.	1139.	122.5	49.49	87.94	.0733

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

Sample Name: 460-110936-D-28-E@4 Acquired: 4/5/2016 23:56:18 Type: Unk
Method: sw03182016(v22) 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	4324	-1.270	100.7	247.5	2.952	1.528
Stddev	2.695	1.852	.4	1.4	.333	.330
%RSD	623.3	145.8	.4277	.5829	11.27	21.56
#1	2.715	-.8465	100.3	246.2	3.173	1.800
#2	1.124	-3.298	100.6	247.3	2.570	1.162
#3	-2.542	.3330	101.1	249.0	3.114	1.624

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	7.236	26.23	1207.	818.0
Stddev	.414	.19	2.	19.3
%RSD	5.715	.7399	.1589	2.356
#1	7.121	26.25	1205.	796.0
#2	6.892	26.02	1207.	831.6
#3	7.695	26.41	1209.	826.5

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	3433.6	39240.	5921.0
Stddev	1.8	152.	73.6
%RSD	.05223	.38642	1.2436
#1	3431.9	39069.	5864.6
#2	3435.5	39357.	6004.3
#3	3433.3	39295.	5894.1

Sample Name: CCB Acquired: 4/5/2016 22:16:04 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.882	.9528	.4308	.2240	-.0553	11.62
Stddev	2.727	1.064	.3053	.3917	.0462	1.14
%RSD	94.61	111.7	70.86	174.9	83.50	9.818

#1	4.085	2.007	.6821	.6761	-.0446	11.05
#2	4.801	-.1212	.0911	.0100	-.0155	12.93
#3	-.2393	.9728	.5193	-.0141	-.1060	10.87

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0601	.1261	.2517	1.535	.3603	-14.98
Stddev	.2110	.3184	.2177	.663	5.574	5.91
%RSD	350.9	252.5	86.48	43.19	1547.	39.43

#1	.3032	.4852	.1375	1.048	-4.505	-8.161
#2	-.0769	-.1216	.1149	2.290	-.8558	-18.40
#3	-.0459	.0147	.5027	1.267	6.442	-18.39

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	1.014	.0705	-15.03	.2911	.8344	-.8209
Stddev	2.680	.0180	3.54	.2889	.8386	.2580
%RSD	264.3	25.51	23.59	99.24	100.5	31.43

#1	3.542	.0544	-12.39	.6221	.2047	-.5797
#2	1.294	.0899	-13.64	.1617	1.786	-1.093
#3	-1.795	.0671	-19.05	.0896	.5121	-.7899

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

Sample Name: CCB Acquired: 4/5/2016 22:16:04 Type: QC
Method: sw03182016(v22) 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	-5.064	1.641	-2.327	.2894	-3.275	.6306
Stddev	1.871	.274	.1935	.1989	.541	.4299
%RSD	36.93	16.70	83.13	68.70	16.51	68.17
#1	-6.945	1.329	-.1705	.4257	-2.849	1.119
#2	-5.043	1.751	-.0780	.3814	-3.093	.3092
#3	-3.205	1.843	-.4497	.0612	-3.883	.4636

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.054	-.1010	.1640	1.455
Stddev	.805	.0835	.0199	6.527
%RSD	76.45	82.67	12.12	448.5
#1	-.8913	-.0811	.1423	1.446
#2	-1.928	-.1927	.1814	-5.067
#3	-.3416	-.0292	.1681	7.987

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	3287.5	38033.	5598.8
Stddev	28.3	478.	14.7
%RSD	.86115	1.2565	.26224
#1	3319.9	38522.	5607.5
#2	3267.2	37567.	5581.8
#3	3275.6	38011.	5606.9

Sample Name: CCV Acquired: 4/6/2016 0:00:36 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 270.4	F 30.54	F .7607	^F *****	F 1.882	F 3.240
Stddev	449.8	42.50	.2124	-----	3.363	7.131
%RSD	166.3	139.2	27.92	-----	178.8	220.1

#1	1.937	9.026	.7375	30.61	-.0046	-.6738
#2	19.65	79.50	.5608	^-----	-.1156	-1.077
#3	789.6	3.103	.9837	.1246	5.765	11.47

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	125000.	2500.	1250.	10000.	1000.	125000.
Range	-10.50%	-10.50%	-10.50%	-10.50%	-10.50%	-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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 16.98	F 33.77	F .0571	F 4.307	F -9.126	F 110.8
Stddev	25.38	51.14	.3924	.601	9.584	160.1
%RSD	149.5	151.4	687.7	13.96	105.0	144.6

#1	4.353	8.379	-.0437	4.882	-15.39	19.40
#2	46.19	92.64	-.2752	3.683	-13.89	17.25
#3	.3873	.3018	.4901	4.358	1.905	295.6

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1250.	2500.	5000.	12500.	100000.	50000.
Range	-10.50%	-10.50%	-10.50%	-10.50%	-10.50%	-10.50%

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 4.352	F .0761	F 209.0	F 32.20	F 97.68	F 9.799
Stddev	6.644	.2631	449.1	49.50	148.7	17.43
%RSD	152.7	345.6	214.9	153.7	152.3	177.9

#1	-.3432	-.1204	-52.24	7.680	24.08	.7289
#2	1.444	-.0263	-48.36	89.17	268.8	29.90
#3	11.95	.3750	727.5	-.2576	.1116	-1.226

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	125000.	5000.	125000.	2500.	7500.	1000.
Range	-10.50%	-10.50%	-10.50%	-10.50%	-10.50%	-10.50%

Sample Name: CCV Acquired: 4/6/2016 0:00:36 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 20.13	F 38.28	F .3392	F 35.95	F 5.174	F 31.03
Stddev	41.40	49.90	.3272	54.82	17.02	47.30
%RSD	205.7	130.4	96.45	152.5	328.9	152.5

#1	-0.8717	14.66	.0506	8.593	-3.625	7.184
#2	67.81	95.60	.6947	99.07	24.79	85.50
#3	-6.561	4.574	.2723	.1970	-5.640	.3903

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2500.	2500.	2500.	2500.	1000.	2500.
Range	-10.50%	-10.50%	-10.50%	-10.50%	-10.50%	-10.50%

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F 10.89	F 9.482	F .2330	-7.953
Stddev	19.69	16.54	.6142	20.19
%RSD	180.8	174.5	263.5	253.9

#1	1.268	-.0909	-.1976	-22.85
#2	33.53	-.0461	-.0396	-16.04
#3	-2.138	28.58	.9363	15.03

Check ?	Chk Fail	Chk Fail	Chk Fail	None
Value	1000.	5000.	10000.	
Range	-10.50%	-10.50%	-10.50%	

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	7904.7	85587.	9245.0
Stddev	634.5	3508.	589.9
%RSD	8.0270	4.0989	6.3803

#1	8604.9	89609.	8629.0
#2	7367.8	83993.	9804.7
#3	7741.5	83159.	9301.3

Sample Name: MB 460-359999/1-A@2 Acquired: 4/5/2016 22:24:42 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.983	.7786	.1575	-.0017	-.0012	13.52
Stddev	6.008	.6278	.0702	.0600	.0182	3.51
%RSD	120.6	80.63	44.58	3509.	1484.	25.95
#1	6.038	1.322	.0900	-.0219	.0123	12.55
#2	10.39	.0911	.2301	-.0490	-.0219	17.42
#3	-1.483	.9232	.1522	.0658	.0059	10.60

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0600	-.0912	-.2974	1.226	4.864	-4.677
Stddev	.1151	.1124	.2322	.208	4.567	21.67
%RSD	191.9	123.3	78.07	16.97	93.89	463.3
#1	.0117	-.2065	-.5282	1.256	.0733	6.570
#2	-.0231	.0182	-.0639	1.005	9.169	9.056
#3	.1913	-.0852	-.3000	1.418	5.351	-29.66

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	1.465	-.0505	-33.82	.3057	-.0342	-1.219
Stddev	3.151	.0119	2.71	.2878	.9579	.167
%RSD	215.1	23.49	7.998	94.14	2800.	13.73
#1	-1.607	-.0370	-35.01	.1484	1.060	-1.318
#2	4.689	-.0592	-35.73	.6379	-.7226	-1.026
#3	1.313	-.0553	-30.73	.1308	-.4397	-1.313

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

Sample Name: MB 460-359999/1-A@2 Acquired: 4/5/2016 22:24:42 Type: Unk
Method: sw03182016(v22) 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	-4.619	-.1972	.0650	.7159	-3.539	-.0369
Stddev	1.270	1.460	.1407	.0555	.401	.1593
%RSD	27.50	740.2	216.3	7.751	11.33	431.7
#1	-3.345	-1.861	-.0835	.7131	-3.806	-.0004
#2	-4.627	.3990	.1962	.7727	-3.078	.1010
#3	-5.884	.8701	.0824	.6619	-3.733	-.2112

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.9291	-.0138	.0898	-10.18
Stddev	.2703	.0673	.1503	14.00
%RSD	29.10	487.4	167.4	137.6
#1	-.6446	.0634	.2583	-13.66
#2	-.9602	-.0597	-.0301	-22.11
#3	-1.183	-.0452	.0411	5.236

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	3253.6	37563.	5458.7
Stddev	15.0	254.	81.8
%RSD	.46012	.67567	1.4984
#1	3236.4	37275.	5368.0
#2	3263.7	37755.	5481.2
#3	3260.8	37659.	5526.9

Sample Name: 460-110936-C-40-D@4 Acquired: 4/6/2016 0:20:42 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	[^] *****	k 4.643	k .4532	89.63	1.042	851.3
Stddev	-----	2.142	1.672	.06	.055	3.5
%RSD	-----	46.13	369.0	.0688	5.234	.4147

#1	[^] -----	k 2.173	k -1.476	89.58	1.007	855.1
#2	28050.	5.765	1.342	89.70	1.013	848.1
#3	28020.	5.991	1.493	89.62	1.105	850.7

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 1.927	23.27	67.57	32.66	k 44410.	k 3741.
Stddev	3.340	.23	.66	.38	80.	41.
%RSD	173.3	.9731	.9718	1.160	.1810	1.094

#1	k 5.784	23.39	66.82	33.04	k 44440.	k 3702.
#2	.0324	23.41	68.06	32.68	44310.	3784.
#3	-.0347	23.01	67.82	32.28	44460.	3739.

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	k 8256.	k 406.3	k 71.07	k 44.35	k 34.86	k .3639
Stddev	36.	1.2	11.29	.57	.58	1.007
%RSD	.4391	.2932	15.88	1.286	1.667	276.8

#1	k 8257.	k 407.6	k 84.09	k 44.97	k 34.48	k .6819
#2	8291.	405.9	65.16	44.24	34.56	-.7639
#3	8219.	405.3	63.97	43.84	35.53	1.174

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

Sample Name: 460-110936-C-40-D@4 Acquired: 4/6/2016 0:20:42 Type: Unk
Method: sw03182016(v22) 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	k -5.395	k -.3563	55.58	k 128.0	k 7.674	k .7243
Stddev	7.760	1.682	.47	.8	.876	.4284
%RSD	143.8	472.1	.8426	.6323	11.41	59.15
#1	k -14.33	k .2727	56.09	k 128.9	k 8.655	k .2301
#2	-1.522	-2.262	55.18	127.7	6.971	.9896
#3	-.3350	.9204	55.45	127.4	7.396	.9532

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	k 4.740	k 14.04	519.6	k 646.3
Stddev	.543	.19	1.5	22.2
%RSD	11.46	1.353	.2882	3.439
#1	k 5.266	k 14.25	518.6	k 620.8
#2	4.771	13.89	518.9	661.6
#3	4.182	13.97	521.3	656.6

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	3280.3	37551.	5566.9
Stddev	15.3	393.	87.9
%RSD	.46666	1.0463	1.5784
#1	3263.7	37099.	5467.3
#2	3294.0	37736.	5599.7
#3	3283.1	37816.	5633.6

Sample Name: 460-110936-D-41-A@4 Acquired: 4/6/2016 0:24:39 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1462.	6.074	.7342	4.125	.0824	2824.
Stddev	4.	1.564	.5491	.036	.0643	20.
%RSD	.2872	25.74	74.79	.8762	78.01	.7070

#1	1460.	6.836	1.321	4.134	.1321	2802.
#2	1467.	4.276	.6481	4.085	.0098	2829.
#3	1459.	7.111	.2332	4.156	.1053	2842.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0276	.2221	12.24	3.623	9410.	102.7
Stddev	.0782	.3307	.27	.318	83.	26.2
%RSD	283.2	148.9	2.203	8.778	.8775	25.51

#1	-.0040	-.1267	12.53	3.944	9319.	80.10
#2	.1166	.2618	12.18	3.308	9482.	96.59
#3	-.0298	.5311	12.00	3.617	9428.	131.4

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	1631.	13.35	3.444	1.094	5.743	-.2019
Stddev	7.	.07	4.705	.032	1.344	1.023
%RSD	.4202	.4982	136.6	2.920	23.39	506.8

#1	1623.	13.29	8.649	1.131	5.409	-.9272
#2	1636.	13.34	2.192	1.081	7.223	.9686
#3	1633.	13.43	-.5069	1.071	4.598	-.6471

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

Sample Name: 460-110936-D-41-A@4 Acquired: 4/6/2016 0:24:39 Type: Unk
Method: sw03182016(v22) 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	-3.006	.0964	10.29	3.526	-3.636	1.055
Stddev	1.537	.7563	.29	.149	.120	.213
%RSD	51.15	784.5	2.782	4.214	3.296	20.16
#1	-1.240	-.3409	10.02	3.688	-3.761	1.083
#2	-3.731	-.3396	10.59	3.396	-3.623	.8301
#3	-4.046	.9697	10.26	3.494	-3.523	1.253

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.199	2.808	158.0	334.4
Stddev	.517	.016	1.1	14.2
%RSD	12.32	.5801	.7170	4.237
#1	4.503	2.812	158.0	327.3
#2	4.493	2.822	156.8	325.2
#3	3.602	2.791	159.1	350.7

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	3266.8	37632.	5484.2
Stddev	15.8	310.	36.7
%RSD	.48258	.82303	.66964
#1	3248.6	37289.	5494.3
#2	3275.8	37719.	5443.5
#3	3275.9	37890.	5514.8

Sample Name: LCSSRM 460-359999/2- Acquired: 4/5/2016 22:29:02 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34050.	427.2	180.4	1416.	312.7	29710.
Stddev	164.	.5	1.5	3.	1.4	116.
%RSD	.4804	.1092	.8515	.2400	.4373	.3917

#1	33940.	427.4	180.6	1418.	312.7	29670.
#2	34240.	427.6	181.8	1418.	314.1	29840.
#3	33980.	426.7	178.8	1412.	311.4	29620.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	686.7	783.4	838.9	475.4	64230.	10960.
Stddev	1.0	2.0	.4	1.3	172.	49.
%RSD	.1521	.2564	.0467	.2833	.2673	.4450

#1	687.1	784.8	839.2	475.9	64060.	10960.
#2	687.6	784.2	838.5	476.3	64410.	11020.
#3	685.6	781.1	839.1	473.8	64240.	10920.

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	11120.	1928.	11930.	721.9	598.1	235.9
Stddev	49.	9.	59.	2.2	1.8	.5
%RSD	.4414	.4426	.4962	.2995	.3011	.1958

#1	11120.	1925.	11890.	723.6	599.5	236.3
#2	11170.	1938.	11990.	722.6	598.6	235.4
#3	11070.	1922.	11890.	719.5	596.1	235.9

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

Sample Name: LCSSRM 460-359999/2- Acquired: 4/5/2016 22:29:02 Type: Unk
Method: sw03182016(v22) 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	670.4	874.4	438.2	915.1	595.7	749.4
Stddev	2.4	4.5	.5	.7	2.0	1.6
%RSD	.3545	.5116	.1223	.0813	.3302	.2150
#1	671.5	871.0	437.6	914.4	597.3	750.4
#2	672.0	879.5	438.6	915.9	596.5	750.3
#3	667.7	872.8	438.4	915.1	593.5	747.6

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	461.3	402.3	1781.	1158.
Stddev	1.4	1.2	.	5.
%RSD	.2986	.3030	.0223	.4366
#1	461.4	400.9	1781.	1158.
#2	462.6	403.3	1781.	1153.
#3	459.8	402.6	1781.	1163.

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	3338.8	38207.	5755.9
Stddev	15.3	143.	34.4
%RSD	.45737	.37411	.59735
#1	3323.9	38124.	5731.3
#2	3338.0	38125.	5741.3
#3	3354.4	38372.	5795.2

Sample Name: MB 460-360214/1-A Acquired: 4/6/2016 0:36:26 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.249	.6627	.2868	-.0826	.0282	17.24
Stddev	9.204	.5348	.0455	.0178	.0820	1.93
%RSD	147.3	80.69	15.88	21.61	290.6	11.17

#1	-7.171	.0551	.3251	-.0824	.0799	18.20
#2	3.382	1.062	.2989	-.0648	-.0664	15.02
#3	-14.96	.8716	.2365	-.1005	.0711	18.50

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0492	-.0309	-.0653	1.836	8.868	-11.78
Stddev	.0770	.1172	.2031	.220	20.62	18.97
%RSD	156.5	379.6	311.0	12.00	232.6	161.0

#1	.0053	-.1504	-.1938	1.589	32.25	-27.99
#2	.0042	-.0260	-.1710	1.910	-6.752	9.080
#3	.1381	.0838	.1689	2.010	1.110	-16.42

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	1.447	.1639	-34.88	.6378	-.8463	-1.226
Stddev	2.336	.2690	3.87	.2213	.4500	.092
%RSD	161.5	164.1	11.10	34.70	53.18	7.529

#1	4.129	.4721	-38.67	.4372	-.9754	-1.139
#2	-.1449	-.0238	-30.93	.6010	-.3459	-1.216
#3	.3567	.0435	-35.05	.8752	-1.218	-1.322

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

Sample Name: MB 460-360214/1-A Acquired: 4/6/2016 0:36:26 Type: QC

Method: sw03182016(v22) 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	-3.672	1.767	-.1422	.7727	-4.058	-.1089
Stddev	2.740	1.425	.1664	.1470	.324	.0747
%RSD	74.61	80.63	117.0	19.02	7.992	68.63

#1	-6.681	.1740	-.2944	.7571	-4.101	-.1909
#2	-3.014	2.920	-.1677	.6341	-4.358	-.0912
#3	-1.321	2.208	.0355	.9268	-3.714	-.0446

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6356	-.1072	.2880	-5.766
Stddev	.8062	.0151	.5993	22.86
%RSD	126.8	14.07	208.1	396.5

#1	-.1912	-.1230	.9791	-4.606
#2	-1.566	-.0930	-.0259	-29.19
#3	-.1495	-.1056	-.0891	16.50

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	3265.6	37419.	5442.9
Stddev	5.7	161.	37.9
%RSD	.17574	.43130	.69609

#1	3269.5	37523.	5456.4
#2	3268.4	37502.	5400.2
#3	3259.0	37233.	5472.2

Sample Name: 460-111160-E-1-A DU Acquired: 4/5/2016 22:33:04 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	80810.	44.82	4.818	318.2	3.333	8522.
Stddev	216.	.75	.270	.3	.049	17.
%RSD	.2672	1.671	5.598	.1074	1.470	.1963

#1	80980.	44.65	4.798	318.0	3.324	8503.
#2	80880.	45.64	5.097	318.6	3.289	8531.
#3	80570.	44.17	4.558	317.9	3.385	8533.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.753	40.51	220.7	136.2	139700.	12590.
Stddev	.085	.16	1.4	.9	160.	5.
%RSD	2.252	.3863	.6172	.6461	.1146	.0429

#1	3.733	40.69	220.5	137.1	139500.	12590.
#2	3.845	40.39	219.5	135.3	139800.	12590.
#3	3.680	40.45	222.2	136.2	139800.	12580.

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	22590.	3061.	2920.	120.6	191.8	-.1520
Stddev	52.	11.	15.	.3	1.8	.5134
%RSD	.2297	.3450	.4969	.2253	.9581	337.7

#1	22530.	3050.	2936.	120.3	189.9	-.0243
#2	22600.	3061.	2917.	120.6	193.5	.2855
#3	22630.	3071.	2908.	120.8	192.2	-.7172

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

Sample Name: 460-111160-E-1-A DU Acquired: 4/5/2016 22:33:04 Type: Unk
Method: sw03182016(v22) 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	8.296	-3.006	197.0	1043.	28.07	2.888
Stddev	1.358	1.670	.3	3.	.71	.299
%RSD	16.37	55.55	.1701	.2979	2.534	10.34
#1	7.273	-4.656	197.4	1041.	28.86	2.703
#2	9.836	-1.317	196.7	1046.	27.87	3.233
#3	7.779	-3.045	197.0	1042.	27.48	2.729

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.27	130.3	2926.	1099.
Stddev	.63	.8	4.	6.
%RSD	6.150	.5965	.1415	.5821
#1	9.753	131.0	2921.	1106.
#2	10.07	130.3	2930.	1098.
#3	10.97	129.5	2927.	1093.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3537.5	40038.	6171.3
Stddev	11.5	126.	5.6
%RSD	.32633	.31513	.09072
#1	3542.8	39967.	6172.5
#2	3524.2	40183.	6165.2
#3	3545.4	39962.	6176.2

Sample Name: sd 460-111160-D-1-C Acquired: 4/5/2016 22:41:19 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16980.	11.71	1.368	67.59	.6846	1824.
Stddev	23.	.43	.201	.04	.1080	10.
%RSD	.1339	3.666	14.69	.0586	15.78	.5234

#1	16970.	12.18	1.426	67.57	.5867	1813.
#2	16970.	11.33	1.144	67.56	.8005	1826.
#3	17010.	11.64	1.533	67.63	.6665	1832.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9627	8.866	46.77	29.99	28950.	2663.
Stddev	.0888	.147	.33	.59	183.	30.
%RSD	9.222	1.658	.7047	1.953	.6324	1.128

#1	1.062	8.842	46.99	29.41	28770.	2665.
#2	.9368	8.733	46.93	30.58	28940.	2692.
#3	.8899	9.024	46.39	30.00	29140.	2632.

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	4910.	646.8	582.9	26.56	42.74	-.6205
Stddev	10.	2.7	4.0	.10	1.03	1.633
%RSD	.1976	.4224	.6800	.3914	2.410	263.1

#1	4900.	644.1	587.1	26.45	43.90	.7635
#2	4909.	646.8	582.4	26.58	41.92	-2.421
#3	4920.	649.6	579.2	26.65	42.41	-.2041

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

Sample Name: sd 460-111160-D-1-C Acquired: 4/5/2016 22:41:19 Type: Unk
Method: sw03182016(v22) 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	.0410	.7639	41.10	227.3	2.899	.5012
Stddev	2.118	1.027	.24	1.2	.664	.1739
%RSD	5164.	134.5	.5872	.5285	22.89	34.70
#1	-1.958	-.2246	40.96	226.4	3.391	.3126
#2	-.1804	.6905	41.38	226.8	2.145	.5356
#3	2.261	1.826	40.95	228.6	3.162	.6554

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.741	27.31	606.8	235.6
Stddev	.680	.14	2.0	10.8
%RSD	39.08	.5233	.3234	4.574
#1	1.303	27.17	605.1	240.4
#2	2.524	27.30	606.3	223.2
#3	1.394	27.46	608.9	243.1

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	3349.5	38397.	5764.2
Stddev	3.4	114.	48.7
%RSD	.10118	.29676	.84547
#1	3347.8	38518.	5728.5
#2	3353.4	38383.	5819.8
#3	3347.2	38292.	5744.5

Sample Name: CCV Acquired: 4/6/2016 0:52:24 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122700.	2305.	1197.	9263.	961.2	119800.
Stddev	578.	1.	7.	17.	2.2	559.
%RSD	.4708	.0377	.5996	.1868	.2325	.4670

#1	122400.	2304.	1189.	9244.	961.9	119700.
#2	122200.	2306.	1200.	9268.	958.8	120400.
#3	123300.	2304.	1202.	9278.	963.1	119200.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1170.	2360.	4641.	11520.	97630.	48100.
Stddev	1.	6.	15.	67.	203.	201.
%RSD	.0968	.2669	.3312	.5792	.2083	.4181

#1	1170.	2353.	4648.	11460.	97540.	48050.
#2	1171.	2361.	4651.	11510.	97860.	47930.
#3	1169.	2366.	4623.	11590.	97480.	48320.

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	116500.	4881.	124900.	2303.	6860.	922.4
Stddev	330.	17.	823.	3.	7.	2.0
%RSD	.2834	.3478	.6585	.1304	.1054	.2143

#1	116400.	4866.	124500.	2307.	6866.	920.1
#2	116900.	4899.	124400.	2301.	6863.	923.4
#3	116300.	4877.	125900.	2301.	6852.	923.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/6/2016 0:52:24 Type: QC
Method: sw03182016(v22) 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	2276.	2391.	2348.	2426.	897.8	2312.
Stddev	4.	5.	2.	8.	1.5	5.
%RSD	.1714	.2007	.0769	.3331	.1713	.2095

#1	2280.	2394.	2349.	2425.	896.8	2306.
#2	2273.	2386.	2350.	2434.	896.9	2313.
#3	2274.	2393.	2346.	2418.	899.5	2316.

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	926.8	4886.	9691.	8645.
Stddev	2.7	33.	96.	227.
%RSD	.2886	.6661	.9870	2.624

#1	928.1	4864.	9581.	8385.
#2	928.5	4871.	9733.	8742.
#3	923.7	4923.	9758.	8807.

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	3021.7	34272.	5342.7
Stddev	3.4	222.	153.4
%RSD	.11363	.64886	2.8710

#1	3024.4	34121.	5168.4
#2	3017.9	34168.	5402.6
#3	3023.0	34527.	5457.1

Sample Name: pds 460-111160-D-1-C Acquired: 4/5/2016 22:49:34 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	81490.	1559.	44.06	1890.	44.50	24410.
Stddev	455.	2.	.21	2.	.34	142.
%RSD	.5586	.1090	.4840	.1080	.7704	.5815
#1	81230.	1561.	44.28	1888.	44.12	24370.
#2	81220.	1560.	44.05	1891.	44.59	24290.
#3	82010.	1557.	43.86	1892.	44.79	24560.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43.48	443.8	381.5	328.7	137400.	27440.
Stddev	.11	1.1	3.3	1.8	868.	108.
%RSD	.2515	.2482	.8713	.5518	.6318	.3931
#1	43.60	442.6	380.6	330.6	137000.	27360.
#2	43.45	444.6	378.7	327.0	136900.	27400.
#3	43.38	444.3	385.1	328.5	138400.	27560.

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	37710.	3414.	19470.	518.5	580.1	378.5
Stddev	174.	15.	98.	1.4	3.4	2.6
%RSD	.4602	.4397	.5042	.2604	.5799	.6747
#1	37700.	3415.	19400.	517.0	576.8	378.9
#2	37540.	3398.	19420.	519.2	579.8	380.9
#3	37890.	3428.	19580.	519.3	583.6	375.8

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

Sample Name: pds 460-111160-D-1-C Acquired: 4/5/2016 22:49:34 Type: Unk
Method: sw03182016(v22) 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	1488.	1643.	597.6	1438.	412.9	394.6
Stddev	3.	20.	4.5	13.	1.5	.7
%RSD	.2151	1.226	.7530	.8694	.3623	.1654
#1	1491.	1621.	598.0	1425.	414.5	394.9
#2	1489.	1646.	592.9	1439.	412.8	393.9
#3	1485.	1661.	601.9	1450.	411.5	395.1

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	407.8	541.2	3304.	1123.
Stddev	2.4	.4	8.	27.
%RSD	.5888	.0652	.2492	2.369
#1	405.3	541.4	3297.	1097.
#2	408.0	540.8	3300.	1150.
#3	410.1	541.4	3313.	1120.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3481.1	39436.	6141.9
Stddev	9.3	225.	49.1
%RSD	.26602	.57115	.79997
#1	3491.4	39422.	6192.0
#2	3478.5	39668.	6139.8
#3	3473.5	39218.	6093.8

Sample Name: sd 460-111359-D-4-A Acquired: 4/6/2016 1:04:13 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	671.4	2.731	-.0794	7.712	.0925	6235.
Stddev	9.2	2.040	.1840	.042	.0496	20.
%RSD	1.377	74.67	231.7	.5485	53.64	.3205

#1	665.8	2.550	.0937	7.688	.1369	6256.
#2	666.3	4.856	-.0592	7.761	.1017	6233.
#3	682.0	.7885	-.2728	7.686	.0389	6216.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1198	.3647	1.282	4.042	1050.	3552.
Stddev	.0874	.1349	.377	.696	9.	7.
%RSD	72.98	36.98	29.43	17.21	.8120	.1962

#1	.1641	.5140	.8670	4.845	1048.	3554.
#2	.1762	.2517	1.604	3.661	1060.	3558.
#3	.0191	.3284	1.376	3.621	1043.	3545.

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	10870.	49.09	92190.	1.447	3.593	-.8940
Stddev	31.	.32	443.	.293	.223	1.282
%RSD	.2894	.6462	.4802	20.28	6.210	143.4

#1	10870.	49.40	91870.	1.772	3.455	.5224
#2	10910.	49.11	92690.	1.201	3.472	-1.230
#3	10840.	48.77	92000.	1.368	3.850	-1.975

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

Sample Name: sd 460-111359-D-4-A Acquired: 4/6/2016 1:04:13 Type: Unk

Method: sw03182016(v22) 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	81.02	1.198	1.922	8.355	35.56	.1801
Stddev	2.15	.761	.095	.141	.55	.1053
%RSD	2.657	63.50	4.943	1.691	1.549	58.50

#1	82.73	.7902	1.873	8.518	35.73	.1105
#2	81.71	2.076	2.032	8.276	34.95	.3013
#3	78.60	.7284	1.862	8.270	36.01	.1284

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.010	76.93	27.99	1447.
Stddev	.500	.37	.23	21.
%RSD	49.53	.4811	.8229	1.434

#1	-.7347	76.53	27.95	1428.
#2	-1.588	77.26	28.24	1469.
#3	-.7085	77.00	27.78	1445.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3146.9	35352.	5306.5
Stddev	16.5	193.	32.4
%RSD	.52552	.54585	.61078

#1	3161.9	35347.	5325.7
#2	3129.2	35161.	5269.0
#3	3149.8	35547.	5324.6

Sample Name: 460-111377-K-1-A Acquired: 4/6/2016 1:15:43 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	611.4	14.03	.3591	300.0	.0388	248200.
Stddev	6.4	.60	.6628	1.0	.0096	592.
%RSD	1.042	4.279	184.6	.3220	24.66	.2384
#1	612.5	13.39	1.101	301.1	.0281	248600.
#2	604.6	14.10	-.1754	299.4	.0419	247600.
#3	617.2	14.59	.1521	299.4	.0465	248600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0395	7.358	-1.127	2.987	12810.	31990.
Stddev	.0636	.243	.487	.117	21.	100.
%RSD	161.0	3.304	43.18	3.899	.1634	.3132
#1	.0314	7.136	-1.039	3.121	12820.	32100.
#2	.1068	7.319	-1.652	2.929	12780.	31920.
#3	-.0197	7.618	-.6908	2.911	12820.	31950.

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	37030.	1139.	183500.	41.36	30.89	3.038
Stddev	57.	3.	951.	.10	1.33	1.080
%RSD	.1552	.2712	.5180	.2514	4.320	35.54
#1	37090.	1141.	184600.	41.47	30.59	3.666
#2	36970.	1135.	182800.	41.27	32.34	3.656
#3	37030.	1140.	183100.	41.35	29.72	1.791

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

Sample Name: 460-111377-K-1-A Acquired: 4/6/2016 1:15:43 Type: Unk
Method: sw03182016(v22) 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	165.1	1.262	1.681	806.9	538.1	7.824
Stddev	2.2	.986	.148	1.8	2.2	.379
%RSD	1.344	78.11	8.794	.2262	.4074	4.838
#1	165.6	1.420	1.797	809.0	540.6	8.234
#2	162.7	.2070	1.730	806.1	536.6	7.488
#3	167.1	2.160	1.514	805.7	537.1	7.750

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.334	1810.	4.174	11400.
Stddev	.522	9.	.314	28.
%RSD	39.12	.4720	7.522	.2450
#1	1.156	1819.	4.042	11430.
#2	1.922	1802.	3.947	11400.
#3	.9250	1808.	4.532	11380.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2893.5	33844.	5199.6
Stddev	6.1	100.	17.3
%RSD	.20966	.29399	.33361
#1	2888.1	33917.	5183.8
#2	2892.4	33885.	5218.2
#3	2900.1	33731.	5196.7

Sample Name: 460-111160-D-8-A@4 Acquired: 4/5/2016 22:53:32 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	79460.	41.33	4.486	277.0	3.479	6896.
Stddev	1383.	2.68	.025	1.5	.017	95.
%RSD	1.740	6.480	.5563	.5560	.4746	1.382
#1	77950.	39.97	4.459	275.3	3.492	6795.
#2	79760.	39.61	4.489	278.3	3.485	6908.
#3	80670.	44.42	4.509	277.4	3.461	6984.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0846	42.27	214.5	105.8	130700.	11390.
Stddev	.1267	.85	2.7	.3	1890.	174.
%RSD	149.8	2.012	1.260	.3231	1.446	1.531
#1	.0539	41.51	211.4	105.4	128600.	11210.
#2	-.1130	42.12	216.3	105.9	131300.	11400.
#3	-.1946	43.19	215.7	106.1	132200.	11560.

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	23520.	1628.	6875.	87.09	271.1	-.5941
Stddev	288.	20.	102.	.88	3.3	.5250
%RSD	1.225	1.217	1.486	1.007	1.215	88.37
#1	23200.	1607.	6760.	86.46	267.8	-.5488
#2	23580.	1630.	6908.	86.73	271.1	-.0932
#3	23760.	1646.	6957.	88.09	274.4	-1.140

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

Sample Name: 460-111160-D-8-A@4 Acquired: 4/5/2016 22:53:32 Type: Unk
Method: sw03182016(v22) 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	11.05	-1.614	176.4	559.4	30.14	1.842
Stddev	2.97	1.300	1.8	6.9	.22	.170
%RSD	26.87	80.54	1.021	1.226	.7409	9.235
#1	9.354	-1.230	174.4	551.8	30.04	1.851
#2	14.48	-3.064	176.7	561.2	30.39	2.007
#3	9.322	-.5500	178.0	565.2	29.98	1.667

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	12.24	74.20	2788.	954.4
Stddev	.59	.93	33.	9.8
%RSD	4.821	1.257	1.200	1.026
#1	11.86	73.18	2751.	943.9
#2	12.92	74.43	2795.	955.9
#3	11.95	75.00	2817.	963.3

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	3489.7	39612.	6012.8
Stddev	1.6	76.	13.9
%RSD	.04676	.19310	.23199
#1	3491.1	39604.	6004.2
#2	3490.2	39539.	6028.9
#3	3487.9	39692.	6005.4

Sample Name: 460-111377-K-4-A Acquired: 4/6/2016 1:27:14 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	345.7	2.869	.5886	568.2	.1168	171500.
Stddev	3.1	.650	.0322	2.6	.0673	1150.
%RSD	.9049	22.66	5.478	.4512	57.58	.6704

#1	347.5	3.015	.5650	571.1	.1304	172300.
#2	347.4	2.159	.5756	566.4	.0438	172100.
#3	342.0	3.434	.6254	567.0	.1762	170200.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0131	5.434	-.1658	1.754	31190.	47390.
Stddev	.0398	.167	.5357	.444	127.	383.
%RSD	303.5	3.063	323.0	25.33	.4070	.8089

#1	-.0137	5.511	.4417	2.109	31230.	47450.
#2	-.0058	5.549	-.3689	1.256	31290.	47740.
#3	.0589	5.243	-.5703	1.898	31040.	46980.

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	22570.	1010.	247500.	24.63	20.56	5.522
Stddev	113.	4.	4074.	.12	1.96	.605
%RSD	.5015	.4364	1.646	.4775	9.508	10.96

#1	22670.	1013.	244100.	24.52	22.26	6.127
#2	22590.	1012.	252000.	24.62	18.43	4.917
#3	22450.	1005.	246300.	24.75	21.00	5.523

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

Sample Name: 460-111377-K-4-A Acquired: 4/6/2016 1:27:14 Type: Unk
Method: sw03182016(v22) 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	219.3	-1.242	.7878	344.9	444.0	1.666
Stddev	.8	.950	.2294	.6	2.5	.130
%RSD	.3682	76.48	29.12	.1878	.5693	7.813
#1	219.3	-1.393	.9006	345.4	446.9	1.816
#2	220.0	-.2254	.9389	345.1	442.2	1.594
#3	218.4	-2.107	.5238	344.2	442.9	1.588

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.688	1126.	6.248	10560.
Stddev	.578	6.	1.408	87.
%RSD	34.21	.5264	22.54	.8252
#1	1.038	1126.	5.613	10560.
#2	1.886	1132.	7.862	10470.
#3	2.141	1120.	5.270	10650.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2872.4	33391.	5153.5
Stddev	23.6	411.	110.2
%RSD	.82251	1.2321	2.1375
#1	2853.4	33104.	5127.8
#2	2864.9	33207.	5058.4
#3	2898.8	33862.	5274.2

Sample Name: 460-111160-D-11-B@4 Acquired: 4/5/2016 22:57:39 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52670.	21.13	3.007	158.1	2.408	8531.
Stddev	105.	1.20	.302	.4	.106	10.
%RSD	.1996	5.691	10.03	.2639	4.385	.1201

#1	52750.	22.34	2.821	157.9	2.358	8539.
#2	52550.	21.12	3.355	157.8	2.337	8536.
#3	52700.	19.93	2.845	158.6	2.529	8520.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0209	29.33	126.4	26.86	90010.	8980.
Stddev	.0796	.06	.6	.68	119.	31.
%RSD	381.3	.2079	.4959	2.529	.1326	.3422

#1	-.0752	29.26	125.9	27.53	89930.	8951.
#2	-.0579	29.36	127.1	26.87	90150.	8976.
#3	.0705	29.37	126.1	26.17	89960.	9012.

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	20180.	2340.	4694.	69.23	34.35	-.8709
Stddev	52.	7.	16.	.41	.69	.9169
%RSD	.2585	.2936	.3509	.5926	1.995	105.3

#1	20240.	2347.	4711.	68.95	34.57	-.6492
#2	20180.	2338.	4678.	69.04	34.90	-.0851
#3	20130.	2333.	4694.	69.70	33.58	-1.878

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

Sample Name: 460-111160-D-11-B@4 Acquired: 4/5/2016 22:57:39 Type: Unk
Method: sw03182016(v22) 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	7.487	-.6559	117.7	202.1	31.44	1.102
Stddev	.699	.8251	.8	.6	.33	.088
%RSD	9.329	125.8	.6739	.3074	1.062	7.995
#1	7.029	-1.036	117.5	201.4	31.31	1.127
#2	8.291	.2907	118.6	202.6	31.19	1.004
#3	7.141	-1.223	117.1	202.2	31.82	1.175

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.964	75.45	2357.	806.1
Stddev	.657	.08	6.	10.5
%RSD	11.01	.1093	.2644	1.305
#1	6.691	75.39	2351.	796.7
#2	5.415	75.55	2356.	817.4
#3	5.785	75.42	2363.	804.1

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	3379.0	38194.	5787.6
Stddev	17.5	65.	54.0
%RSD	.51708	.17053	.93311
#1	3397.9	38161.	5741.3
#2	3375.5	38152.	5846.9
#3	3363.5	38269.	5774.6

Sample Name: 460-111377-K-5-A Acquired: 4/6/2016 1:31:12 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	382.3	6.188	-1.134	428.8	.0902	185900.
Stddev	10.2	3.538	.2420	.9	.1226	606.
%RSD	2.675	57.17	213.4	.2155	135.9	.3261
#1	393.9	8.113	.0261	428.8	.0698	185600.
#2	374.7	8.347	.0266	427.9	-.0209	185600.
#3	378.2	2.105	-.3928	429.7	.2218	186600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1880	3.323	.0651	10.01	4298.	44300.
Stddev	.1040	.035	.3495	.36	12.	153.
%RSD	55.33	1.061	537.3	3.645	.2809	.3452
#1	.0685	3.288	.4627	10.28	4302.	44450.
#2	.2580	3.359	-.0737	10.14	4285.	44300.
#3	.2374	3.322	-.1938	9.593	4308.	44140.

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	39050.	318.5	154400.	26.59	47.57	4.538
Stddev	94.	.7	916.	.45	.83	1.054
%RSD	.2408	.2074	.5934	1.701	1.747	23.22
#1	38990.	318.9	155100.	27.10	47.93	4.111
#2	39000.	317.8	154600.	26.27	46.62	3.766
#3	39150.	318.9	153300.	26.38	48.16	5.739

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

Sample Name: 460-111377-K-5-A Acquired: 4/6/2016 1:31:12 Type: Unk
Method: sw03182016(v22) 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	135.6	-1.215	.6757	1054.	713.2	3.895
Stddev	.6	2.842	.4850	1.	1.0	.123
%RSD	.4629	233.9	71.78	.0927	.1413	3.165
#1	135.3	2.053	.8421	1055.	713.8	3.831
#2	136.3	-2.589	.1293	1053.	713.7	3.816
#3	135.2	-3.109	1.056	1054.	712.0	4.037

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.048	1316.	7.215	11910.
Stddev	.641	5.	.553	35.
%RSD	12.70	.3547	7.669	.2941
#1	4.424	1322.	7.094	11940.
#2	5.016	1313.	7.819	11880.
#3	5.705	1314.	6.732	11920.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2889.1	33380.	5203.5
Stddev	8.9	164.	27.4
%RSD	.30898	.49234	.52676
#1	2889.6	33511.	5232.1
#2	2897.7	33435.	5200.7
#3	2879.9	33196.	5177.5

Sample Name: CCV Acquired: 4/5/2016 23:06:00 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122200.	2277.	1181.	9148.	958.1	117900.
Stddev	390.	4.	3.	19.	2.4	602.
%RSD	.3193	.1798	.2858	.2107	.2470	.5103

#1	121800.	2281.	1181.	9168.	960.1	117300.
#2	122300.	2273.	1178.	9148.	955.5	117800.
#3	122600.	2277.	1185.	9129.	958.7	118500.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1158.	2331.	4596.	11460.	96510.	47710.
Stddev	1.	2.	4.	50.	459.	106.
%RSD	.1207	.0903	.0865	.4339	.4760	.2224

#1	1159.	2333.	4595.	11500.	95990.	47750.
#2	1158.	2333.	4601.	11460.	96700.	47590.
#3	1157.	2329.	4593.	11400.	96840.	47790.

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	114600.	4789.	124300.	2278.	6787.	911.8
Stddev	307.	25.	598.	7.	18.	4.1
%RSD	.2680	.5227	.4813	.3267	.2687	.4530

#1	114300.	4766.	123900.	2285.	6808.	915.6
#2	114600.	4786.	124000.	2278.	6780.	907.4
#3	114900.	4816.	125000.	2270.	6773.	912.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/5/2016 23:06:00 Type: QC
Method: sw03182016(v22) 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	2258.	2405.	2336.	2406.	F 886.8	2289.
Stddev	9.	29.	4.	5.	3.2	4.
%RSD	.4122	1.208	.1804	.1887	.3559	.1666
#1	2269.	2395.	2337.	2400.	890.5	2292.
#2	2251.	2383.	2340.	2408.	884.6	2285.
#3	2255.	2438.	2331.	2409.	885.4	2290.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					1000.	
Range					-10.50%	

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	917.5	4830.	9598.	8660.
Stddev	1.3	19.	30.	70.
%RSD	.1384	.3958	.3092	.8063
#1	918.3	4830.	9564.	8682.
#2	916.1	4811.	9611.	8582.
#3	918.2	4850.	9620.	8716.

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	3027.4	34569.	5337.1
Stddev	4.4	121.	39.6
%RSD	.14510	.35114	.74260
#1	3025.3	34648.	5320.6
#2	3024.5	34629.	5308.3
#3	3032.5	34429.	5382.3

Sample Name: CCVL Acquired: 4/5/2016 23:14:26 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	242.3	13.64	9.640	192.4	2.109	4773.
Stddev	5.4	1.49	.153	.5	.066	6.
%RSD	2.247	10.91	1.590	.2797	3.136	.1303

#1	245.0	14.41	9.495	192.7	2.043	4773.
#2	236.0	14.58	9.800	192.6	2.110	4767.
#3	245.8	11.92	9.625	191.7	2.175	4779.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.197	49.91	10.22	27.14	177.9	4671.
Stddev	.120	.31	.11	.46	7.9	49.
%RSD	2.868	.6169	1.068	1.679	4.457	1.052

#1	4.062	50.19	10.34	27.50	168.7	4701.
#2	4.295	49.95	10.20	27.30	182.7	4698.
#3	4.233	49.58	10.13	26.63	182.2	4614.

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	4587.	16.22	4858.	40.10	11.14	16.51
Stddev	17.	.05	40.	.35	1.17	.34
%RSD	.3631	.3305	.8262	.8827	10.46	2.090

#1	4578.	16.28	4900.	40.35	10.60	16.54
#2	4606.	16.17	4820.	40.25	10.35	16.84
#3	4577.	16.20	4856.	39.69	12.48	16.15

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/5/2016 23:14:26 Type: QC
Method: sw03182016(v22) 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	18.45	22.80	47.16	30.72	41.64	18.65
Stddev	2.23	1.56	.48	.02	.53	.15
%RSD	12.09	6.848	1.024	.0801	1.276	.7864

#1	16.15	22.47	46.98	30.71	41.23	18.50
#2	20.60	21.42	46.79	30.69	41.45	18.79
#3	18.61	24.49	47.71	30.74	42.24	18.65

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	46.77	20.47	20.73	F -2.980
Stddev	.97	.04	.17	1.950
%RSD	2.069	.1813	.8074	65.43

#1	46.94	20.50	20.67	-2.470
#2	45.73	20.43	20.60	-1.335
#3	47.65	20.49	20.92	-5.134

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3250.9	37166.	5490.0
Stddev	6.4	184.	59.9
%RSD	.19789	.49574	1.0915

#1	3251.8	37029.	5456.4
#2	3256.8	37375.	5559.2
#3	3244.0	37093.	5454.5

Sample Name: 460-111359-D-2-A Acquired: 4/6/2016 1:54:24 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1585.	7.149	.4035	68.30	.5093	44480.
Stddev	10.	1.215	.3996	.39	.1061	86.
%RSD	.6074	17.00	99.05	.5672	20.83	.1923

#1	1583.	8.393	.8082	67.86	.5120	44430.
#2	1596.	5.965	.0092	68.57	.6140	44580.
#3	1577.	7.088	.3931	68.48	.4018	44440.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9114	8.763	5.459	31.04	7396.	25520.
Stddev	.0148	.105	.562	1.09	11.	209.
%RSD	1.619	1.200	10.29	3.497	.1511	.8189

#1	.9188	8.861	5.667	31.46	7389.	25420.
#2	.9210	8.652	4.823	31.85	7391.	25370.
#3	.8944	8.776	5.887	29.81	7409.	25750.

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	82500.	1719.	F 618700.	12.81	43.15	-.4056
Stddev	150.	5.	9371.	.51	1.37	1.567
%RSD	.1812	.2892	1.514	4.008	3.163	386.3

#1	82330.	1716.	609600.	12.96	44.45	.7924
#2	82610.	1724.	618300.	12.24	43.27	.1697
#3	82560.	1715.	628300.	13.23	41.73	-2.179

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111359-D-2-A Acquired: 4/6/2016 1:54:24 Type: Unk
Method: sw03182016(v22) 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	546.1	.6175	19.41	160.7	286.2	.4356
Stddev	7.1	1.051	.29	1.1	.9	.2203
%RSD	1.301	170.1	1.507	.7075	.3046	50.57
#1	540.2	-.2694	19.35	159.4	285.3	.6259
#2	544.2	.3440	19.72	161.1	286.3	.1943
#3	554.0	1.778	19.15	161.6	287.1	.4867

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.7335	552.8	29.25	3419.
Stddev	.8504	2.5	.18	47.
%RSD	115.9	.4541	.6009	1.361
#1	.0641	551.2	29.34	3388.
#2	-1.628	551.5	29.04	3472.
#3	-.6363	555.7	29.35	3397.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2974.3	32780.	5284.3
Stddev	15.4	114.	70.0
%RSD	.51806	.34911	1.3239
#1	2978.7	32677.	5296.4
#2	2957.1	32759.	5347.5
#3	2987.0	32903.	5209.1

Sample Name: 460-111359-D-5-A Acquired: 4/6/2016 2:02:26 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.472	.8017	-.0136	-.0292	-.0382	12.44
Stddev	13.22	1.073	.2634	.0843	.0429	1.87
%RSD	534.7	133.9	1933.	288.7	112.5	15.07
#1	.5841	-.4103	-.2745	-.0248	-.0596	10.37
#2	16.53	1.633	.2523	-.1157	.0113	12.90
#3	-9.701	1.183	-.0187	.0528	-.0662	14.03

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0751	-.0333	-.2138	2.386	-4.058	-8.811
Stddev	.0680	.0748	.2336	.485	1.170	38.65
%RSD	90.51	224.8	109.3	20.32	28.83	438.7
#1	-.0877	-.0621	.0478	2.743	-4.990	-48.78
#2	-.0017	-.0893	-.2874	2.582	-4.439	-6.017
#3	-.1360	.0516	-.4017	1.834	-2.745	28.37

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	3.030	.2542	248.6	.2948	-.4679	-.1573
Stddev	2.273	.1314	224.6	.3873	.4714	1.644
%RSD	75.02	51.67	90.34	131.4	100.7	1045.
#1	1.915	.3755	138.4	.0094	.0721	-2.024
#2	5.646	.1147	507.1	.7356	-.6786	1.077
#3	1.530	.2725	100.4	.1393	-.7972	.4751

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

Sample Name: 460-111359-D-5-A Acquired: 4/6/2016 2:02:26 Type: Unk
Method: sw03182016(v22) 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	-2.698	.8855	-.0981	1.077	-.3329	-.0367
Stddev	4.397	1.384	.2059	.091	.5506	.2084
%RSD	162.9	156.3	209.9	8.415	165.4	568.4
#1	-.7833	-.5623	-.0412	1.180	.1685	-.0194
#2	.4159	2.196	.0734	1.013	-.9222	.1626
#3	-7.728	1.023	-.3265	1.036	-.2450	-.2531

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3850	.1954	.0756	18.25
Stddev	.3456	.3135	.0907	8.79
%RSD	89.76	160.5	120.1	48.14
#1	-.1083	-.0086	.0949	11.66
#2	-.7723	.5564	.1551	14.87
#3	-.2744	.0383	-.0233	28.23

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3235.0	37169.	5417.4
Stddev	16.6	369.	77.2
%RSD	.51448	.99294	1.4246
#1	3219.9	36749.	5336.7
#2	3252.8	37443.	5425.0
#3	3232.2	37314.	5490.5

Sample Name: 460-109980-G-1-A Acquired: 4/6/2016 2:06:25 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	116.9	2.238	.1898	54.41	.0564	18230.
Stddev	9.1	.667	.2996	.37	.0928	32.
%RSD	7.778	29.82	157.8	.6836	164.4	.1765
#1	124.8	2.084	.0027	54.55	-.0044	18250.
#2	107.0	1.661	.0314	54.68	.1632	18190.
#3	119.0	2.969	.5354	53.98	.0105	18250.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3667	.3564	41.35	1.840	229.9	6615.
Stddev	.0434	.1136	.32	.396	3.5	39.
%RSD	11.83	31.88	.7771	21.51	1.520	.5893
#1	.4001	.4863	41.28	1.503	227.5	6585.
#2	.3823	.3067	41.07	1.741	228.2	6659.
#3	.3176	.2760	41.70	2.275	233.9	6601.

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	5032.	127.8	45490.	9.019	2.422	.3924
Stddev	22.	.7	129.	.155	1.265	1.057
%RSD	.4395	.5355	.2835	1.718	52.23	269.3
#1	5011.	127.5	45620.	9.006	1.816	.2960
#2	5030.	127.3	45480.	8.872	1.575	-.6130
#3	5055.	128.6	45360.	9.181	3.876	1.494

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

Sample Name: 460-109980-G-1-A Acquired: 4/6/2016 2:06:25 Type: Unk
Method: sw03182016(v22) 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	36.05	1.048	.3040	11.35	17.09	-.0778
Stddev	2.57	1.285	.2610	.17	.60	.1815
%RSD	7.130	122.6	85.84	1.473	3.501	233.3
#1	33.77	2.520	.5141	11.18	17.78	-.2855
#2	35.53	.4760	.3861	11.51	16.76	.0014
#3	38.84	.1488	.0119	11.35	16.73	.0507

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2889	110.1	3.446	4232.
Stddev	.7535	.4	.055	49.
%RSD	260.8	.3644	1.594	1.153
#1	.5811	109.8	3.383	4240.
#2	-.7319	110.6	3.468	4276.
#3	-.7159	110.0	3.486	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	3155.1	35881.	5422.3
Stddev	13.7	136.	51.0
%RSD	.43274	.37773	.94034
#1	3155.6	35924.	5459.7
#2	3141.2	35989.	5443.0
#3	3168.5	35729.	5364.2

Sample Name: 460-109980-G-2-A Acquired: 4/6/2016 2:10:19 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	168.5	1.672	-.2054	40.47	.0454	10410.
Stddev	9.9	.920	.4569	.13	.0408	21.
%RSD	5.852	55.01	222.4	.3113	89.73	.2006
#1	160.4	2.697	.1534	40.40	.0918	10400.
#2	165.5	1.402	-.7199	40.62	.0150	10400.
#3	179.5	.9182	-.0498	40.40	.0295	10430.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0754	1.302	474.0	3.130	2151.	3338.
Stddev	.0173	.085	2.0	.364	11.	7.
%RSD	22.95	6.503	.4309	11.63	.5136	.2035
#1	.0558	1.346	475.8	2.714	2145.	3340.
#2	.0815	1.356	471.8	3.390	2164.	3331.
#3	.0887	1.204	474.5	3.285	2145.	3344.

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	2706.	61.47	23150.	81.22	4.277	.6676
Stddev	21.	.33	58.	.77	1.193	1.060
%RSD	.7761	.5399	.2485	.9473	27.90	158.8
#1	2698.	61.22	23090.	80.43	5.440	1.186
#2	2690.	61.35	23150.	81.96	3.056	1.369
#3	2729.	61.85	23200.	81.28	4.335	-.5519

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

Sample Name: 460-109980-G-2-A Acquired: 4/6/2016 2:10:19 Type: Unk
Method: sw03182016(v22) 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	18.51	.2523	2.079	2.363	27.77	.3404
Stddev	1.66	.2278	.416	.308	.31	.0337
%RSD	8.949	90.31	20.00	13.05	1.122	9.893
#1	19.03	.4414	2.492	2.062	27.41	.3697
#2	16.66	.3161	2.086	2.678	27.98	.3036
#3	19.85	-.0007	1.660	2.348	27.92	.3477

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8989	75.01	7.773	4634.
Stddev	.4633	.34	.190	36.
%RSD	51.54	.4480	2.446	.7673
#1	-1.427	74.65	7.554	4595.
#2	-.7073	75.08	7.875	4643.
#3	-.5621	75.31	7.891	4665.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3195.3	36366.	5418.5
Stddev	8.2	160.	45.9
%RSD	.25603	.44059	.84750
#1	3186.4	36182.	5370.7
#2	3202.5	36469.	5462.3
#3	3197.0	36448.	5422.3

Sample Name: 460-111160-A-20-A@4 Acquired: 4/5/2016 23:18:44 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	72940.	77.03	6.457	318.0	3.996	8378.
Stddev	239.	2.14	.527	.3	.036	37.
%RSD	.3269	2.779	8.168	.0960	.9141	.4451

#1	72930.	77.51	6.050	318.3	4.038	8352.
#2	72710.	74.69	6.269	317.7	3.968	8362.
#3	73190.	78.89	7.053	317.9	3.983	8421.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.857	51.92	212.6	121.0	157800.	10190.
Stddev	.173	.46	1.1	.4	785.	122.
%RSD	9.343	.8822	.4995	.3234	.4977	1.195

#1	1.956	52.24	211.5	120.9	156900.	10140.
#2	1.958	52.14	212.9	120.7	157800.	10100.
#3	1.657	51.40	213.6	121.4	158500.	10330.

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	20600.	4355.	3024.	115.1	4501.	20.62
Stddev	66.	12.	10.	.4	10.	1.02
%RSD	.3217	.2824	.3181	.3872	.2310	4.953

#1	20530.	4346.	3018.	114.6	4505.	20.72
#2	20590.	4349.	3019.	115.2	4509.	19.55
#3	20660.	4369.	3035.	115.5	4489.	21.59

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

Sample Name: 460-111160-A-20-A@4 Acquired: 4/5/2016 23:18:44 Type: Unk
Method: sw03182016(v22) 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	10.94	-2.299	170.3	1589.	24.80	3.050
Stddev	1.75	.768	.8	4.	.23	.117
%RSD	16.03	33.41	.4570	.2207	.9446	3.843
#1	12.94	-1.791	169.5	1585.	25.06	2.972
#2	10.20	-3.182	171.0	1591.	24.61	2.993
#3	9.673	-1.923	170.3	1592.	24.73	3.185

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	23.43	101.8	2418.	895.9
Stddev	.75	.5	9.	25.7
%RSD	3.221	.5285	.3847	2.871
#1	24.28	102.1	2407.	914.3
#2	23.18	101.2	2422.	907.0
#3	22.83	102.2	2425.	866.5

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	3486.8	39717.	6052.2
Stddev	7.0	77.	8.5
%RSD	.20069	.19261	.13990
#1	3486.2	39804.	6060.6
#2	3480.1	39690.	6052.3
#3	3494.0	39658.	6043.7

Sample Name: CCV Acquired: 4/6/2016 2:33:44 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123600.	2309.	1200.	9384.	968.3	121000.
Stddev	239.	10.	.	20.	4.3	319.
%RSD	.1931	.4163	.0278	.2149	.4427	.2635

#1	123400.	2320.	1200.	9362.	966.5	120700.
#2	123500.	2307.	1200.	9401.	965.2	121300.
#3	123900.	2301.	1200.	9390.	973.2	121100.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1180.	2378.	4719.	11610.	98110.	48660.
Stddev	2.	4.	18.	11.	188.	59.
%RSD	.1888	.1595	.3787	.0925	.1913	.1212

#1	1177.	2374.	4699.	11600.	98080.	48690.
#2	1182.	2382.	4730.	11610.	98320.	48590.
#3	1180.	2378.	4729.	11620.	97940.	48700.

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	117700.	4904.	125600.	2329.	6957.	922.0
Stddev	292.	10.	85.	5.	27.	6.7
%RSD	.2477	.2050	.0675	.1974	.3868	.7232

#1	117400.	4895.	125600.	2324.	6926.	922.3
#2	118000.	4915.	125500.	2332.	6967.	928.6
#3	117900.	4902.	125700.	2331.	6977.	915.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/6/2016 2:33:44 Type: QC
Method: sw03182016(v22) 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	2273.	2442.	2380.	2454.	905.9	2341.
Stddev	10.	27.	3.	6.	1.9	2.
%RSD	.4199	1.106	.1382	.2250	.2115	.0774

#1	2284.	2466.	2376.	2448.	904.4	2340.
#2	2266.	2413.	2381.	2456.	908.1	2341.
#3	2270.	2447.	2383.	2458.	905.3	2343.

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	938.8	4901.	9770.	8640.
Stddev	2.9	11.	61.	28.
%RSD	.3092	.2339	.6293	.3221

#1	937.4	4914.	9726.	8662.
#2	936.9	4892.	9840.	8649.
#3	942.1	4898.	9743.	8608.

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	2939.7	33597.	5095.4
Stddev	14.9	195.	64.8
%RSD	.50568	.58086	1.2714

#1	2955.4	33819.	5151.5
#2	2937.8	33453.	5110.3
#3	2925.8	33518.	5024.5

Sample Name: 460-109980-G-5-A Acquired: 4/6/2016 2:22:00 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	912.9	1.785	.2796	166.1	.2410	9167.
Stddev	3.9	.731	.2130	.3	.0495	45.
%RSD	.4287	40.93	76.19	.1772	20.54	.4938
#1	909.1	2.621	.1647	166.3	.1860	9121.
#2	912.7	1.271	.1487	166.3	.2819	9169.
#3	916.9	1.462	.5254	165.8	.2553	9212.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4080	2.935	44.38	3.571	1725.	2535.
Stddev	.1037	.257	.56	.164	14.	10.
%RSD	25.42	8.770	1.268	4.597	.7839	.3953
#1	.3285	3.058	44.27	3.637	1712.	2533.
#2	.3702	3.107	44.98	3.691	1739.	2526.
#3	.5253	2.639	43.87	3.384	1724.	2546.

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	2576.	671.1	44620.	19.37	4.693	.0160
Stddev	13.	2.1	336.	.15	.326	1.170
%RSD	.5194	.3107	.7532	.7905	6.943	7295.
#1	2564.	668.7	45000.	19.28	4.926	1.361
#2	2590.	672.0	44350.	19.55	4.832	-.7704
#3	2574.	672.5	44520.	19.29	4.321	-.5424

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

Sample Name: 460-109980-G-5-A Acquired: 4/6/2016 2:22:00 Type: Unk
Method: sw03182016(v22) 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	36.70	2.078	2.056	6.497	18.02	.0095
Stddev	.66	.430	.246	.050	.44	.0802
%RSD	1.802	20.69	11.95	.7707	2.426	844.2
#1	36.19	2.236	2.007	6.474	17.76	-.0034
#2	36.47	1.592	1.839	6.554	17.77	-.0635
#3	37.45	2.407	2.323	6.462	18.52	.0954

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5860	64.67	21.04	3934.
Stddev	.8323	.42	.23	56.
%RSD	142.0	.6521	1.093	1.423
#1	-.2884	64.83	20.80	3974.
#2	-1.526	64.20	21.06	3957.
#3	.0566	65.00	21.26	3870.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3226.0	36584.	5475.5
Stddev	14.5	219.	71.8
%RSD	.44795	.59974	1.3121
#1	3222.2	36827.	5533.6
#2	3213.8	36522.	5497.7
#3	3242.0	36402.	5395.2

Sample Name: 460-109980-G-6-A Acquired: 4/6/2016 2:25:54 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	263.7	2.243	.4616	95.71	.2925	31120.
Stddev	9.0	1.298	.2161	.20	.0207	66.
%RSD	3.417	57.84	46.81	.2106	7.068	.2122
#1	254.3	2.757	.3969	95.80	.3030	31040.
#2	272.3	.7676	.7026	95.85	.2686	31150.
#3	264.5	3.205	.2852	95.48	.3057	31160.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5784	.6218	4.369	2.905	149.7	4686.
Stddev	.0226	.2701	.206	.260	11.1	10.
%RSD	3.916	43.43	4.713	8.948	7.395	.2170
#1	.5545	.8387	4.146	2.817	162.0	4678.
#2	.5996	.7074	4.552	2.701	146.7	4682.
#3	.5810	.3193	4.411	3.198	140.5	4697.

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	5104.	221.3	26380.	10.29	5.955	-.8527
Stddev	17.	.5	93.	.36	.968	.7401
%RSD	.3240	.2066	.3512	3.479	16.25	86.79
#1	5088.	220.8	26480.	10.70	5.176	-1.383
#2	5103.	221.5	26360.	10.12	5.651	-1.168
#3	5121.	221.6	26300.	10.05	7.038	-.0072

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

Sample Name: 460-109980-G-6-A Acquired: 4/6/2016 2:25:54 Type: Unk
Method: sw03182016(v22) 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	21.61	.8807	.1124	14.23	35.56	-.0206
Stddev	2.04	1.348	.1894	.27	.22	.1360
%RSD	9.437	153.1	168.5	1.912	.6222	660.9
#1	23.38	-.0823	.2767	14.19	35.47	-.0598
#2	19.38	.3032	-.0948	14.52	35.81	-.1327
#3	22.07	2.421	.1552	13.98	35.39	.1308

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6151	128.9	4.215	5959.
Stddev	.3977	.4	.134	26.
%RSD	64.65	.3263	3.184	.4388
#1	-.2668	128.4	4.064	5947.
#2	-1.048	129.2	4.262	5941.
#3	-.5302	129.0	4.320	5989.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3262.4	37057.	5545.5
Stddev	8.0	22.	28.7
%RSD	.24456	.05954	.51839
#1	3258.9	37031.	5548.7
#2	3256.9	37066.	5515.3
#3	3271.6	37073.	5572.5

Sample Name: 460-109980-G-8-A Acquired: 4/6/2016 2:45:23 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	358.4	1.722	.4677	35.34	.0717	7589.
Stddev	8.9	1.008	.3468	.32	.0278	55.
%RSD	2.480	58.55	74.15	.9073	38.84	.7207
#1	348.7	2.010	.1188	35.66	.0768	7637.
#2	360.3	.6011	.4719	35.02	.0965	7601.
#3	366.2	2.555	.8124	35.33	.0416	7529.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0358	2.092	251.4	5.823	2266.	2298.
Stddev	.0875	.060	2.0	.179	19.	60.
%RSD	244.1	2.862	.8036	3.073	.8476	2.616
#1	-.0342	2.155	252.7	5.863	2288.	2361.
#2	.0078	2.036	252.4	5.979	2261.	2290.
#3	.1339	2.087	249.1	5.628	2251.	2242.

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	3416.	133.7	26170.	26.68	4.878	-1.170
Stddev	37.	1.6	237.	.47	.971	.973
%RSD	1.071	1.219	.9057	1.776	19.89	83.19
#1	3444.	135.0	26420.	27.12	4.461	-.4143
#2	3430.	134.3	26150.	26.74	4.186	-.8267
#3	3375.	131.9	25950.	26.17	5.988	-2.268

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

Sample Name: 460-109980-G-8-A Acquired: 4/6/2016 2:45:23 Type: Unk
Method: sw03182016(v22) 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	21.53	3.745	1.698	7.697	19.69	.8654
Stddev	.36	1.000	.401	.044	.49	.2699
%RSD	1.656	26.71	23.59	.5785	2.499	31.18
#1	21.13	3.107	2.101	7.680	20.26	1.127
#2	21.62	3.231	1.695	7.748	19.39	.8817
#3	21.82	4.898	1.299	7.664	19.42	.5877

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5013	79.23	16.68	4475.
Stddev	.2034	.85	.24	30.
%RSD	40.57	1.079	1.465	.6593
#1	-.7328	80.16	16.63	4507.
#2	-.3516	79.05	16.95	4449.
#3	-.4195	78.48	16.47	4468.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3197.6	35898.	5290.8
Stddev	27.8	150.	42.9
%RSD	.86814	.41885	.81101
#1	3167.5	35990.	5288.9
#2	3203.2	35724.	5248.9
#3	3222.1	35979.	5334.6

Sample Name: 460-111160-C-26-B@4 Acquired: 4/5/2016 23:27:03 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	85960.	30.49	3.736	318.2	4.831	10650.
Stddev	633.	1.68	.183	1.6	.041	45.
%RSD	.7360	5.496	4.904	.5093	.8425	.4241

#1	86670.	28.57	3.763	316.7	4.787	10660.
#2	85770.	31.19	3.540	318.0	4.838	10700.
#3	85450.	31.69	3.904	319.9	4.867	10610.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0375	46.69	227.9	57.86	119000.	12760.
Stddev	.1477	.30	2.1	.63	191.	58.
%RSD	393.7	.6355	.9230	1.090	.1605	.4578

#1	-.1326	46.39	226.0	58.13	118900.	12790.
#2	.1121	46.68	227.7	58.32	119200.	12690.
#3	.1331	46.99	230.2	57.14	118900.	12780.

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	26660.	1559.	4825.	120.1	88.53	.4910
Stddev	62.	9.	52.	1.0	.64	.8091
%RSD	.2343	.5475	1.074	.8724	.7233	164.8

#1	26590.	1564.	4883.	119.0	88.22	1.095
#2	26710.	1563.	4811.	120.4	88.11	-4.282
#3	26680.	1549.	4782.	121.0	89.27	.8061

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

Sample Name: 460-111160-C-26-B@4 Acquired: 4/5/2016 23:27:03 Type: Unk
Method: sw03182016(v22) 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	8.997	-1.835	195.0	516.4	43.32	1.482
Stddev	3.316	.665	1.0	1.9	.22	.088
%RSD	36.85	36.24	.5265	.3766	.5172	5.926
#1	8.266	-1.868	194.0	515.3	43.06	1.570
#2	6.108	-2.482	195.0	515.3	43.40	1.481
#3	12.62	-1.154	196.0	518.7	43.49	1.395

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	20.98	100.3	3026.	959.1
Stddev	.62	.4	6.	13.8
%RSD	2.959	.3830	.2034	1.434
#1	20.47	100.7	3019.	951.1
#2	20.80	100.2	3029.	951.4
#3	21.67	99.92	3030.	975.0

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	3501.4	40213.	6087.9
Stddev	8.7	238.	66.5
%RSD	.24956	.59275	1.0931
#1	3501.4	40183.	6053.1
#2	3510.1	39991.	6046.0
#3	3492.7	40465.	6164.6

Sample Name: 460-110936-C-1-B@4 Acquired: 4/5/2016 23:35:22 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52240.	67.48	4.218	233.3	3.093	6104.
Stddev	111.	2.02	.396	.9	.080	23.
%RSD	.2116	2.991	9.397	.3778	2.600	.3693
#1	52290.	68.78	3.761	232.5	3.009	6082.
#2	52320.	65.15	4.421	233.3	3.169	6105.
#3	52110.	68.50	4.472	234.2	3.102	6127.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8657	44.10	207.7	128.3	98000.	7432.
Stddev	.0336	.29	.3	.3	314.	29.
%RSD	3.879	.6555	.1344	.2449	.3209	.3860
#1	.8952	44.07	208.0	127.9	97820.	7399.
#2	.8727	43.82	207.6	128.5	97810.	7446.
#3	.8292	44.40	207.4	128.4	98360.	7451.

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	14560.	2041.	347.9	69.69	252.8	.7488
Stddev	28.	6.	5.0	.62	1.1	.9100
%RSD	.1950	.2727	1.441	.8962	.4244	121.5
#1	14530.	2036.	350.1	70.40	251.6	.4813
#2	14590.	2040.	342.1	69.22	253.6	.0025
#3	14560.	2047.	351.4	69.44	253.3	1.763

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

Sample Name: 460-110936-C-1-B@4 Acquired: 4/5/2016 23:35:22 Type: Unk
Method: sw03182016(v22) 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	7.048	-.1611	151.3	624.9	16.04	2.371
Stddev	2.348	.9438	1.1	3.2	.29	.083
%RSD	33.32	585.9	.7271	.5102	1.796	3.511
#1	8.827	.4015	150.6	621.4	16.37	2.277
#2	7.931	.3659	150.7	625.7	15.94	2.436
#3	4.387	-1.251	152.6	627.6	15.82	2.400

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	17.28	49.89	1953.	790.8
Stddev	.51	.07	4.	10.9
%RSD	2.937	.1344	.2141	1.382
#1	16.70	49.86	1950.	778.2
#2	17.63	49.84	1952.	797.8
#3	17.51	49.97	1958.	796.3

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	3369.7	38788.	5769.5
Stddev	9.8	185.	32.0
%RSD	.29004	.47786	.55511
#1	3360.0	38575.	5767.5
#2	3369.6	38916.	5738.5
#3	3379.5	38872.	5802.5

Sample Name: 460-110936-D-21-B@4 Acquired: 4/5/2016 23:47:57 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58690.	30.85	3.874	244.3	1.947	7443.
Stddev	87.	1.84	.639	.3	.010	19.
%RSD	.1481	5.961	16.51	.1224	.4930	.2557
#1	58780.	31.53	3.953	244.5	1.954	7462.
#2	58610.	32.25	4.470	243.9	1.936	7445.
#3	58690.	28.77	3.198	244.3	1.950	7424.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1075	22.16	158.8	54.94	112100.	8704.
Stddev	.1323	.11	1.2	.32	84.	12.
%RSD	123.1	.4886	.7857	.5778	.0749	.1332
#1	-.2357	22.27	160.0	54.96	112200.	8693.
#2	.0285	22.16	158.9	55.24	112100.	8701.
#3	-.1151	22.05	157.5	54.61	112100.	8716.

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	16030.	2053.	2355.	61.61	96.57	-1.157
Stddev	74.	8.	4.	.68	1.25	.900
%RSD	.4590	.3925	.1536	1.099	1.290	77.81
#1	16110.	2061.	2353.	62.21	97.48	-.6028
#2	16010.	2054.	2359.	60.87	95.15	-2.195
#3	15960.	2045.	2353.	61.73	97.09	-.6721

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

Sample Name: 460-110936-D-21-B@4 Acquired: 4/5/2016 23:47:57 Type: Unk
Method: sw03182016(v22) 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	6.977	-3.155	149.4	471.3	23.45	2.391
Stddev	2.842	1.081	.6	.9	.32	.231
%RSD	40.73	34.26	.3729	.1916	1.345	9.671
#1	10.26	-3.588	149.9	472.1	23.75	2.125
#2	5.353	-3.953	148.8	470.3	23.48	2.504
#3	5.320	-1.925	149.5	471.5	23.12	2.544

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	8.890	88.70	2437.	802.4
Stddev	.184	.04	1.	20.4
%RSD	2.073	.0421	.0384	2.545
#1	8.690	88.74	2436.	788.0
#2	9.052	88.69	2437.	793.4
#3	8.928	88.66	2437.	825.8

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	3386.6	38161.	5828.9
Stddev	18.5	282.	45.2
%RSD	.54704	.73848	.77628
#1	3367.6	37838.	5794.3
#2	3404.6	38355.	5880.1
#3	3387.7	38290.	5812.4

Sample Name: 460-110936-D-22-E@4 Acquired: 4/5/2016 23:52:08 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48190.	23.33	2.921	179.8	2.309	7272.
Stddev	92.	3.94	.405	.2	.145	34.
%RSD	.1908	16.88	13.85	.1379	6.273	.4659

#1	48240.	22.77	3.049	179.7	2.400	7235.
#2	48240.	19.70	3.246	180.0	2.142	7281.
#3	48080.	27.52	2.468	179.5	2.386	7301.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7485	26.95	127.4	35.80	92700.	6927.
Stddev	.1306	.20	1.3	.57	358.	31.
%RSD	17.45	.7249	1.053	1.590	.3860	.4514

#1	.8727	27.14	125.8	36.33	92310.	6892.
#2	.6123	26.97	127.9	35.87	93010.	6939.
#3	.7606	26.75	128.4	35.20	92770.	6951.

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	15520.	1218.	2628.	60.99	54.66	-.7496
Stddev	46.	2.	8.	.25	1.77	1.676
%RSD	.2935	.1733	.3095	.4105	3.232	223.6

#1	15490.	1216.	2637.	60.71	52.94	.9984
#2	15500.	1218.	2622.	61.20	56.47	-.9046
#3	15580.	1220.	2624.	61.04	54.56	-2.343

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

Sample Name: 460-110936-D-22-E@4 Acquired: 4/5/2016 23:52:08 Type: Unk
Method: sw03182016(v22) 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	2.338	-.5689	107.2	556.5	18.60	.9907
Stddev	2.361	1.777	.4	.8	.46	.1105
%RSD	101.0	312.3	.3721	.1492	2.498	11.16
#1	1.934	-2.102	106.7	555.9	18.39	1.062
#2	4.874	-.9836	107.4	557.5	18.27	1.047
#3	.2048	1.379	107.5	556.2	19.13	.8634

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	7.472	63.51	1967.	718.0
Stddev	1.052	.33	3.	7.3
%RSD	14.07	.5254	.1594	1.015
#1	6.418	63.76	1963.	726.2
#2	7.477	63.63	1969.	715.4
#3	8.521	63.13	1968.	712.3

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	3410.4	38860.	5859.6
Stddev	8.4	70.	30.9
%RSD	.24563	.17929	.52764
#1	3402.0	38917.	5895.3
#2	3410.4	38783.	5841.0
#3	3418.8	38882.	5842.5

Sample Name: CCB Acquired: 4/6/2016 0:04:42 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.935	.4797	.3870	.0238	-.0280	18.89
Stddev	9.372	1.059	.3666	.0101	.0817	5.70
%RSD	118.1	220.7	94.72	42.35	291.7	30.18
#1	2.124	.9954	.7511	.0123	-.0468	14.78
#2	18.75	1.182	.3919	.0279	.0614	16.50
#3	2.932	-.7380	.0180	.0312	-.0986	25.40

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1208	.0624	-.1262	2.739	-4.768	-6.571
Stddev	.1059	.1301	.4341	.264	2.607	12.63
%RSD	87.61	208.6	343.9	9.637	54.69	192.2
#1	.1948	-.0789	.0806	2.915	-1.804	4.938
#2	-.0004	.0888	-.6251	2.436	-6.709	-4.567
#3	.1682	.1773	.1658	2.867	-5.790	-20.08

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	-1.515	-.0085	-36.64	.2630	.0496	-.4938
Stddev	2.046	.0552	6.31	.0535	.8035	1.605
%RSD	135.1	646.6	17.22	20.33	1620.	324.9
#1	.7192	-.0709	-31.23	.2025	-.4848	-2.311
#2	-1.967	.0115	-35.12	.3039	-.3400	.0996
#3	-3.297	.0338	-43.57	.2826	.9736	.7296

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

Sample Name: CCB Acquired: 4/6/2016 0:04:42 Type: QC
Method: sw03182016(v22) 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	-3.705	.6349	-.2594	.2065	-4.397	.0050
Stddev	3.287	.3987	.2634	.1233	.387	.0760
%RSD	88.73	62.80	101.5	59.71	8.788	1529.
#1	-6.746	.1895	-.5143	.1973	-4.782	-.0790
#2	-4.152	.9587	.0117	.3341	-4.401	.0691
#3	-.2169	.7566	-.2756	.0880	-4.009	.0249

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.9536	-.1263	.1475	.9599
Stddev	.3698	.0533	.0435	12.34
%RSD	38.79	42.23	29.49	1285.
#1	-1.201	-.1214	.1862	5.216
#2	-1.132	-.0755	.1560	-12.94
#3	-.5284	-.1818	.1004	10.60

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	3439.2	39476.	5733.5
Stddev	171.0	1817.	282.7
%RSD	4.9722	4.6014	4.9311
#1	3555.6	40574.	5866.1
#2	3519.1	40474.	5925.5
#3	3242.8	37379.	5408.9

Sample Name: CCVL Acquired: 4/6/2016 0:08:47 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	232.9	14.31	9.639	193.3	2.123	4735.
Stddev	4.1	.81	.156	.6	.045	17.
%RSD	1.765	5.679	1.617	.2859	2.118	.3535

#1	229.9	15.24	9.472	193.4	2.128	4728.
#2	237.6	13.82	9.664	192.7	2.075	4723.
#3	231.2	13.86	9.780	193.8	2.165	4754.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.202	50.43	10.23	26.09	183.4	4665.
Stddev	.120	.14	.55	.29	8.3	16.
%RSD	2.846	.2725	5.399	1.094	4.504	.3499

#1	4.169	50.52	9.635	26.21	174.1	4647.
#2	4.334	50.48	10.72	26.30	190.0	4679.
#3	4.102	50.27	10.34	25.77	185.9	4670.

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	4569.	16.10	4902.	40.10	11.99	16.23
Stddev	21.	.12	24.	.32	.55	1.34
%RSD	.4511	.7693	.4943	.7926	4.593	8.278

#1	4546.	16.00	4912.	39.85	12.45	17.63
#2	4574.	16.24	4919.	39.99	11.38	14.95
#3	4586.	16.07	4874.	40.46	12.14	16.10

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/6/2016 0:08:47 Type: QC
Method: sw03182016(v22) 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	20.06	22.84	47.53	31.08	40.88	18.68
Stddev	2.03	2.00	.30	.20	.53	.10
%RSD	10.12	8.755	.6256	.6480	1.295	.5133
#1	17.79	22.18	47.67	31.16	41.25	18.77
#2	21.69	25.09	47.19	30.85	41.12	18.67
#3	20.70	21.26	47.74	31.22	40.28	18.58

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	46.41	20.36	20.79	F 6.607
Stddev	.15	.14	.06	13.41
%RSD	.3242	.6779	.2846	202.9
#1	46.24	20.38	20.74	-6.912
#2	46.53	20.48	20.77	19.90
#3	46.46	20.21	20.85	6.834

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3220.8	37258.	5394.7
Stddev	12.3	46.	43.0
%RSD	.38098	.12274	.79715
#1	3225.0	37306.	5354.5
#2	3230.4	37254.	5389.5
#3	3207.0	37215.	5440.0

Sample Name: 460-110936-D-29-E@4 Acquired: 4/6/2016 0:12:48 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31980.	14.37	1.840	131.0	1.742	1891.
Stddev	461.	1.22	.390	.7	.160	32.
%RSD	1.443	8.469	21.22	.5639	9.201	1.682

#1	31490.	15.39	1.930	130.2	1.924	1856.
#2	32030.	13.03	2.177	131.0	1.621	1898.
#3	32410.	14.70	1.412	131.7	1.680	1918.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4422	24.19	64.09	27.82	50620.	2619.
Stddev	.0705	.21	.80	.50	664.	41.
%RSD	15.94	.8813	1.256	1.805	1.311	1.584

#1	.3900	23.97	63.16	27.26	49980.	2571.
#2	.4142	24.40	64.60	28.23	50580.	2647.
#3	.5224	24.21	64.50	27.98	51300.	2638.

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	5145.	1142.	78.00	37.75	66.08	-.4474
Stddev	84.	15.	4.88	.33	.40	1.499
%RSD	1.626	1.348	6.263	.8658	.6015	335.1

#1	5051.	1126.	72.95	37.38	65.93	-1.614
#2	5170.	1144.	78.34	37.97	65.77	1.244
#3	5213.	1157.	82.70	37.91	66.53	-.9713

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

Sample Name: 460-110936-D-29-E@4 Acquired: 4/6/2016 0:12:48 Type: Unk
Method: sw03182016(v22) 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	-.5877	.7940	74.44	191.3	1.942	1.123
Stddev	3.829	3.022	.73	2.0	.346	.146
%RSD	651.5	380.6	.9852	1.021	17.83	13.04
#1	.1899	4.233	73.60	189.1	1.553	1.281
#2	-4.746	-1.438	74.77	192.0	2.057	1.096
#3	2.793	-.4128	74.96	192.9	2.217	.9918

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.310	20.06	960.2	691.4
Stddev	1.140	.28	12.6	7.1
%RSD	18.06	1.420	1.309	1.028
#1	7.184	19.75	948.2	683.2
#2	6.725	20.11	959.0	695.7
#3	5.022	20.32	973.3	695.3

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	3365.7	38473.	5693.1
Stddev	29.2	220.	50.8
%RSD	.86619	.57219	.89193
#1	3335.1	38227.	5635.6
#2	3369.0	38540.	5731.7
#3	3393.1	38652.	5711.9

Sample Name: CCB Acquired: 4/6/2016 2:56:57 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.50	1.395	.4320	.2287	.0024	11.38
Stddev	11.95	.211	.2064	.1004	.0573	3.29
%RSD	50.86	15.12	47.77	43.90	2344.	28.91

#1	14.86	1.602	.5157	.2988	.0334	14.56
#2	18.50	1.181	.5834	.2736	.0377	7.988
#3	37.14	1.402	.1969	.1137	-.0637	11.60

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0125	.2669	.1845	3.028	-1.107	2.498
Stddev	.0535	.1760	.4459	.539	1.766	17.44
%RSD	429.6	65.93	241.7	17.78	159.5	698.3

#1	.0495	.2106	.4630	3.650	-1.540	-16.20
#2	.0367	.4641	-.3298	2.721	.8349	5.353
#3	-.0489	.1260	.4202	2.714	-2.617	18.34

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	1.545	.1192	12.07	.4216	.4769	-.7511
Stddev	1.190	.0516	.26	.3701	.9071	.6744
%RSD	77.03	43.24	2.156	87.80	190.2	89.79

#1	1.851	.1531	11.83	.5268	.5447	-.0451
#2	2.552	.1448	12.04	.0102	-.4622	-.8193
#3	.2318	.0599	12.35	.7278	1.348	-1.389

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

Sample Name: CCB Acquired: 4/6/2016 2:56:57 Type: QC
Method: sw03182016(v22) 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	-1.629	.5319	-.0123	.2720	-2.182	.7924
Stddev	4.430	.5367	.3977	.2058	.462	.3629
%RSD	272.0	100.9	3228.	75.66	21.18	45.80
#1	-2.507	.0285	-.4615	.4254	-1.782	1.210
#2	-5.554	.4707	.1295	.3525	-2.075	.6083
#3	3.174	1.097	.2951	.0381	-2.688	.5584

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8348	.0055	.5173	-3.559
Stddev	.4906	.0818	.1934	7.103
%RSD	58.77	1475.	37.39	199.6
#1	-.2819	-.0495	.7020	-10.59
#2	-1.004	.0996	.5338	-3.696
#3	-1.218	-.0334	.3162	3.611

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	3260.4	37232.	5427.4
Stddev	13.6	131.	12.9
%RSD	.41646	.35086	.23684
#1	3256.0	37100.	5413.5
#2	3249.6	37361.	5430.1
#3	3275.6	37235.	5438.7

Sample Name: 460-110936-D-37-D@4 Acquired: 4/6/2016 0:16:45 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58270.	19.71	2.568	140.5	1.750	3981.
Stddev	749.	1.37	.337	2.0	.048	49.
%RSD	1.285	6.937	13.11	1.438	2.736	1.243

#1	57450.	18.61	2.335	138.4	1.776	3950.
#2	58420.	21.24	2.415	140.7	1.780	3954.
#3	58930.	19.28	2.954	142.4	1.695	4038.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0395	23.34	83.27	33.87	77220.	4254.
Stddev	.2287	.40	1.16	.67	710.	60.
%RSD	578.7	1.700	1.387	1.984	.9191	1.400

#1	-.2777	22.97	82.30	33.11	76650.	4186.
#2	-.0190	23.30	82.97	34.11	77010.	4281.
#3	.1782	23.76	84.55	34.39	78020.	4296.

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	6610.	713.8	246.4	39.23	65.35	1.069
Stddev	95.	7.5	10.2	.69	.95	.426
%RSD	1.441	1.050	4.147	1.756	1.455	39.88

#1	6513.	707.3	244.0	38.66	66.31	.6295
#2	6613.	712.2	237.6	39.04	64.41	1.481
#3	6703.	722.0	257.7	39.99	65.32	1.097

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

Sample Name: 460-110936-D-37-D@4 Acquired: 4/6/2016 0:16:45 Type: Unk
Method: sw03182016(v22) 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	-4.873	-2.345	132.2	144.4	2.977	3.426
Stddev	1.735	1.433	1.9	1.6	.302	.176
%RSD	356.1	61.10	1.474	1.109	10.15	5.148
#1	1.387	-8.594	130.3	143.2	3.326	3.395
#2	-.8104	-3.718	132.1	143.7	2.790	3.616
#3	-2.038	-2.457	134.2	146.2	2.816	3.267

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.471	41.58	1923.	850.7
Stddev	.600	.55	21.	29.6
%RSD	9.278	1.332	1.067	3.478
#1	6.548	40.97	1903.	825.9
#2	5.836	41.73	1921.	842.7
#3	7.030	42.04	1944.	883.5

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	3330.3	37893.	5675.9
Stddev	20.5	407.	93.4
%RSD	.61666	1.0730	1.6453
#1	3312.5	37429.	5579.6
#2	3352.8	38187.	5682.1
#3	3325.5	38062.	5766.0

Sample Name: 460-110936-D-46-D@4 Acquired: 4/6/2016 0:28:41 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	63040.	116.0	4.621	355.7	2.455	2967.
Stddev	153.	1.1	.228	.5	.045	16.
%RSD	.2429	.9445	4.928	.1395	1.836	.5396

#1	62870.	115.5	4.786	355.6	2.506	2977.
#2	63130.	115.2	4.361	355.3	2.423	2949.
#3	63140.	117.3	4.716	356.3	2.435	2976.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1022	23.86	252.8	175.9	98720.	7870.
Stddev	.0773	.07	.9	.2	255.	53.
%RSD	75.63	.2828	.3489	.0980	.2581	.6689

#1	.0653	23.79	253.5	175.8	98750.	7810.
#2	.1910	23.92	251.8	175.8	98450.	7911.
#3	.0502	23.87	253.2	176.1	98960.	7888.

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	13850.	700.5	1719.	61.85	495.8	.6652
Stddev	23.	.4	20.	.32	1.7	2.856
%RSD	.1691	.0581	1.160	.5208	.3349	429.4

#1	13880.	700.8	1696.	61.49	497.0	.0996
#2	13840.	700.1	1729.	61.95	493.9	3.762
#3	13840.	700.8	1733.	62.12	496.5	-1.866

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

Sample Name: 460-110936-D-46-D@4 Acquired: 4/6/2016 0:28:41 Type: Unk
Method: sw03182016(v22) 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	6.184	-.4955	161.0	471.3	19.10	3.052
Stddev	1.158	.5831	1.2	1.3	.35	.151
%RSD	18.73	117.7	.7574	.2851	1.843	4.952
#1	5.818	-.4138	159.8	472.8	19.15	3.218
#2	7.481	-1.115	161.0	470.4	18.73	3.017
#3	5.253	.0425	162.3	470.6	19.43	2.922

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	24.29	40.13	1846.	945.3
Stddev	.30	.24	2.	18.6
%RSD	1.224	.5879	.1311	1.966
#1	24.02	39.86	1845.	923.9
#2	24.61	40.24	1844.	954.4
#3	24.24	40.28	1849.	957.5

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	3472.3	39349.	5932.7
Stddev	10.3	266.	97.9
%RSD	.29670	.67536	1.6500
#1	3461.5	39043.	5819.6
#2	3482.0	39516.	5988.8
#3	3473.5	39489.	5989.6

Sample Name: 460-110936-C-55-C@4 Acquired: 4/6/2016 0:32:34 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	74460.	31.35	3.431	254.4	3.613	7358.
Stddev	602.	1.73	.275	.3	.022	48.
%RSD	.8084	5.513	8.024	.1293	.6089	.6494

#1	74060.	30.36	3.742	254.3	3.601	7304.
#2	74160.	30.33	3.219	254.8	3.638	7375.
#3	75150.	33.34	3.332	254.1	3.599	7394.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2997	38.30	179.1	53.39	102900.	9714.
Stddev	.1494	.14	2.3	.42	545.	43.
%RSD	49.84	.3707	1.292	.7821	.5294	.4468

#1	-.1282	38.28	176.9	53.24	102300.	9674.
#2	-.4016	38.45	178.9	53.08	103000.	9707.
#3	-.3693	38.17	181.5	53.87	103400.	9760.

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	20640.	1392.	3662.	85.67	84.15	-.9767
Stddev	147.	6.	20.	.42	.99	.6536
%RSD	.7099	.4021	.5344	.4860	1.171	66.92

#1	20470.	1385.	3661.	85.29	83.23	-.5760
#2	20720.	1395.	3644.	86.11	84.04	-.6231
#3	20740.	1395.	3683.	85.60	85.19	-1.731

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

Sample Name: 460-110936-C-55-C@4 Acquired: 4/6/2016 0:32:34 Type: Unk
Method: sw03182016(v22) 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	7.826	-.7297	166.1	305.8	25.75	1.971
Stddev	1.969	2.423	1.2	1.7	.26	.261
%RSD	25.16	332.1	.7182	.5713	.9996	13.22
#1	6.478	-.1078	165.0	304.0	26.03	1.797
#2	10.09	1.322	165.8	307.5	25.70	1.846
#3	6.915	-3.403	167.4	305.9	25.53	2.271

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9.772	84.76	2376.	945.0
Stddev	.973	.20	6.	14.7
%RSD	9.961	.2376	.2442	1.558
#1	10.58	84.78	2370.	933.2
#2	10.05	84.95	2379.	961.5
#3	8.690	84.55	2380.	940.2

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	3443.2	38736.	5865.0
Stddev	6.4	182.	84.2
%RSD	.18720	.47052	1.4352
#1	3449.0	38829.	5888.0
#2	3436.3	38854.	5935.3
#3	3444.3	38526.	5771.7

Sample Name: LCS 460-360214/2-A Acquired: 4/6/2016 0:40:30 Type: QC

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1896.	1696.	44.57	1781.	45.94	17970.
Stddev	12.	3.	.37	6.	.12	144.
%RSD	.6400	.1672	.8306	.3415	.2617	.8010

#1	1883.	1699.	44.21	1777.	45.80	17810.
#2	1896.	1696.	44.56	1778.	46.02	18000.
#3	1907.	1694.	44.95	1788.	46.00	18090.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45.59	462.7	182.4	215.6	865.3	16760.
Stddev	.16	1.4	.4	.9	8.1	64.
%RSD	.3443	.2959	.2418	.4051	.9376	.3803

#1	45.46	461.7	182.6	215.5	862.5	16690.
#2	45.55	462.3	182.7	216.5	858.9	16800.
#3	45.77	464.3	181.9	214.8	874.4	16800.

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	17240.	472.8	18730.	460.7	454.0	427.1
Stddev	78.	3.4	133.	1.0	1.2	2.7
%RSD	.4538	.7138	.7105	.2187	.2705	.6413

#1	17160.	469.3	18570.	459.8	454.7	424.8
#2	17230.	472.9	18800.	460.4	452.6	426.4
#3	17320.	476.1	18800.	461.8	454.8	430.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: LCS 460-360214/2-A Acquired: 4/6/2016 0:40:30 Type: QC
Method: sw03182016(v22) 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	1648.	1953.	455.1	477.9	428.1	442.9
Stddev	6.	9.	2.4	3.3	1.9	2.1
%RSD	.3659	.4644	.5220	.6991	.4474	.4794
#1	1654.	1943.	452.6	474.2	427.3	440.9
#2	1642.	1957.	455.1	478.7	426.7	442.7
#3	1648.	1960.	457.4	480.8	430.3	445.1

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	454.2	462.4	468.8	41.68
Stddev	2.4	2.1	2.4	16.50
%RSD	.5356	.4445	.5150	39.60
#1	452.0	460.1	466.4	24.98
#2	453.9	463.5	468.6	42.08
#3	456.8	463.8	471.3	57.98

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	3249.6	36938.	5581.2
Stddev	21.6	357.	90.2
%RSD	.66322	.96597	1.6162
#1	3272.3	37338.	5685.3
#2	3247.0	36824.	5524.8
#3	3229.4	36652.	5533.7

Sample Name: 460-111359-B-4-A DU Acquired: 4/6/2016 0:44:13 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3440.	3.821	.3892	38.89	.2098	31820.
Stddev	19.	.144	.4920	.10	.0468	53.
%RSD	.5383	3.764	126.4	.2618	22.29	.1674

#1	3433.	3.656	-.1197	38.79	.2213	31850.
#2	3426.	3.910	.4252	38.89	.1584	31760.
#3	3461.	3.899	.8623	39.00	.2498	31860.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1577	2.053	9.163	9.477	5317.	18720.
Stddev	.0506	.064	.635	.142	5.	26.
%RSD	32.10	3.096	6.934	1.500	.0999	.1370

#1	.1581	2.102	8.773	9.607	5323.	18740.
#2	.2080	2.074	9.896	9.498	5313.	18690.
#3	.1068	1.981	8.819	9.325	5316.	18740.

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	55950.	249.3	F 467700.	6.313	12.12	.0989
Stddev	116.	.4	1515.	.306	.83	1.923
%RSD	.2072	.1543	.3238	4.840	6.859	1945.

#1	55970.	248.9	468300.	6.015	12.90	1.701
#2	55820.	249.6	466000.	6.625	12.22	-2.033
#3	56050.	249.5	468900.	6.298	11.24	.6292

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111359-B-4-A DU Acquired: 4/6/2016 0:44:13 Type: Unk
Method: sw03182016(v22) 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	412.8	1.643	9.255	40.70	195.5	.9055
Stddev	1.6	.680	.475	.08	1.0	.1928
%RSD	.3891	41.37	5.129	.2044	.5065	21.29
#1	412.3	2.381	9.047	40.69	195.1	.9940
#2	411.5	1.042	8.921	40.78	194.7	.6844
#3	414.6	1.507	9.799	40.62	196.6	1.038

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.7548	393.3	142.9	7651.
Stddev	.1736	1.2	.8	31.
%RSD	23.00	.2931	.5483	.3988
#1	-.8826	392.4	143.7	7617.
#2	-.8246	392.8	142.1	7665.
#3	-.5572	394.6	142.8	7673.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3060.7	33810.	5388.8
Stddev	13.3	144.	22.3
%RSD	.43368	.42616	.41404
#1	3071.6	33676.	5365.8
#2	3064.6	33962.	5410.3
#3	3045.9	33792.	5390.5

Sample Name: 460-111359-D-4-A Acquired: 4/6/2016 0:48:17 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3370.	4.855	.5655	39.01	.2693	32200.
Stddev	20.	.312	.3651	.21	.1412	381.
%RSD	.5895	6.434	64.56	.5319	52.41	1.182
#1	3351.	4.622	.4599	39.05	.3018	31790.
#2	3391.	5.210	.2648	39.19	.1148	32550.
#3	3369.	4.732	.9717	38.78	.3915	32270.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0475	2.227	8.593	9.088	5343.	18770.
Stddev	.0413	.249	.335	.215	35.	179.
%RSD	87.02	11.20	3.899	2.361	.6572	.9538
#1	.0602	2.407	8.660	8.998	5303.	18580.
#2	.0013	1.943	8.890	8.932	5371.	18930.
#3	.0810	2.333	8.230	9.332	5353.	18810.

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	56590.	251.2	F 462500.	6.383	14.21	.3832
Stddev	492.	2.2	7662.	.503	1.74	2.192
%RSD	.8702	.8920	1.657	7.873	12.22	572.1
#1	56080.	248.9	453600.	6.692	12.25	1.937
#2	57070.	253.4	467300.	6.654	15.54	1.336
#3	56610.	251.3	466500.	5.803	14.85	-2.124

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111359-D-4-A Acquired: 4/6/2016 0:48:17 Type: Unk
Method: sw03182016(v22) 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	405.4	.4636	8.896	41.65	196.0	.7736
Stddev	6.9	2.147	.124	.45	.5	.0417
%RSD	1.705	463.1	1.395	1.084	.2475	5.392
#1	397.7	-1.229	8.970	41.13	196.5	.8003
#2	407.4	2.879	8.753	41.97	195.5	.7950
#3	411.1	-.2584	8.966	41.84	196.0	.7255

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2824	392.4	143.5	7594.
Stddev	.6525	3.0	1.7	60.
%RSD	231.1	.7740	1.156	.7961
#1	-.1115	389.6	145.2	7661.
#2	1.036	395.6	143.5	7576.
#3	-.0769	391.9	141.9	7544.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3012.0	33286.	5226.2
Stddev	8.1	390.	109.4
%RSD	.26746	1.1720	2.0941
#1	3020.1	33686.	5352.2
#2	3004.0	32907.	5154.4
#3	3012.0	33267.	5172.1

Sample Name: CCB Acquired: 4/6/2016 0:56:10 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.302	2.212	.3925	.0634	.0004	18.25
Stddev	7.662	.212	.0927	.1311	.0291	3.81
%RSD	178.1	9.565	23.63	206.6	7668.	20.89
#1	-1.932	2.053	.3243	.0938	.0253	22.54
#2	1.981	2.452	.4981	.1767	-.0317	15.24
#3	12.86	2.131	.3552	-.0801	.0075	16.96

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1477	.1288	-.1853	2.682	-6.830	11.78
Stddev	.0729	.0741	.3221	.250	.840	32.53
%RSD	49.35	57.54	173.8	9.301	12.30	276.3
#1	.1968	.2136	.0641	2.623	-5.870	45.81
#2	.1824	.0763	-.0710	2.956	-7.189	8.525
#3	.0639	.0965	-.5489	2.468	-7.431	-19.01

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	3.725	.0463	6.074	.2501	.3581	-.1647
Stddev	5.755	.0207	14.66	.3448	.3853	1.159
%RSD	154.5	44.77	241.4	137.9	107.6	703.9
#1	.5907	.0298	21.34	.0091	.2722	-1.503
#2	10.37	.0395	4.786	.6450	.0229	.4990
#3	.2188	.0696	-7.902	.0961	.7791	.5100

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

Sample Name: CCB Acquired: 4/6/2016 0:56:10 Type: QC
Method: sw03182016(v22) 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	-3.075	.4753	-.4215	.2729	-2.247	.7557
Stddev	1.561	.7040	.3996	.0421	.248	.3785
%RSD	50.75	148.1	94.80	15.43	11.03	50.08
#1	-4.196	.7905	-.0156	.2569	-2.042	1.136
#2	-3.738	.9666	-.4345	.3206	-2.178	.7516
#3	-1.293	-.3312	-.8144	.2411	-2.523	.3792

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5994	-.0550	.2186	5.944
Stddev	.6053	.1490	.2602	8.517
%RSD	101.0	270.9	119.1	143.3
#1	-.8507	.0693	.5158	-3.747
#2	-1.039	-.0141	.1077	9.335
#3	.0910	-.2202	.0321	12.24

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	3201.4	36551.	5292.8
Stddev	6.6	208.	26.2
%RSD	.20513	.56878	.49480
#1	3200.9	36641.	5287.2
#2	3208.3	36313.	5321.3
#3	3195.2	36698.	5269.8

Sample Name: CCVL Acquired: 4/6/2016 1:00:14 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	246.8	15.39	9.727	195.0	2.125	4824.
Stddev	12.0	1.00	.340	.7	.090	10.
%RSD	4.868	6.478	3.499	.3743	4.246	.2087

#1	257.6	16.27	10.10	194.8	2.172	4834.
#2	233.9	14.31	9.442	195.9	2.182	4814.
#3	249.0	15.60	9.636	194.4	2.021	4824.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.250	50.64	10.38	26.74	188.1	4696.
Stddev	.072	.27	.49	.15	8.0	34.
%RSD	1.700	.5376	4.728	.5780	4.242	.7310

#1	4.167	50.72	10.95	26.65	192.8	4683.
#2	4.293	50.86	10.12	26.92	178.9	4735.
#3	4.291	50.33	10.07	26.65	192.6	4670.

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	4628.	16.24	4933.	40.88	12.75	17.54
Stddev	21.	.05	20.	.29	.61	1.40
%RSD	.4605	.3154	.4017	.7202	4.820	7.960

#1	4640.	16.18	4910.	40.90	12.33	16.37
#2	4603.	16.28	4947.	41.17	13.46	19.09
#3	4640.	16.26	4941.	40.58	12.47	17.16

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/6/2016 1:00:14 Type: QC
Method: sw03182016(v22) 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	18.48	23.72	47.95	31.52	41.88	19.09
Stddev	.31	.51	.24	.21	.28	.28
%RSD	1.674	2.170	.4960	.6687	.6748	1.464

#1	18.23	23.59	48.15	31.34	41.81	19.38
#2	18.39	23.28	47.69	31.48	42.19	19.04
#3	18.83	24.29	48.00	31.75	41.64	18.83

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	46.22	20.50	20.84	F 9.627
Stddev	1.05	.10	.20	3.336
%RSD	2.272	.4967	.9795	34.65

#1	47.38	20.39	20.87	10.04
#2	45.34	20.59	20.62	6.103
#3	45.93	20.51	21.03	12.74

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3203.3	36600.	5320.5
Stddev	8.4	237.	38.6
%RSD	.26150	.64698	.72465

#1	3193.9	36596.	5276.2
#2	3206.0	36366.	5338.7
#3	3209.9	36839.	5346.6

Sample Name: 460-111359-E-4-A MS Acquired: 4/6/2016 1:08:13 Type: Unk

Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6158.	1628.	41.34	1646.	42.24	47760.
Stddev	47.	8.	.66	3.	.38	11.
%RSD	.7711	.4727	1.590	.2065	.8916	.0228

#1	6103.	1625.	41.95	1642.	41.84	47770.
#2	6182.	1622.	41.41	1649.	42.58	47750.
#3	6188.	1637.	40.64	1647.	42.31	47760.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40.77	410.8	178.0	204.9	6205.	34450.
Stddev	.21	1.1	1.0	2.0	50.	310.
%RSD	.5051	.2598	.5513	.9713	.8023	.8988

#1	40.61	410.4	178.1	205.2	6218.	34100.
#2	41.00	412.0	179.0	206.7	6246.	34690.
#3	40.69	410.0	177.0	202.8	6149.	34550.

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	71880.	661.3	F 472700.	414.5	417.8	385.8
Stddev	92.	1.7	2470.	1.5	.7	2.9
%RSD	.1279	.2619	.5224	.3509	.1719	.7587

#1	71790.	662.9	470900.	412.8	417.8	382.6
#2	71980.	661.4	475600.	415.3	418.5	386.4
#3	71880.	659.5	471800.	415.4	417.1	388.4

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111359-E-4-A MS Acquired: 4/6/2016 1:08:13 Type: Unk
Method: sw03182016(v22) 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	1955.	1636.	430.2	479.9	602.9	402.3
Stddev	13.	17.	2.9	1.5	3.5	1.9
%RSD	.6738	1.041	.6723	.3204	.5826	.4796
#1	1946.	1638.	428.2	480.0	599.2	400.1
#2	1948.	1618.	433.5	481.4	603.4	403.2
#3	1970.	1652.	428.8	478.3	606.2	403.7

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	406.7	799.6	564.5	9427.
Stddev	.3	6.3	2.7	7.
%RSD	.0830	.7932	.4838	.0778
#1	406.5	792.9	561.7	9434.
#2	407.1	805.6	567.2	9429.
#3	406.5	800.4	564.6	9419.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2950.3	33485.	5176.9
Stddev	8.0	131.	49.5
%RSD	.27061	.39242	.95536
#1	2952.5	33598.	5233.3
#2	2941.4	33516.	5156.7
#3	2956.9	33341.	5140.8

Sample Name: pds 460-111359-D-4-A Acquired: 4/6/2016 1:11:59 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5236.	1786.	44.70	1812.	46.51	48240.
Stddev	48.	3.	.51	2.	.12	265.
%RSD	.9127	.1549	1.133	.1010	.2595	.5490

#1	5276.	1785.	44.77	1814.	46.64	48390.
#2	5250.	1789.	45.16	1810.	46.49	48400.
#3	5183.	1785.	44.16	1812.	46.40	47940.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44.86	450.5	195.1	227.1	5928.	35710.
Stddev	.19	1.8	1.7	1.7	41.	218.
%RSD	.4286	.4016	.8585	.7638	.6960	.6095

#1	45.08	452.3	197.0	228.6	5973.	35870.
#2	44.78	450.6	193.8	225.2	5893.	35800.
#3	44.73	448.7	194.6	227.4	5916.	35460.

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	72430.	688.5	F 469300.	457.7	458.0	432.5
Stddev	248.	4.4	6393.	.1	1.8	.7
%RSD	.3430	.6402	1.362	.0175	.3986	.1564

#1	72540.	689.9	475400.	457.7	459.9	432.2
#2	72600.	692.1	469800.	457.6	456.3	432.0
#3	72140.	683.6	462700.	457.8	457.9	433.3

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: pds 460-111359-D-4-A Acquired: 4/6/2016 1:11:59 Type: Unk
Method: sw03182016(v22) 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	2120.	1790.	473.4	512.8	650.8	448.9
Stddev	1.	11.	2.8	1.8	1.6	.4
%RSD	.0257	.5920	.5887	.3502	.2514	.0814
#1	2120.	1802.	476.5	514.6	649.0	449.2
#2	2119.	1787.	471.3	512.8	651.4	448.5
#3	2120.	1781.	472.4	511.0	652.1	449.1

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	455.0	834.7	607.4	8004.
Stddev	.5	4.0	4.5	71.
%RSD	.1074	.4815	.7410	.8915
#1	454.7	836.0	612.6	7988.
#2	455.5	838.0	605.6	7941.
#3	454.7	830.2	604.2	8081.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2930.9	33831.	5205.6
Stddev	4.3	171.	51.8
%RSD	.14564	.50567	.99478
#1	2927.3	33710.	5177.4
#2	2929.9	33757.	5174.1
#3	2935.6	34027.	5265.4

Sample Name: 460-111377-K-2-A Acquired: 4/6/2016 1:19:30 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	478.0	5.430	.5336	204.7	.0522	194700.
Stddev	12.5	2.326	.2175	.6	.0749	450.
%RSD	2.611	42.83	40.77	.2687	143.4	.2311
#1	481.4	3.542	.7784	204.7	.0621	194300.
#2	488.5	8.028	.4595	205.3	-.0271	195200.
#3	464.2	4.721	.3628	204.2	.1217	194800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1125	3.325	.2913	6.251	19760.	40040.
Stddev	.1409	.360	.3794	.181	42.	22.
%RSD	125.2	10.84	130.2	2.897	.2132	.0547
#1	.2165	3.354	-.0063	6.405	19710.	40060.
#2	.1689	3.669	.1617	6.296	19790.	40030.
#3	-.0478	2.951	.7186	6.052	19780.	40020.

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	35610.	412.3	221200.	15.43	57.52	1.211
Stddev	110.	1.0	1507.	.67	1.85	1.031
%RSD	.3102	.2475	.6813	4.358	3.224	85.08
#1	35500.	411.2	222900.	14.66	57.82	1.221
#2	35720.	413.2	220400.	15.92	55.53	2.237
#3	35620.	412.5	220200.	15.72	59.20	.1760

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

Sample Name: 460-111377-K-2-A Acquired: 4/6/2016 1:19:30 Type: Unk
Method: sw03182016(v22) 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	195.1	.7984	1.014	279.7	486.9	3.144
Stddev	2.1	3.142	.186	.4	2.2	.154
%RSD	1.079	393.5	18.33	.1449	.4593	4.885
#1	197.6	3.558	.7998	279.7	488.3	3.271
#2	193.8	1.458	1.130	280.1	488.1	2.974
#3	194.0	-2.621	1.113	279.3	484.3	3.188

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.817	1296.	8.302	10440.
Stddev	1.157	4.	.147	20.
%RSD	30.31	.3068	1.770	.1910
#1	2.622	1301.	8.385	10440.
#2	4.932	1296.	8.132	10420.
#3	3.897	1293.	8.389	10460.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2908.2	33703.	5225.3
Stddev	2.5	124.	7.4
%RSD	.08475	.36733	.14178
#1	2907.4	33651.	5227.5
#2	2906.2	33613.	5217.0
#3	2910.9	33844.	5231.3

Sample Name: 460-111377-K-3-A Acquired: 4/6/2016 1:23:27 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	645.9	8.086	.1051	181.4	.0099	135700.
Stddev	18.2	.710	.4259	.2	.0662	986.
%RSD	2.816	8.783	405.4	.1369	670.5	.7270
#1	632.2	8.757	-.3828	181.1	.0013	134700.
#2	638.9	8.158	.4031	181.6	.0799	135700.
#3	666.5	7.342	.2949	181.4	-.0516	136600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1228	5.466	1.247	3.536	3093.	38460.
Stddev	.0649	.107	.314	.458	16.	191.
%RSD	52.83	1.959	25.14	12.95	.5164	.4964
#1	.0534	5.355	1.072	3.865	3088.	38670.
#2	.1331	5.473	1.609	3.013	3080.	38400.
#3	.1819	5.569	1.060	3.731	3111.	38290.

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	43790.	753.7	140100.	12.87	23.80	.8700
Stddev	259.	4.0	1283.	.58	.45	.9168
%RSD	.5917	.5341	.9156	4.469	1.883	105.4
#1	43540.	750.2	141400.	12.72	23.28	1.873
#2	43780.	752.8	140100.	12.39	24.04	.6630
#3	44050.	758.1	138900.	13.51	24.07	.0744

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

Sample Name: 460-111377-K-3-A Acquired: 4/6/2016 1:23:27 Type: Unk
Method: sw03182016(v22) 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	122.8	2.361	2.268	229.4	653.0	3.611
Stddev	2.0	1.847	.092	.9	3.1	.247
%RSD	1.639	78.23	4.073	.3744	.4766	6.848
#1	124.5	1.205	2.336	228.7	654.0	3.627
#2	123.2	4.491	2.162	230.4	655.5	3.357
#3	120.6	1.387	2.304	229.2	649.5	3.851

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.801	1051.	22.65	10590.
Stddev	.730	6.	.83	87.
%RSD	26.06	.6076	3.663	.8245
#1	2.196	1059.	22.20	10490.
#2	2.596	1048.	23.61	10650.
#3	3.612	1048.	22.14	10630.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2923.5	33953.	5225.6
Stddev	19.2	357.	9.1
%RSD	.65698	1.0517	.17432
#1	2938.1	34328.	5228.9
#2	2930.7	33916.	5232.6
#3	2901.8	33616.	5215.3

Sample Name: 460-111377-K-6-A Acquired: 4/6/2016 1:35:01 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	956.1	7.134	.0989	136.8	.0364	156500.
Stddev	19.9	1.120	.0868	.3	.0264	299.
%RSD	2.079	15.69	87.77	.2033	72.49	.1911
#1	957.2	6.892	.0141	137.1	.0648	156100.
#2	975.4	8.355	.0951	136.8	.0127	156700.
#3	935.7	6.155	.1875	136.6	.0317	156600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0149	2.220	1.065	4.152	19870.	35640.
Stddev	.0301	.190	.192	.465	86.	179.
%RSD	201.8	8.554	18.00	11.21	.4331	.5018
#1	.0179	2.075	1.222	3.858	19810.	35680.
#2	-.0166	2.435	.8514	3.909	19830.	35800.
#3	.0434	2.150	1.121	4.688	19970.	35450.

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	48610.	239.3	142200.	10.41	64.90	1.965
Stddev	118.	.7	713.	.31	2.07	.502
%RSD	.2424	.2717	.5009	2.987	3.187	25.57
#1	48570.	238.6	142600.	10.10	63.31	2.524
#2	48750.	239.4	142700.	10.41	67.24	1.818
#3	48530.	239.9	141400.	10.72	64.16	1.552

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

Sample Name: 460-111377-K-6-A Acquired: 4/6/2016 1:35:01 Type: Unk
Method: sw03182016(v22) 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	124.5	.7657	2.313	88.45	580.5	2.808
Stddev	2.6	1.677	.505	.28	.4	.115
%RSD	2.072	219.0	21.84	.3201	.0687	4.097
#1	127.2	-.7950	1.735	88.41	580.9	2.869
#2	122.0	2.539	2.669	88.18	580.5	2.675
#3	124.5	.5531	2.536	88.75	580.1	2.879

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.256	1101.	29.30	12350.
Stddev	.278	5.	.40	64.
%RSD	5.290	.4719	1.376	.5181
#1	5.315	1102.	29.77	12270.
#2	5.500	1107.	29.10	12370.
#3	4.953	1096.	29.04	12390.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2915.2	33545.	5231.8
Stddev	10.2	94.	73.2
%RSD	.34911	.27987	1.3990
#1	2905.7	33535.	5173.1
#2	2913.9	33457.	5208.4
#3	2925.9	33644.	5313.8

Sample Name: 460-111359-D-1-A Acquired: 4/6/2016 1:38:51 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4029.	8.094	.4201	59.56	.4596	34360.
Stddev	11.	1.358	.2829	.33	.0493	198.
%RSD	.2813	16.78	67.35	.5494	10.73	.5769
#1	4016.	9.215	.7433	59.67	.5033	34450.
#2	4039.	6.584	.2177	59.19	.4695	34490.
#3	4031.	8.484	.2992	59.81	.4061	34130.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4366	6.255	14.57	19.13	9757.	20330.
Stddev	.0948	.237	.35	.03	43.	53.
%RSD	21.71	3.787	2.424	.1388	.4457	.2585
#1	.4554	5.993	14.85	19.10	9708.	20320.
#2	.5205	6.453	14.18	19.16	9788.	20390.
#3	.3338	6.320	14.69	19.13	9777.	20280.

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	64740.	914.1	F 476900.	11.03	33.54	.8034
Stddev	217.	5.5	4651.	.43	1.55	1.399
%RSD	.3355	.6058	.9753	3.910	4.614	174.2
#1	64850.	914.9	473900.	11.49	32.53	1.591
#2	64870.	919.1	474500.	10.99	35.32	-8.123
#3	64490.	908.2	482200.	10.63	32.76	1.631

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111359-D-1-A Acquired: 4/6/2016 1:38:51 Type: Unk
Method: sw03182016(v22) 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	421.6	-.1867	17.52	113.4	226.1	.6825
Stddev	5.2	1.893	.32	.3	1.3	.1291
%RSD	1.222	1014.	1.801	.2973	.5539	18.92
#1	419.1	-2.119	17.27	113.8	226.0	.5350
#2	418.3	-.1045	17.42	113.1	224.9	.7748
#3	427.6	1.664	17.87	113.3	227.4	.7379

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2809	424.2	166.7	8172.
Stddev	.1656	.9	.9	39.
%RSD	58.96	.2218	.5444	.4761
#1	.1071	423.2	165.9	8216.
#2	.4369	425.1	167.7	8155.
#3	.2986	424.3	166.6	8144.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2957.7	33096.	5261.1
Stddev	16.1	211.	37.0
%RSD	.54288	.63702	.70420
#1	2939.3	32935.	5271.3
#2	2964.9	33019.	5220.0
#3	2968.9	33335.	5292.0

Sample Name: CCV Acquired: 4/6/2016 1:42:49 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	118600.	2408.	1173.	9736.	958.1	124000.
Stddev	576.	10.	9.	26.	2.1	1054.
%RSD	.4851	.3992	.7437	.2643	.2235	.8495

#1	118100.	2397.	1164.	9712.	957.0	122800.
#2	118600.	2413.	1174.	9764.	956.8	124500.
#3	119200.	2414.	1182.	9733.	960.6	124800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1216.	2411.	4972.	11770.	96100.	48000.
Stddev	3.	4.	21.	17.	535.	177.
%RSD	.2055	.1811	.4273	.1484	.5562	.3686

#1	1215.	2409.	4947.	11790.	95490.	47800.
#2	1219.	2416.	4980.	11760.	96430.	48100.
#3	1214.	2409.	4987.	11760.	96390.	48110.

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	123200.	4957.	118400.	2430.	7349.	931.9
Stddev	740.	37.	511.	5.	18.	2.9
%RSD	.6006	.7505	.4316	.2128	.2427	.3064

#1	122400.	4915.	117900.	2427.	7339.	928.8
#2	123500.	4969.	118400.	2436.	7370.	934.4
#3	123700.	4986.	118900.	2427.	7339.	932.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/6/2016 1:42:49 Type: QC
Method: sw03182016(v22) 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	2376.	2405.	2410.	2459.	949.4	2404.
Stddev	2.	17.	6.	7.	3.1	7.
%RSD	.0973	.7066	.2521	.2868	.3298	.3028

#1	2376.	2385.	2404.	2462.	945.8	2396.
#2	2374.	2415.	2410.	2464.	950.4	2411.
#3	2379.	2414.	2416.	2451.	951.8	2405.

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	972.1	4840.	9609.	8702.
Stddev	3.2	18.	45.	81.
%RSD	.3324	.3789	.4703	.9324

#1	969.6	4819.	9564.	8697.
#2	975.8	4848.	9655.	8785.
#3	971.1	4853.	9607.	8623.

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	2900.0	33156.	5180.7
Stddev	13.3	249.	61.8
%RSD	.45860	.75125	1.1937

#1	2899.4	33425.	5195.1
#2	2887.1	33109.	5234.1
#3	2913.6	32933.	5112.9

Sample Name: CCB Acquired: 4/6/2016 1:46:30 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.047	1.197	.0033	-.0146	-.0102	-2.148
Stddev	6.933	2.340	.0773	.1024	.0650	1.491
%RSD	338.6	195.5	2340.	699.0	634.7	69.42

#1	5.959	2.870	.0306	.0948	-.0784	-.6027
#2	-5.957	-1.477	-.0839	-.0307	-.0034	-3.578
#3	6.141	2.199	.0632	-.1080	.0510	-2.262

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0393	.0388	-.0568	1.053	-.6356	-6.433
Stddev	.1243	.1448	.3085	.318	2.362	9.591
%RSD	316.1	373.3	543.5	30.23	371.5	149.1

#1	-.1779	.0285	-.3957	1.112	-1.120	-17.49
#2	-.0026	.1884	.0177	1.337	-2.718	-1.423
#3	.0625	-.1006	.2077	.7089	1.930	-.3856

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	3.784	.1559	28.31	-.3056	.4195	.6955
Stddev	5.071	.0134	16.72	.0559	.8972	.7921
%RSD	134.0	8.568	59.05	18.28	213.9	113.9

#1	8.590	.1493	47.36	-.2423	1.453	1.598
#2	4.276	.1713	21.42	-.3268	-.1645	.3744
#3	-1.515	.1472	16.13	-.3478	-.0297	.1143

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

Sample Name: CCB Acquired: 4/6/2016 1:46:30 Type: QC
Method: sw03182016(v22) 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	-1.976	.6534	-.0164	.2382	-1.125	.9806
Stddev	1.444	1.208	.2124	.1348	.343	.5549
%RSD	73.08	184.8	1298.	56.59	30.43	56.59
#1	-.3147	-.7078	.0420	.3934	-.9431	1.557
#2	-2.930	1.071	.1608	.1502	-.9128	.9345
#3	-2.683	1.597	-.2518	.1711	-1.520	.4502

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4649	-.0057	.5049	8.784
Stddev	.1874	.0522	.3016	8.427
%RSD	40.30	907.9	59.74	95.93
#1	-.5269	.0537	.7233	17.92
#2	-.6134	-.0266	.1607	7.130
#3	-.2544	-.0443	.6307	1.307

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	3143.0	36088.	5282.9
Stddev	6.1	228.	27.1
%RSD	.19362	.63296	.51282
#1	3136.0	35841.	5252.3
#2	3146.3	36133.	5303.9
#3	3146.7	36291.	5292.6

Sample Name: CCVL Acquired: 4/6/2016 1:50:29 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	245.1	13.99	9.226	203.7	2.206	5038.
Stddev	6.8	.66	.193	.3	.044	6.
%RSD	2.768	4.748	2.094	.1483	1.976	.1288

#1	247.2	14.46	9.016	203.8	2.256	5031.
#2	237.5	14.28	9.264	203.4	2.176	5044.
#3	250.5	13.23	9.397	204.0	2.186	5038.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.314	51.90	11.06	26.84	192.2	4691.
Stddev	.025	.04	.04	.14	11.9	4.
%RSD	.5729	.0758	.3430	.5147	6.195	.0945

#1	4.342	51.86	11.07	26.80	182.9	4688.
#2	4.303	51.94	11.09	26.99	205.6	4696.
#3	4.296	51.90	11.02	26.72	187.9	4689.

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	4932.	16.85	4710.	42.19	12.73	18.26
Stddev	16.	.13	18.	.38	.84	1.19
%RSD	.3174	.7832	.3742	.8958	6.570	6.541

#1	4919.	16.72	4722.	42.35	13.65	16.88
#2	4928.	16.99	4719.	41.76	12.53	19.02
#3	4949.	16.82	4690.	42.47	12.02	18.87

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/6/2016 1:50:29 Type: QC
Method: sw03182016(v22) 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	21.74	23.15	49.19	32.07	45.18	19.78
Stddev	.74	2.13	.22	.31	.36	.12
%RSD	3.392	9.179	.4377	.9604	.7862	.6171

#1	20.90	23.11	49.29	31.80	45.36	19.77
#2	22.30	25.29	49.34	32.00	45.41	19.66
#3	22.02	21.04	48.95	32.41	44.77	19.90

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	49.32	20.50	21.02	F 7.527
Stddev	.83	.14	.22	16.20
%RSD	1.675	.6721	1.068	215.2

#1	48.54	20.55	20.80	25.49
#2	49.22	20.60	21.00	3.077
#3	50.19	20.34	21.25	-5.984

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3141.3	35805.	5319.3
Stddev	2.9	101.	39.8
%RSD	.09307	.28235	.74734

#1	3139.2	35837.	5319.2
#2	3144.6	35691.	5279.7
#3	3140.0	35886.	5359.2

Sample Name: 460-111359-D-3-A Acquired: 4/6/2016 1:58:22 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9570.	12.51	.8376	256.9	3.858	51160.
Stddev	56.	.24	.3972	1.1	.088	331.
%RSD	.5858	1.955	47.42	.4217	2.271	.6466

#1	9577.	12.32	.4016	256.7	3.838	50850.
#2	9622.	12.78	1.179	258.0	3.954	51510.
#3	9510.	12.42	.9327	255.9	3.782	51110.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.854	50.30	23.10	113.0	27570.	19650.
Stddev	.056	.30	.34	.8	207.	100.
%RSD	1.458	.5902	1.463	.6848	.7496	.5073

#1	3.909	50.48	22.85	112.2	27420.	19660.
#2	3.796	50.46	23.48	113.7	27800.	19750.
#3	3.859	49.96	22.95	113.2	27470.	19550.

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	64530.	8788.	F 405800.	55.72	150.8	-1.003
Stddev	278.	86.	3983.	.12	.6	.182
%RSD	.4303	.9748	.9817	.2189	.4130	18.17

#1	64400.	8726.	408400.	55.66	151.5	-.8711
#2	64850.	8886.	407700.	55.86	150.8	-1.210
#3	64340.	8753.	401200.	55.64	150.2	-.9261

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111359-D-3-A Acquired: 4/6/2016 1:58:22 Type: Unk
Method: sw03182016(v22) 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	358.6	2.279	95.52	905.2	210.8	.6584
Stddev	5.8	1.395	.78	3.4	1.5	.1639
%RSD	1.618	61.22	.8152	.3733	.7321	24.89
#1	363.0	.9767	95.85	905.7	211.3	.8244
#2	360.9	3.752	96.08	908.3	212.1	.4968
#3	352.1	2.108	94.63	901.6	209.1	.6539

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.9786	575.2	32.67	7927.
Stddev	.6839	2.6	.22	68.
%RSD	69.88	.4560	.6641	.8580
#1	-.2080	576.1	32.49	7976.
#2	-1.513	577.3	32.91	7850.
#3	-1.215	572.3	32.62	7957.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3279.9	36310.	5787.0
Stddev	8.8	247.	44.3
%RSD	.26932	.68137	.76468
#1	3289.8	36540.	5767.0
#2	3272.9	36048.	5756.3
#3	3277.0	36341.	5837.7

Sample Name: 460-109980-G-3-A Acquired: 4/6/2016 2:14:13 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	214.6	3.349	.2926	83.90	-.0064	14940.
Stddev	6.6	.731	.6201	.28	.0272	78.
%RSD	3.081	21.83	211.9	.3363	427.1	.5205
#1	222.2	2.533	.8018	83.65	.0247	15020.
#2	210.4	3.568	-.3980	83.86	-.0181	14870.
#3	211.1	3.946	.4739	84.21	-.0258	14920.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.105	1.011	366.5	5.543	3009.	7959.
Stddev	.043	.189	2.9	.345	15.	13.
%RSD	3.892	18.72	.7872	6.225	.4924	.1646
#1	1.148	.9445	369.1	5.195	3012.	7945.
#2	1.062	1.225	366.9	5.548	3023.	7971.
#3	1.105	.8642	363.4	5.885	2993.	7961.

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	4161.	76.26	37460.	25.21	5.817	-.4567
Stddev	32.	.08	216.	.54	1.105	.4255
%RSD	.7660	.1007	.5752	2.148	18.99	93.17
#1	4189.	76.35	37500.	24.89	5.602	-.9273
#2	4167.	76.21	37650.	24.91	4.835	-.3439
#3	4126.	76.23	37230.	25.84	7.013	-.0990

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

Sample Name: 460-109980-G-3-A Acquired: 4/6/2016 2:14:13 Type: Unk
Method: sw03182016(v22) 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	31.66	2.306	1.696	5.518	27.61	2.454
Stddev	1.07	.572	.255	.202	.18	.079
%RSD	3.376	24.81	15.03	3.664	.6457	3.198
#1	31.18	1.662	1.404	5.483	27.61	2.538
#2	32.88	2.502	1.809	5.336	27.44	2.382
#3	30.91	2.754	1.875	5.736	27.79	2.443

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6529	95.21	10.24	5709.
Stddev	.5827	.32	.12	85.
%RSD	89.24	.3371	1.148	1.490
#1	-.7672	94.91	10.11	5614.
#2	-.0216	95.17	10.27	5778.
#3	-1.170	95.55	10.34	5736.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3236.9	36461.	5482.1
Stddev	3.9	316.	104.3
%RSD	.11948	.86596	1.9023
#1	3241.4	36101.	5362.6
#2	3234.7	36692.	5528.4
#3	3234.7	36589.	5555.1

Sample Name: 460-109980-G-4-A Acquired: 4/6/2016 2:18:06 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	821.1	3.166	.3136	120.6	.1833	17820.
Stddev	8.4	1.167	.2541	.5	.1006	108.
%RSD	1.022	36.85	81.02	.4005	54.91	.6057
#1	816.8	1.820	.6055	120.1	.1524	17840.
#2	830.8	3.794	.1414	120.8	.2957	17920.
#3	815.7	3.885	.1941	121.0	.1017	17700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5933	1.758	66.73	4.646	2199.	3641.
Stddev	.0171	.054	.91	.521	19.	12.
%RSD	2.884	3.070	1.358	11.21	.8466	.3206
#1	.5797	1.817	66.85	4.992	2193.	3651.
#2	.5877	1.711	67.57	4.899	2220.	3644.
#3	.6125	1.746	65.77	4.047	2184.	3628.

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	3526.	448.5	39480.	8.178	7.643	-.3712
Stddev	35.	2.5	161.	.384	.735	.9746
%RSD	.9902	.5474	.4089	4.694	9.615	262.5
#1	3539.	448.9	39420.	8.598	7.806	.1287
#2	3553.	450.7	39660.	7.845	8.283	.2519
#3	3487.	445.8	39350.	8.092	6.840	-1.494

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

Sample Name: 460-109980-G-4-A Acquired: 4/6/2016 2:18:06 Type: Unk
Method: sw03182016(v22) 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	34.44	.4973	2.859	5.541	66.22	.1548
Stddev	1.08	1.534	.481	.127	.35	.1118
%RSD	3.125	308.5	16.82	2.289	.5343	72.20
#1	33.22	-.8760	2.660	5.538	65.91	.0810
#2	34.88	2.153	3.407	5.670	66.14	.1000
#3	35.23	.2152	2.509	5.417	66.61	.2834

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4786	91.53	22.72	5565.
Stddev	.4326	.09	.12	30.
%RSD	90.40	.0973	.5168	.5431
#1	-.1355	91.58	22.68	5534.
#2	-.3357	91.42	22.85	5564.
#3	-.9646	91.58	22.63	5595.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3200.1	36032.	5317.9
Stddev	6.1	239.	45.5
%RSD	.19007	.66284	.85640
#1	3207.0	36053.	5360.9
#2	3195.5	35784.	5270.2
#3	3197.9	36260.	5322.4

Sample Name: CCB Acquired: 4/6/2016 2:37:26 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.29	.0787	.0706	.4179	.0401	12.50
Stddev	10.46	2.075	.3445	.4374	.0408	2.61
%RSD	85.17	2635.	487.8	104.7	101.6	20.89
#1	16.17	1.221	-.2885	.9158	-.0043	13.20
#2	20.25	-2.316	.1021	.0956	.0759	14.68
#3	.4344	1.331	.3983	.2424	.0488	9.606

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1095	.0666	.0326	1.390	.4928	-2.634
Stddev	.0806	.1912	.3255	.038	6.737	45.68
%RSD	73.61	287.4	998.4	2.737	1367.	1734.
#1	.1570	.2780	.0145	1.434	1.514	48.64
#2	.1550	.0161	.3668	1.367	6.661	-38.98
#3	.0164	-.0944	-.2835	1.369	-6.697	-17.57

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	5.626	.0886	3.517	.4159	.8218	.4044
Stddev	5.260	.1360	8.746	.1571	.5265	.7299
%RSD	93.50	153.6	248.7	37.77	64.07	180.5
#1	7.578	.2258	10.75	.5434	1.163	-.3646
#2	-.3310	.0861	6.001	.2404	1.087	1.088
#3	9.630	-.0462	-6.202	.4639	.2154	.4904

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

Sample Name: CCB Acquired: 4/6/2016 2:37:26 Type: QC
Method: sw03182016(v22) 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	-.1877	1.236	.0145	.1113	-2.514	1.041
Stddev	.1561	1.479	.1645	.1318	.224	.664
%RSD	83.18	119.6	1132.	118.4	8.923	63.84
#1	-.0088	-.4525	.0888	.2246	-2.630	1.736
#2	-.2962	1.862	.1289	.1428	-2.255	.9728
#3	-.2581	2.299	-.1740	-.0333	-2.656	.4127

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6012	-.0783	.4653	-7.360
Stddev	.3866	.0306	.1695	6.594
%RSD	64.31	39.11	36.43	89.59
#1	-.6935	-.0547	.6609	-6.882
#2	-.1768	-.1129	.3624	-14.18
#3	-.9332	-.0673	.3725	-1.018

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	3196.4	36653.	5222.4
Stddev	6.8	413.	110.6
%RSD	.21141	1.1261	2.1175
#1	3188.7	36203.	5097.6
#2	3199.3	37014.	5308.3
#3	3201.2	36742.	5261.2

Sample Name: CCVL Acquired: 4/6/2016 2:41:26 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	235.9	14.60	9.816	196.0	2.264	4921.
Stddev	7.6	1.48	.499	1.0	.053	45.
%RSD	3.206	10.12	5.080	.5199	2.350	.9078

#1	239.0	15.26	9.482	194.9	2.313	4870.
#2	241.4	12.91	9.576	196.0	2.273	4938.
#3	227.3	15.63	10.39	197.0	2.207	4954.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.278	50.95	10.62	27.15	184.5	4710.
Stddev	.055	.30	.29	.44	8.9	28.
%RSD	1.282	.5984	2.761	1.634	4.799	.5919

#1	4.259	50.62	10.95	26.66	175.8	4688.
#2	4.340	51.02	10.47	27.28	193.5	4700.
#3	4.235	51.21	10.43	27.52	184.3	4742.

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	4724.	16.64	4910.	40.81	11.95	16.63
Stddev	66.	.17	26.	.41	.64	.76
%RSD	1.388	1.030	.5289	1.008	5.350	4.597

#1	4661.	16.45	4921.	40.35	12.63	15.90
#2	4718.	16.68	4880.	41.12	11.36	17.42
#3	4792.	16.78	4929.	40.97	11.86	16.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/6/2016 2:41:26 Type: QC
Method: sw03182016(v22) 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	20.36	23.85	48.38	32.03	42.88	19.04
Stddev	.35	1.67	.64	.21	.79	.12
%RSD	1.727	7.014	1.325	.6408	1.840	.6077

#1	19.96	22.14	48.07	31.85	42.04	18.91
#2	20.50	23.92	47.95	31.99	42.98	19.11
#3	20.62	25.48	49.12	32.25	43.61	19.10

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	46.72	20.52	20.98	F 8.795
Stddev	.51	.16	.13	14.78
%RSD	1.082	.7932	.6342	168.1

#1	46.14	20.38	20.98	22.06
#2	47.00	20.49	20.84	-7.139
#3	47.04	20.70	21.10	11.46

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3234.1	36659.	5323.9
Stddev	10.4	212.	34.8
%RSD	.32118	.57739	.65453

#1	3244.1	36886.	5337.1
#2	3223.4	36466.	5350.2
#3	3234.9	36626.	5284.4

Sample Name: 460-109980-G-7-A Acquired: 4/6/2016 2:29:49 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	179.9	2.059	.3245	49.18	.0074	20250.
Stddev	8.1	.875	.2922	.09	.0637	83.
%RSD	4.504	42.52	90.04	.1824	863.3	.4088
#1	175.5	2.919	.5964	49.08	-.0602	20160.
#2	174.9	1.169	.0156	49.23	.0159	20270.
#3	189.2	2.088	.3615	49.24	.0664	20320.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0993	.6971	41.22	4.891	302.5	9786.
Stddev	.0734	.1948	.61	.667	13.8	78.
%RSD	73.94	27.95	1.488	13.63	4.547	.7945
#1	.0537	.4753	40.58	5.606	288.5	9718.
#2	.0602	.8407	41.80	4.286	316.0	9769.
#3	.1839	.7753	41.30	4.781	302.8	9871.

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	4710.	71.33	35380.	4.528	6.963	-1.093
Stddev	37.	.73	69.	.115	.313	1.130
%RSD	.7807	1.020	.1946	2.547	4.495	103.4
#1	4669.	70.52	35450.	4.395	7.305	-.6847
#2	4740.	71.94	35380.	4.604	6.690	-2.371
#3	4719.	71.54	35320.	4.585	6.893	-.2244

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

Sample Name: 460-109980-G-7-A Acquired: 4/6/2016 2:29:49 Type: Unk
Method: sw03182016(v22) 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	29.43	-1.122	.9482	8.421	30.76	.2779
Stddev	2.21	1.050	.1397	.106	.58	.1771
%RSD	7.522	93.58	14.73	1.261	1.873	63.73
#1	29.65	.0872	1.021	8.344	30.91	.4314
#2	27.12	-1.650	.7872	8.542	30.13	.3184
#3	31.53	-1.802	1.036	8.377	31.25	.0841

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3553	137.2	6.476	6919.
Stddev	.8112	.7	.084	44.
%RSD	228.3	.4903	1.295	.6411
#1	.3388	136.4	6.523	6868.
#2	-.4475	137.6	6.526	6942.
#3	1.175	137.5	6.379	6947.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3195.1	36102.	5496.7
Stddev	16.2	152.	12.5
%RSD	.50647	.42102	.22762
#1	3211.1	36171.	5482.9
#2	3195.5	36207.	5500.1
#3	3178.8	35928.	5507.2

Sample Name: 460-109980-E-9-A Acquired: 4/6/2016 2:49:17 Type: Unk
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	89.07	.0728	-.0018	80.57	.0728	22320.
Stddev	5.89	1.166	.3074	.18	.0226	124.
%RSD	6.617	1602.	16660.	.2233	31.04	.5542
#1	93.12	1.371	-.1211	80.44	.0477	22260.
#2	82.31	-.2673	.3473	80.78	.0914	22240.
#3	91.79	-.8849	-.2317	80.51	.0794	22460.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3502	.2735	.5991	2.433	3.167	2589.
Stddev	.0817	.2273	.3550	.386	3.718	30.
%RSD	23.32	83.09	59.26	15.89	117.4	1.168
#1	.2651	.4587	.8109	2.872	-1.028	2562.
#2	.4280	.3418	.7971	2.278	4.475	2584.
#3	.3576	.0199	.1892	2.148	6.054	2622.

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	5686.	167.9	118600.	1.883	3.686	-.3267
Stddev	24.	1.1	515.	.121	1.263	.3216
%RSD	.4276	.6666	.4344	6.431	34.26	98.41
#1	5703.	166.7	118800.	1.933	2.325	-.1377
#2	5658.	168.3	119000.	1.745	3.913	-.1445
#3	5697.	168.8	118000.	1.971	4.820	-.6980

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

Sample Name: 460-109980-E-9-A Acquired: 4/6/2016 2:49:17 Type: Unk
Method: sw03182016(v22) 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	103.1	.7414	.2542	17.02	33.48	-.1351
Stddev	2.5	.9806	.2237	.19	.31	.2270
%RSD	2.430	132.3	88.00	1.109	.9191	168.1
#1	106.0	.3575	.2925	16.99	33.13	.0126
#2	102.0	1.856	.0138	16.84	33.64	-.3965
#3	101.3	.0109	.4563	17.22	33.68	-.0213

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6746	113.7	1.670	3881.
Stddev	1.048	.2	.105	17.
%RSD	155.3	.1929	6.260	.4363
#1	.4215	113.7	1.786	3890.
#2	-1.666	113.5	1.583	3862.
#3	-.7789	114.0	1.641	3892.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3184.8	36165.	5481.6
Stddev	2.9	168.	48.0
%RSD	.09142	.46353	.87605
#1	3187.6	36103.	5525.5
#2	3184.8	36355.	5488.9
#3	3181.8	36038.	5430.3

Sample Name: CCV Acquired: 4/6/2016 2:53:12 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121500.	2315.	1181.	9289.	957.1	119400.
Stddev	467.	1.	2.	11.	1.5	199.
%RSD	.3847	.0389	.1679	.1181	.1537	.1666

#1	121000.	2315.	1179.	9287.	955.5	119600.
#2	121500.	2314.	1180.	9279.	957.3	119300.
#3	122000.	2316.	1183.	9301.	958.4	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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1175.	2357.	4669.	11510.	97100.	47850.
Stddev	2.	7.	9.	32.	199.	144.
%RSD	.1466	.2884	.1903	.2767	.2050	.3015

#1	1173.	2352.	4679.	11480.	96950.	47690.
#2	1174.	2355.	4661.	11510.	97020.	47890.
#3	1177.	2365.	4666.	11540.	97330.	47970.

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	116500.	4834.	123300.	2315.	6911.	920.1
Stddev	167.	2.	595.	3.	9.	1.4
%RSD	.1435	.0326	.4828	.1468	.1302	.1489

#1	116700.	4833.	122600.	2314.	6911.	921.4
#2	116300.	4833.	123300.	2312.	6901.	918.7
#3	116600.	4836.	123800.	2318.	6919.	920.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/6/2016 2:53:12 Type: QC
Method: sw03182016(v22) 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	2299.	2401.	2358.	2432.	902.8	2319.
Stddev	6.	7.	3.	17.	3.2	2.
%RSD	.2730	.2899	.1349	.6800	.3560	.1026

#1	2303.	2394.	2354.	2417.	906.4	2316.
#2	2303.	2408.	2360.	2428.	900.2	2320.
#3	2292.	2402.	2359.	2450.	901.8	2320.

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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	931.2	4853.	9715.	8535.
Stddev	3.4	26.	82.	61.
%RSD	.3670	.5266	.8451	.7161

#1	929.6	4825.	9682.	8464.
#2	928.8	4861.	9809.	8572.
#3	935.1	4874.	9656.	8567.

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	3026.1	34479.	5315.3
Stddev	13.3	131.	54.0
%RSD	.43892	.37862	1.0163

#1	3030.6	34328.	5254.2
#2	3036.6	34558.	5356.5
#3	3011.2	34550.	5335.3

Sample Name: CCVL Acquired: 4/6/2016 3:00:57 Type: QC
Method: sw03182016(v22) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	239.3	14.45	9.674	195.2	2.138	4864.
Stddev	10.9	1.88	.312	.3	.044	5.
%RSD	4.544	13.04	3.222	.1289	2.072	.1051
#1	250.5	14.36	9.938	195.0	2.130	4866.
#2	238.4	16.38	9.754	195.5	2.098	4858.
#3	228.8	12.61	9.330	195.3	2.186	4868.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.177	50.69	10.62	26.70	176.2	4688.
Stddev	.142	.22	.11	.48	8.2	17.
%RSD	3.406	.4289	1.037	1.796	4.637	.3526
#1	4.017	50.44	10.71	26.98	174.0	4669.
#2	4.230	50.84	10.50	26.15	169.4	4700.
#3	4.286	50.79	10.65	26.97	185.3	4695.

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	4686.	16.46	4900.	40.99	11.46	17.81
Stddev	19.	.10	22.	.13	1.20	.60
%RSD	.4113	.5901	.4390	.3286	10.43	3.391
#1	4664.	16.54	4912.	40.84	12.51	18.49
#2	4693.	16.48	4913.	41.09	10.16	17.33
#3	4701.	16.35	4875.	41.04	11.72	17.61

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/6/2016 3:00:57 Type: QC
Method: sw03182016(v22) 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	20.07	23.57	48.19	31.46	42.95	18.94
Stddev	.66	.68	.19	.16	.38	.28
%RSD	3.275	2.880	.3987	.4941	.8814	1.471

#1	19.95	24.11	48.09	31.46	42.89	18.68
#2	19.49	23.79	48.41	31.30	42.60	18.91
#3	20.78	22.81	48.07	31.61	43.35	19.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

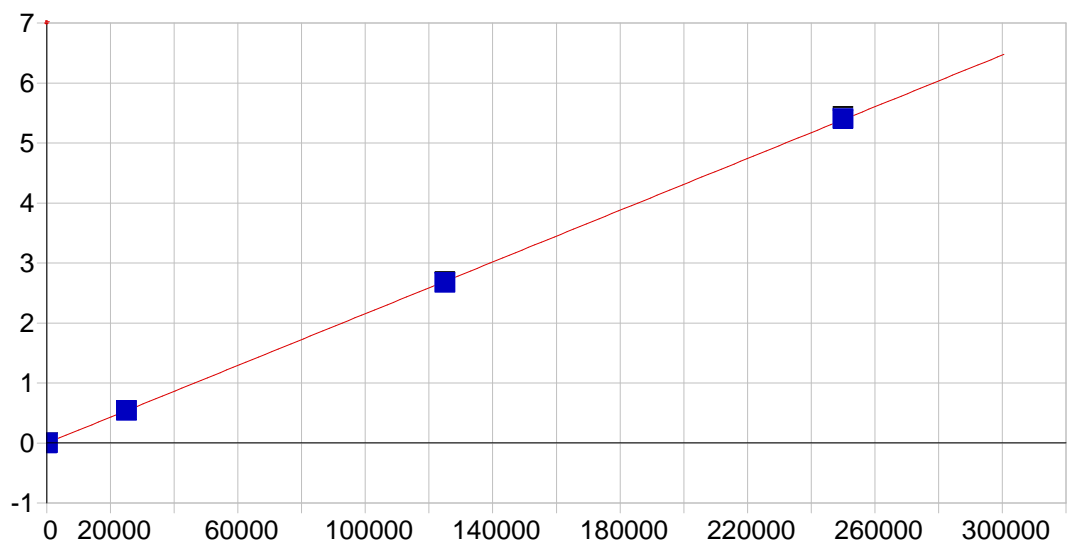
Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	47.60	20.42	20.95	F 6.507
Stddev	.66	.12	.16	6.990
%RSD	1.393	.5666	.7751	107.4

#1	47.34	20.47	20.76	-1.564
#2	48.35	20.29	21.01	10.43
#3	47.10	20.50	21.06	10.65

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3203.3	36757.	5309.9
Stddev	5.5	180.	59.7
%RSD	.17258	.49105	1.1242

#1	3208.7	36902.	5365.7
#2	3197.6	36814.	5247.0
#3	3203.5	36555.	5317.0

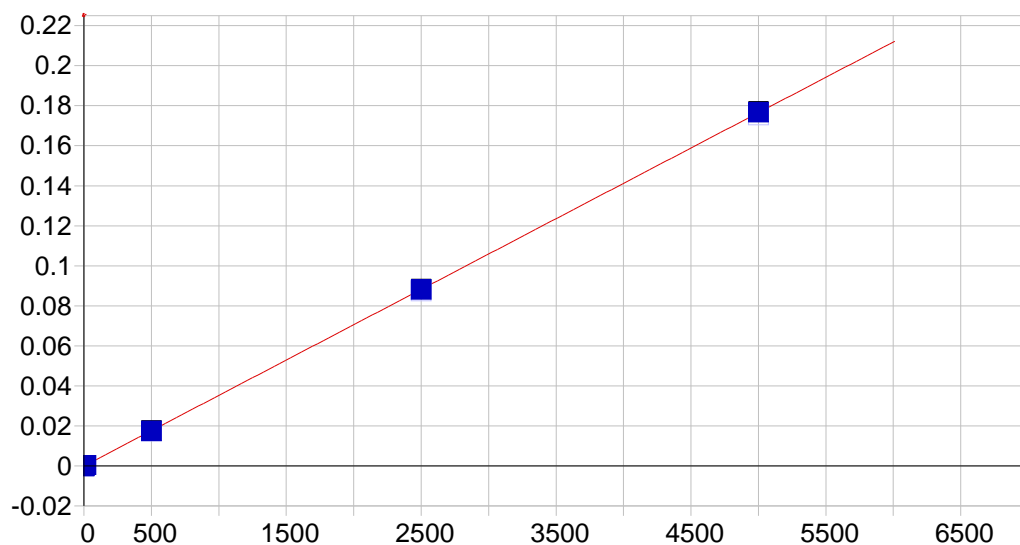


AI 396.152 { 85}

Date of Fit: 4/9/2016 17:24:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000704 Re-Slope: 1.000000
 A1 (Gain): 0.000022 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999988 Status: OK.
 Std Error of Est: 0.000038
 Predicted MDL: 14.658540
 Predicted MQL: 48.861799

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.01004	.010	.000	-.00070	.000	1
CAL2	200.00	190.35	-9.65	-4.82	.00341	.000	1
CAL3	25000.	25041.	40.7	.163	.53941	.001	1
CAL4	125000.	124130.	-871.	-.697	2.6767	.007	1
CAL5	250000.	250840.	840.	.336	5.4098	.027	1

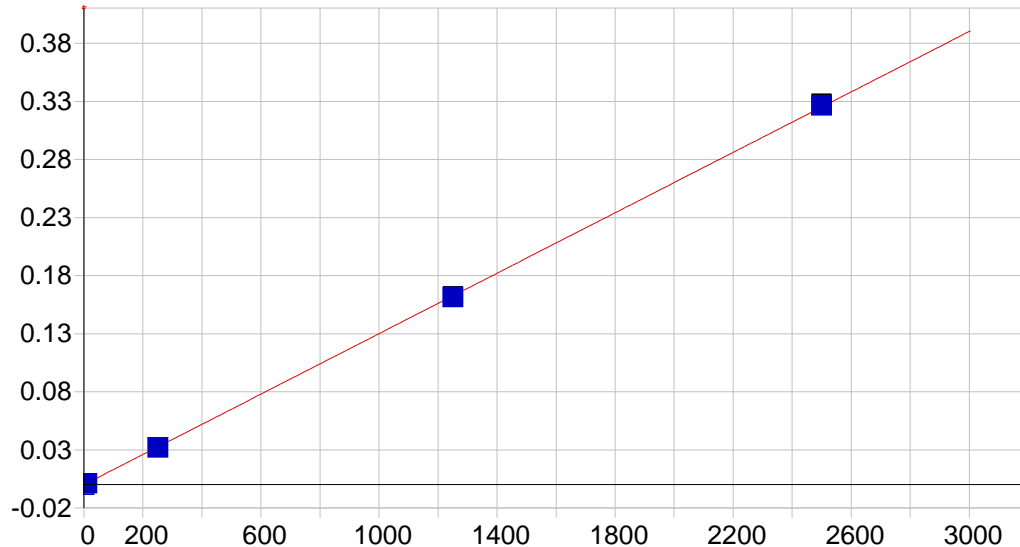


As 189.042 {478}

Date of Fit: 4/9/2016 17:24:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000099 Re-Slope: 1.000000
 A1 (Gain): 0.000035 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999981 Status: OK.
 Std Error of Est: 0.000002
 Predicted MDL: 1.873057
 Predicted MQL: 6.243523

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00087	-.001	.000	-.00010	.000	1
CAL2	15.000	14.476	-.524	-3.49	.00041	.000	1
CAL3	500.00	495.98	-4.02	-.804	.01727	.000	1
CAL4	2500.0	2497.0	-3.00	-.120	.08736	.000	1
CAL5	5000.0	5006.5	6.46	.129	.17525	.000	1
CAL1	5.0000	6.0801	1.08	21.6	.00012	.000	1

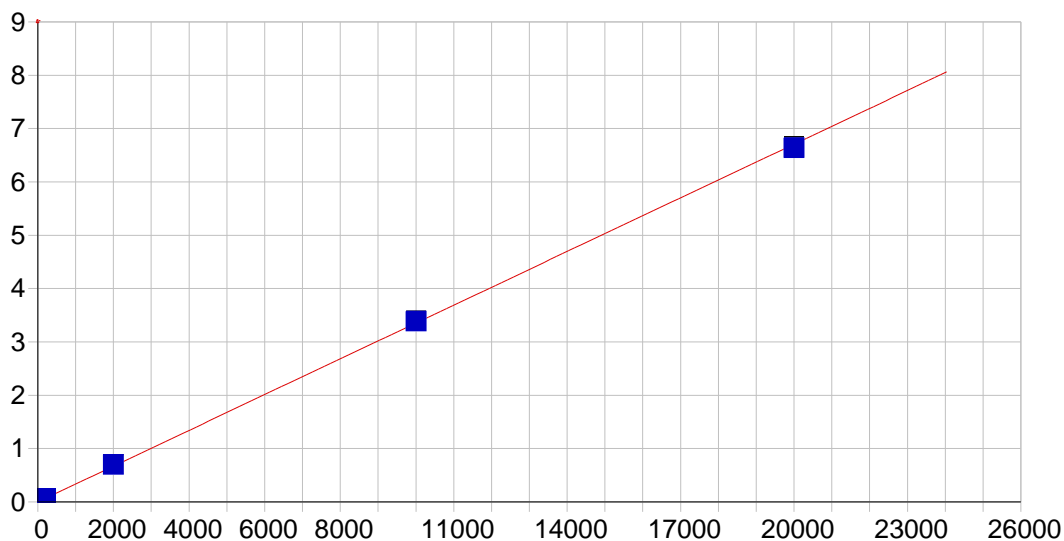


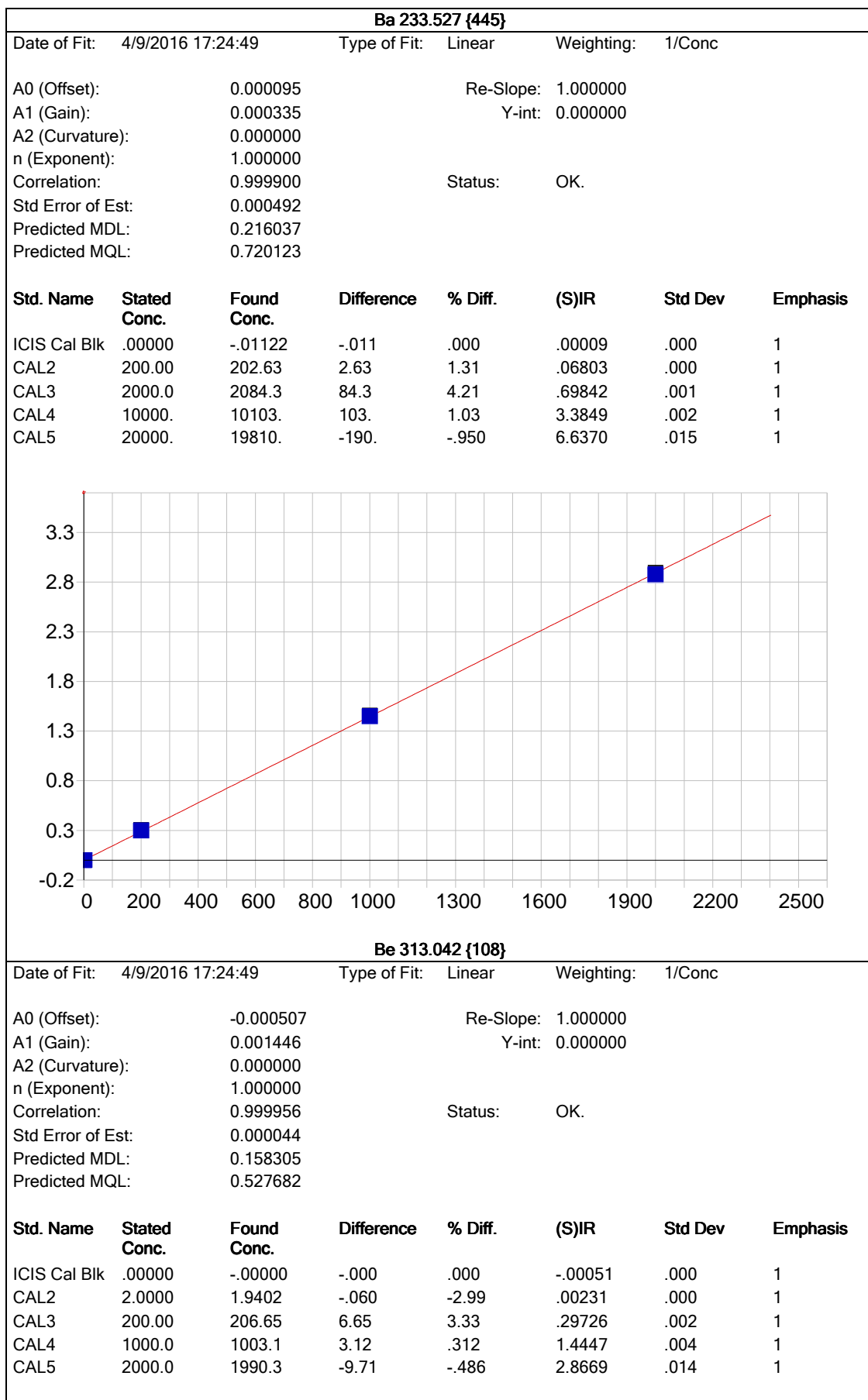
Ag 328.068 {103}

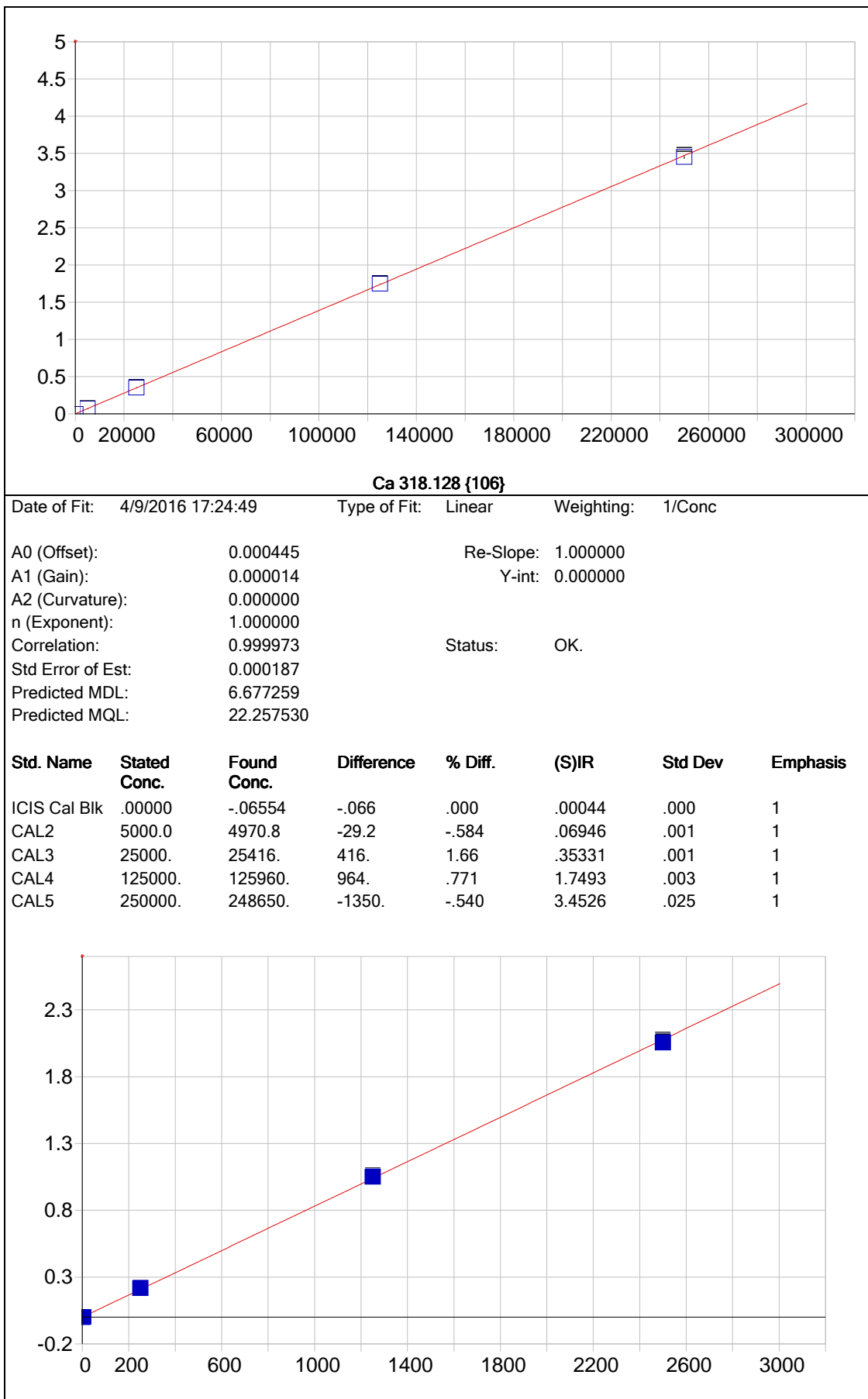
Date of Fit: 4/9/2016 17:24:49 Type of Fit: Linear Weighting: 1/Conc

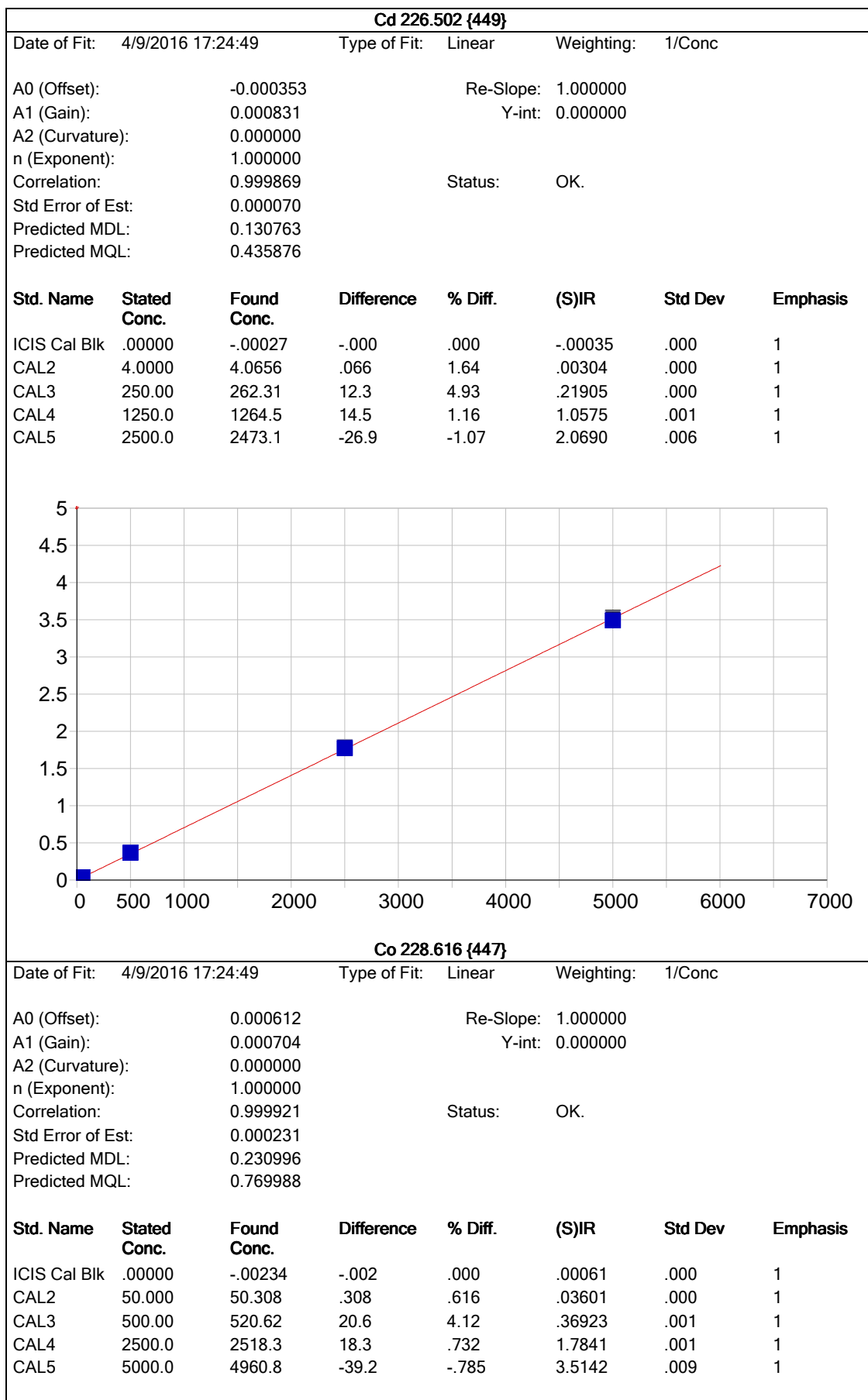
A0 (Offset): -0.000045 Re-Slope: 1.000000
 A1 (Gain): 0.000130 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999976 Status: OK.
 Std Error of Est: 0.000007
 Predicted MDL: 0.632311
 Predicted MQL: 2.107703

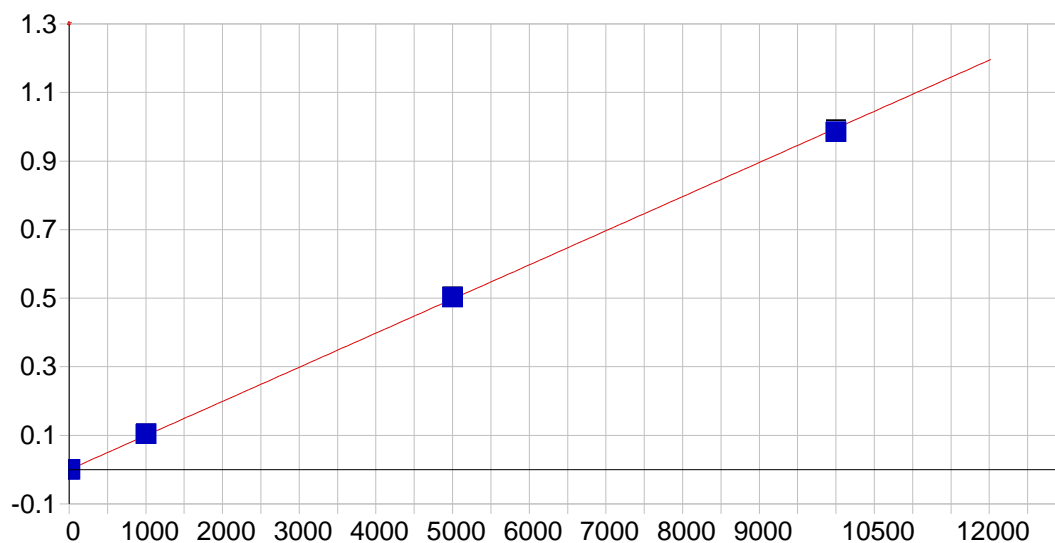
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00071	.001	.000	-.00005	.000	1
CAL2	10.000	9.4663	-.534	-5.34	.00118	.000	1
CAL3	250.00	245.99	-4.01	-1.61	.03187	.000	1
CAL4	1250.0	1242.6	-7.36	-.588	.16119	.000	1
CAL5	2500.0	2511.9	11.9	.476	.32590	.001	1









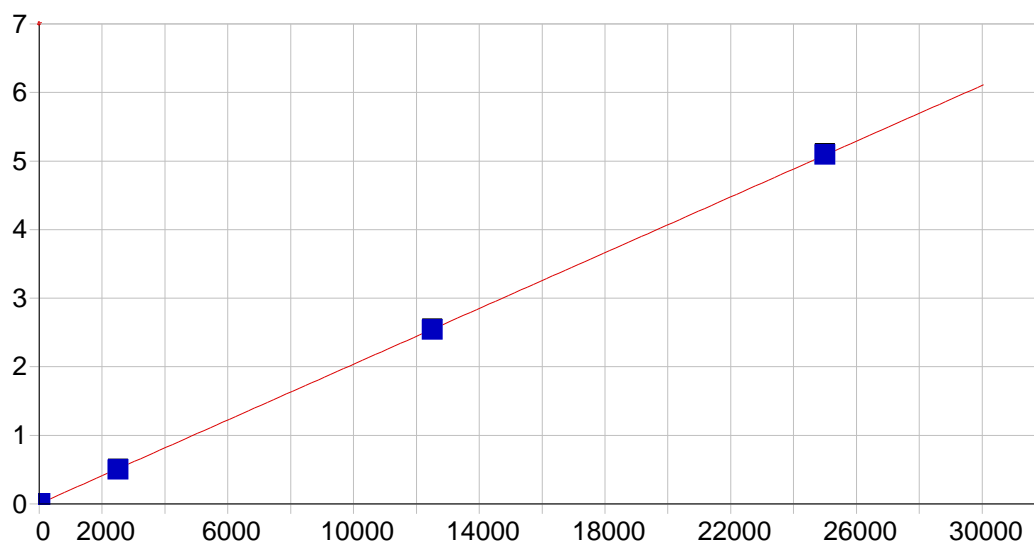


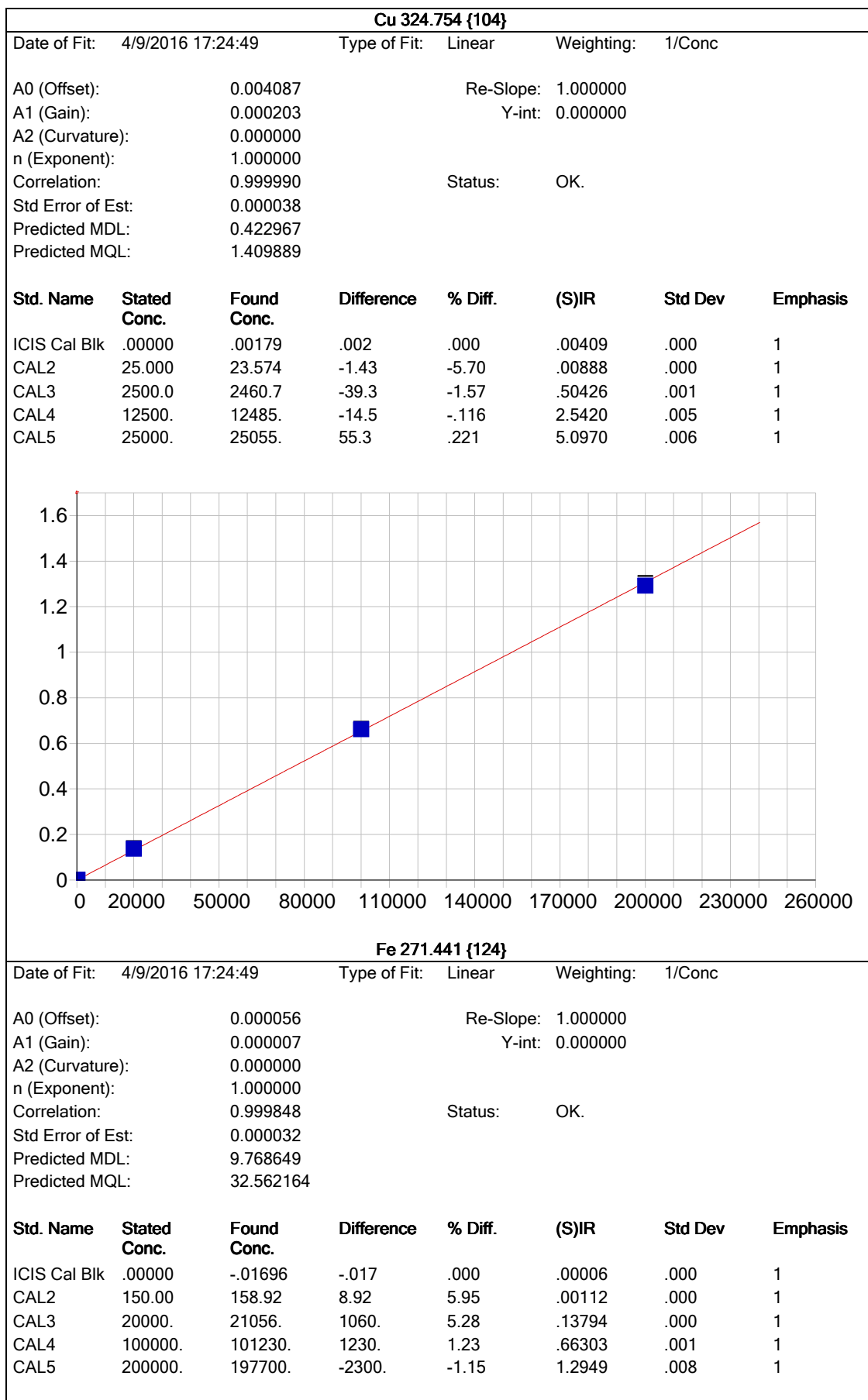
Cr 267.716 {126}

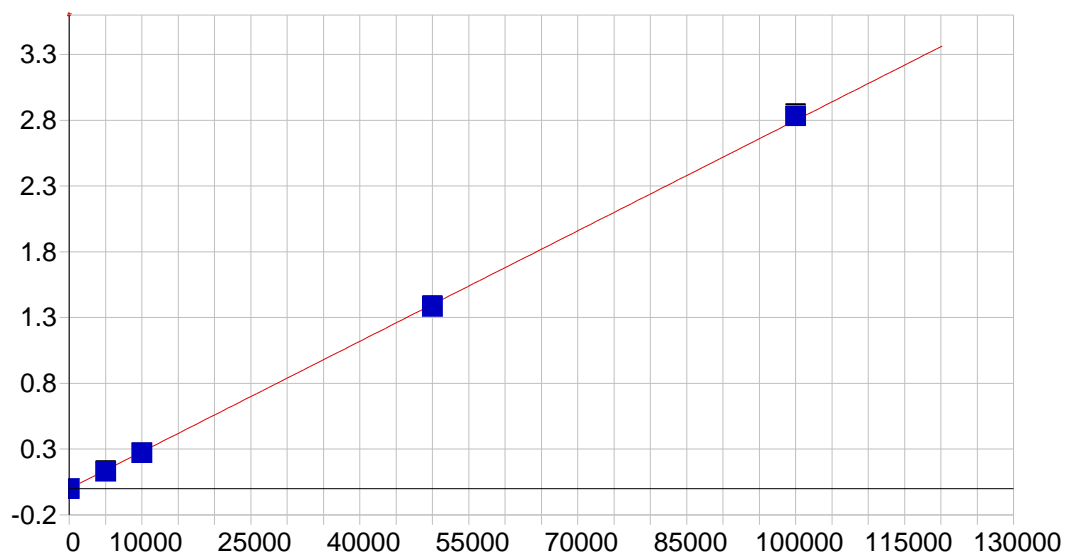
Date of Fit: 4/9/2016 17:24:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000046 Re-Slope: 1.000000
 A1 (Gain): 0.000100 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999876 Status: OK.
 Std Error of Est: 0.000026
 Predicted MDL: 0.563325
 Predicted MQL: 1.877749

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00073	-.001	.000	-.00005	.000	1
CAL2	10.000	10.231	.231	2.31	.00098	.000	1
CAL3	1000.0	1049.4	49.4	4.94	.10443	.000	1
CAL4	5000.0	5050.9	50.9	1.02	.50280	.000	1
CAL5	10000.	9899.5	-101.	-1.01	.98552	.005	1





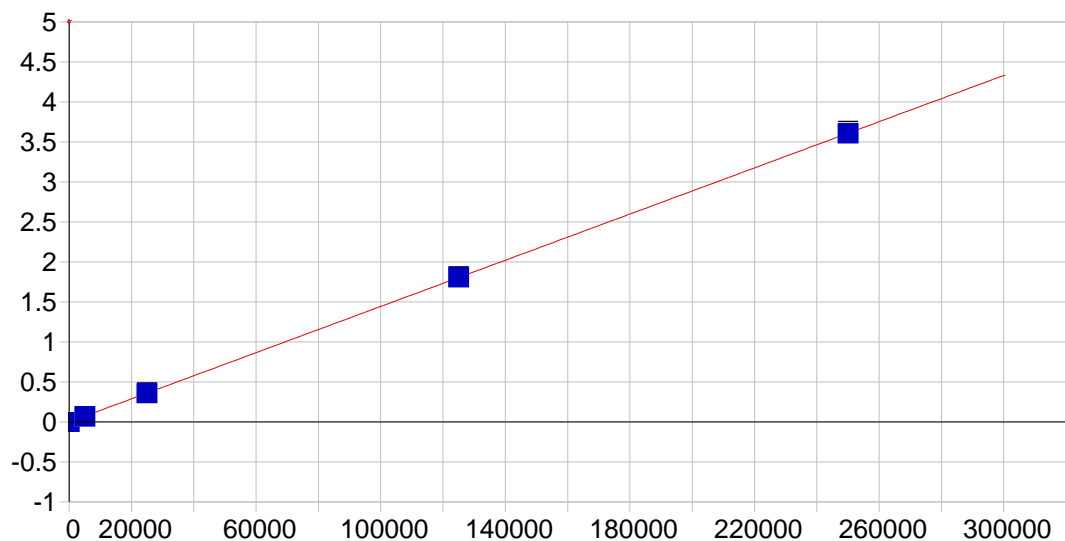


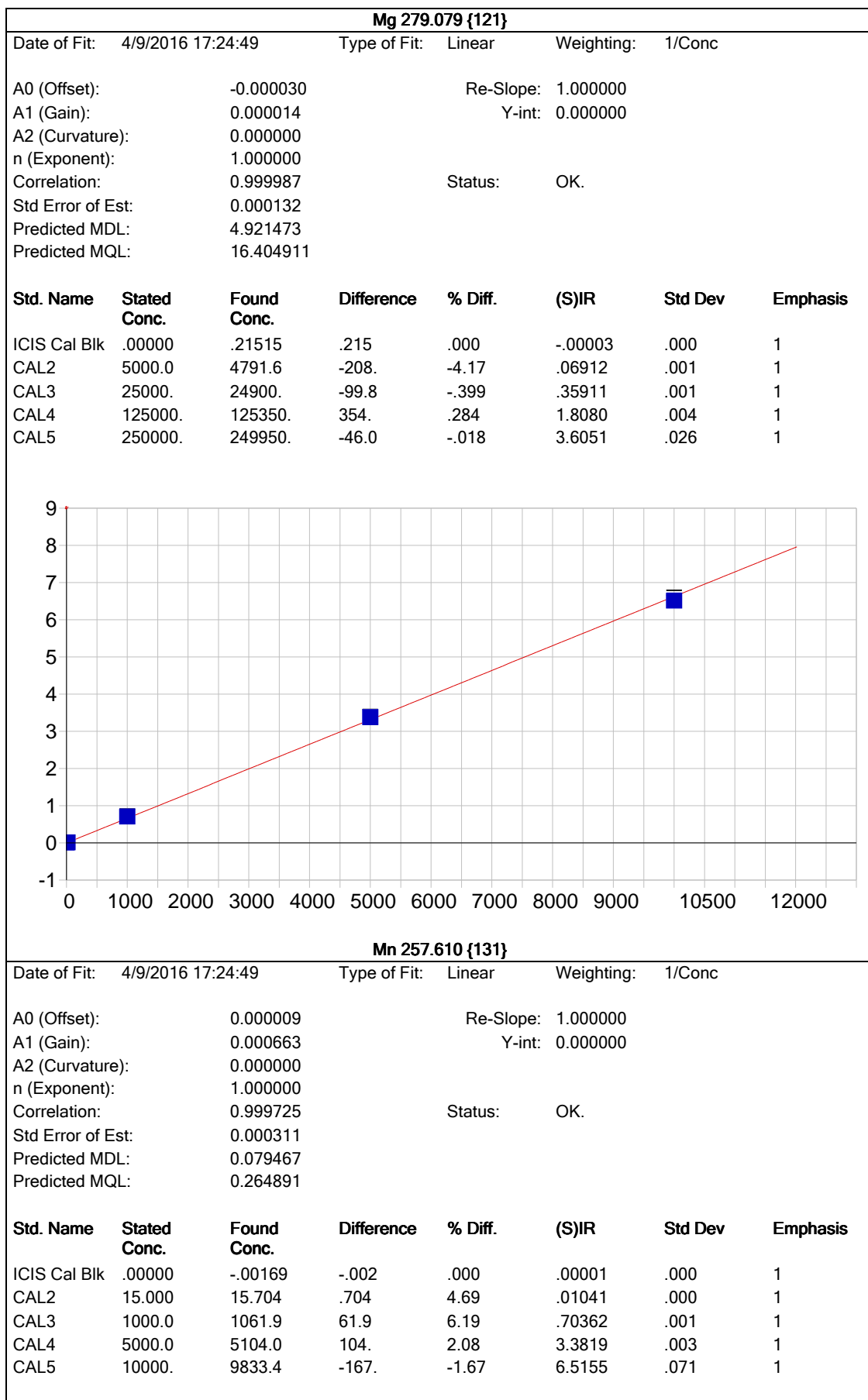
K 766.490 { 44}

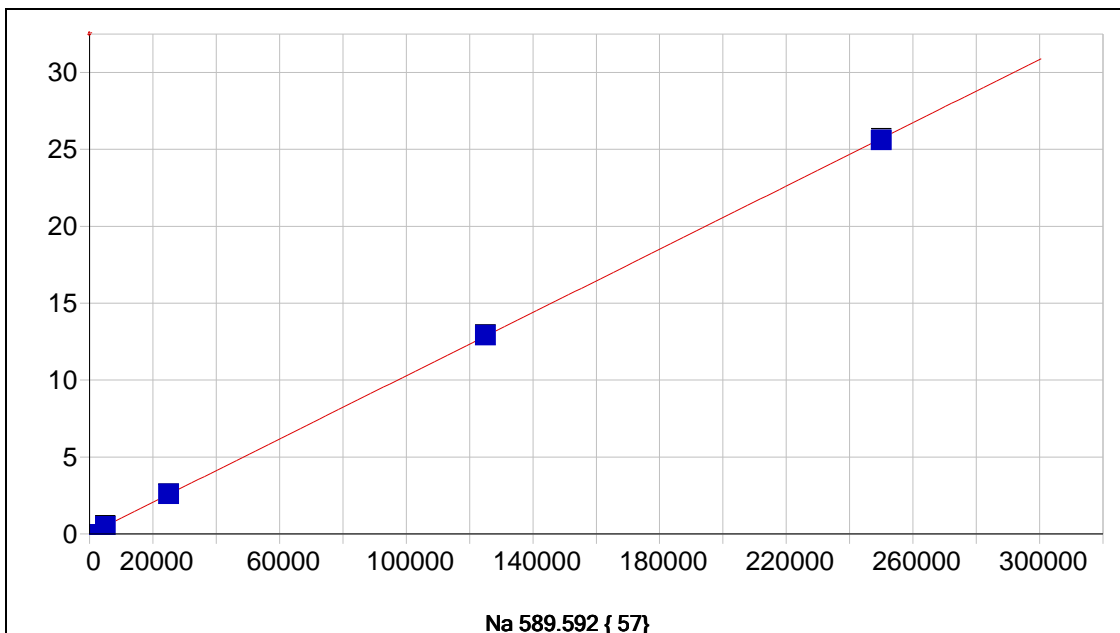
Date of Fit: 4/9/2016 17:24:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000351 Re-Slope: 1.000000
 A1 (Gain): 0.000028 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999862 Status: OK.
 Std Error of Est: 0.000544
 Predicted MDL: 37.542485
 Predicted MQL: 125.141616

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.42498	.425	.000	-.00034	.000	1
CAL2	5000.0	4729.6	-270.	-5.41	.13207	.002	1
CAL3	10000.	9693.8	-306.	-3.06	.27082	.001	1
CAL4	50000.	49394.	-606.	-1.21	1.3814	.005	1
CAL5	100000.	101180.	1180.	1.18	2.8302	.015	1



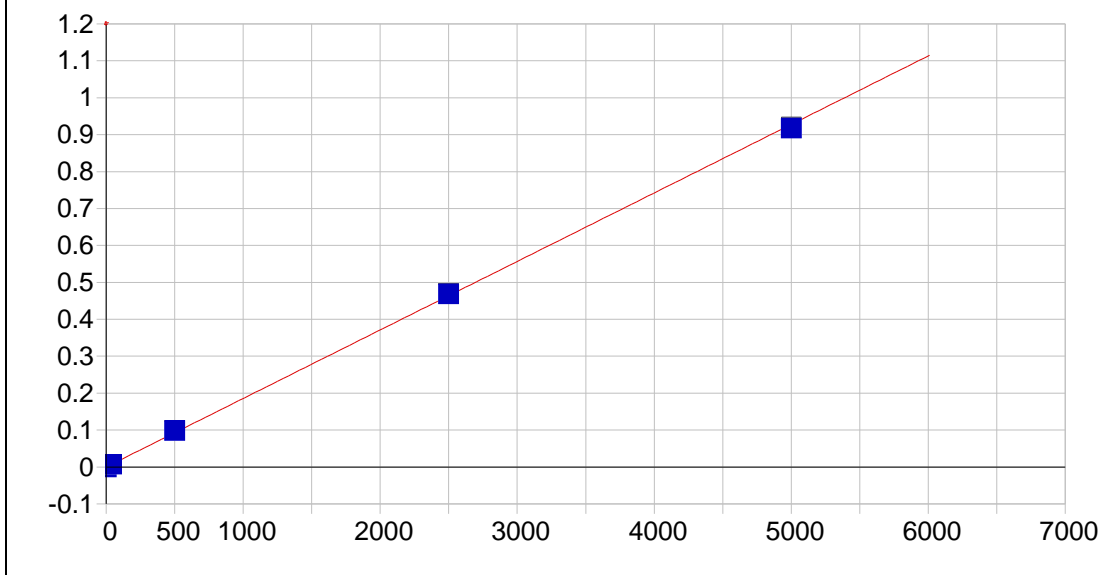


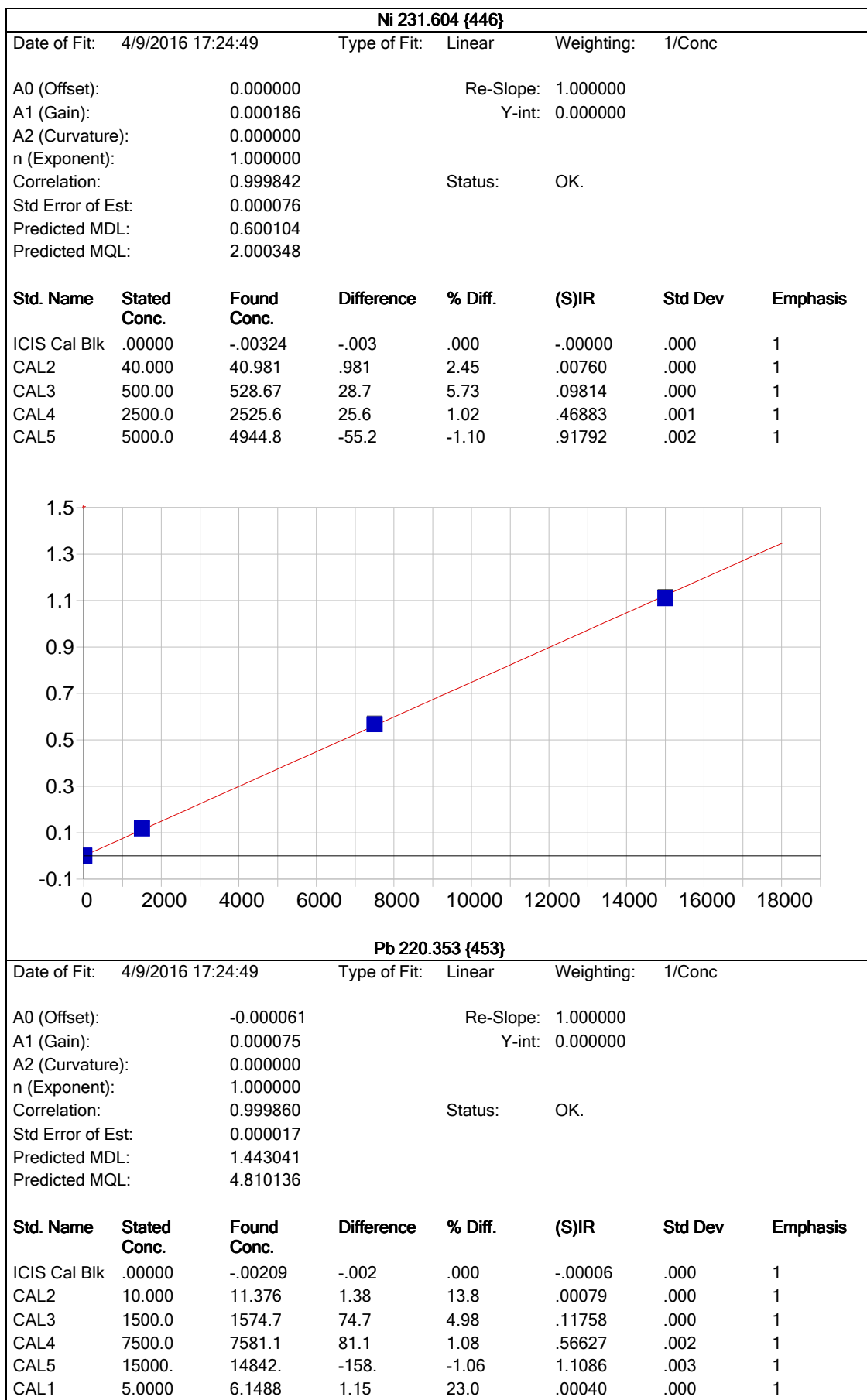


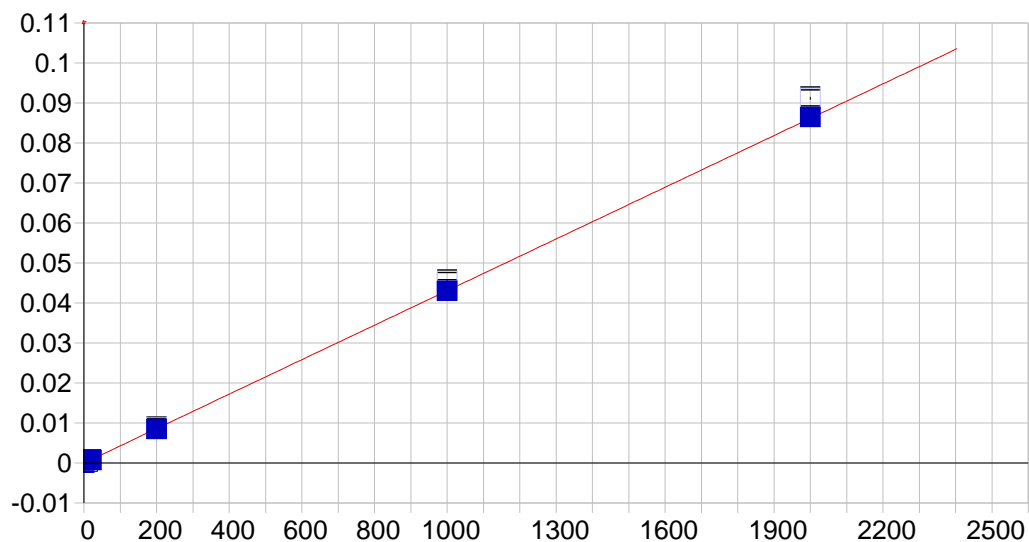
Date of Fit: 4/9/2016 17:24:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001996 Re-Slope: 1.000000
 A1 (Gain): 0.000103 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999989 Status: OK.
 Std Error of Est: 0.000901
 Predicted MDL: 9.970604
 Predicted MQL: 33.235348

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.03836	-.038	.000	.00199	.001	1
CAL2	5000.0	4982.6	-17.4	-.347	.51433	.007	1
CAL3	25000.	25231.	231.	.925	2.5972	.008	1
CAL4	125000.	125690.	687.	.550	12.930	.009	1
CAL5	250000.	249100.	-901.	-.360	25.623	.088	1





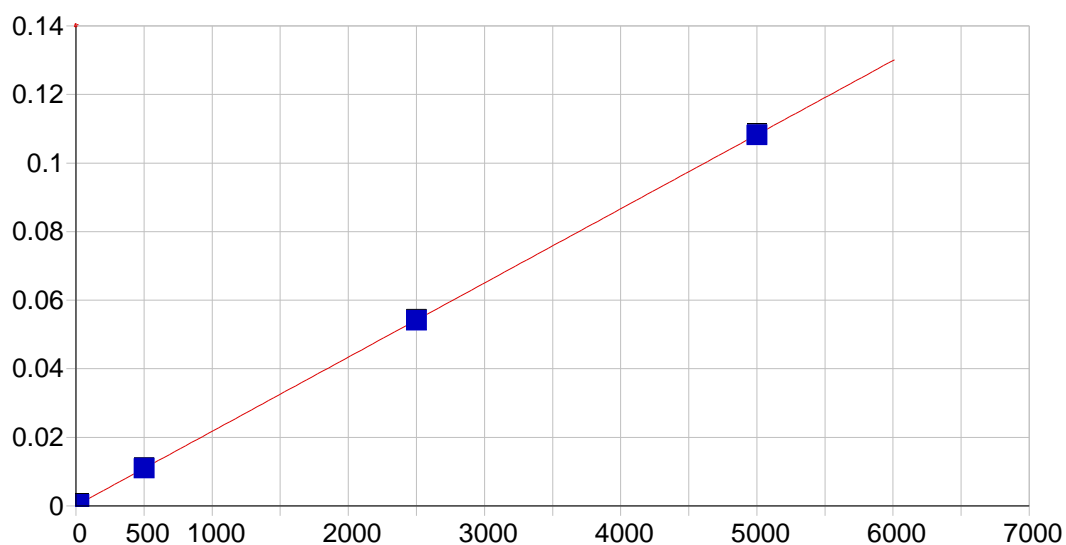


Sb 206.833 {463}

Date of Fit: 4/9/2016 17:24:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.000028	Re-Slope:	1.000000
A1 (Gain):	0.000043	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999903	Status:	OK.
Std Error of Est:	0.000004		
Predicted MDL:	1.962531		
Predicted MQL:	6.541770		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00315	.003	.000	-.00003	.000	1
CAL2	20.000	17.467	-2.53	-12.7	.00071	.000	1
CAL3	200.00	197.71	-2.29	-1.14	.00896	.000	1
CAL4	1000.0	999.65	-.346	-.035	.04541	.000	1
CAL5	2000.0	2006.7	6.70	.335	.09117	.000	1
CAL1	10.000	8.1974	-1.80	-18.0	.00033	.000	1

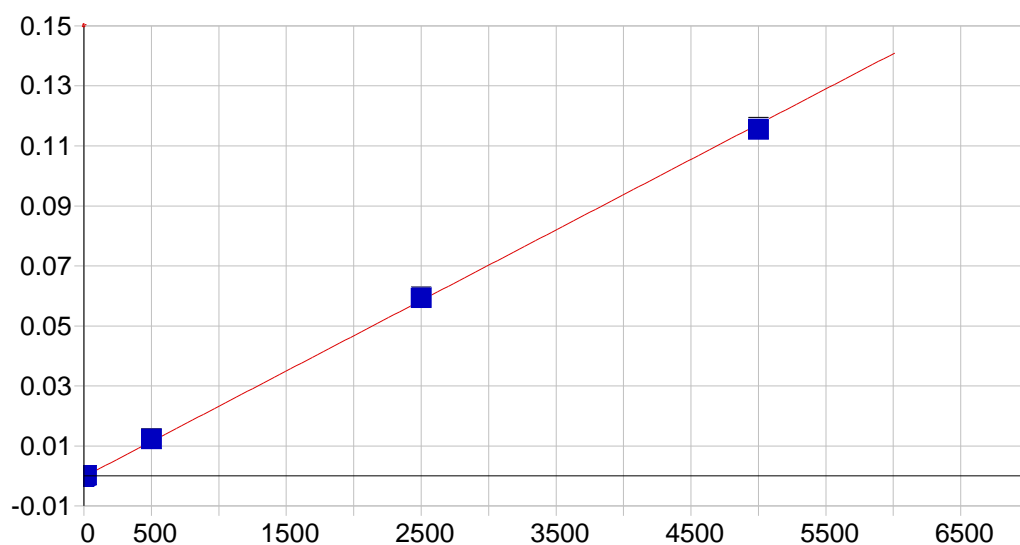


Se 196.090 {472}

Date of Fit: 4/9/2016 17:24:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000127 Re-Slope: 1.000000
 A1 (Gain): 0.000022 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999982 Status: OK.
 Std Error of Est: 0.000001
 Predicted MDL: 3.104625
 Predicted MQL: 10.348748

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00106	-.001	.000	.00013	.000	1
CAL2	20.000	22.122	2.12	10.6	.00061	.000	1
CAL3	500.00	501.71	1.71	.342	.01097	.000	1
CAL4	2500.0	2497.8	-2.22	-.089	.05410	.000	1
CAL5	5000.0	4997.9	-2.13	-.043	.10812	.000	1
CAL1	5.0000	5.5150	.515	10.3	.00025	.000	1

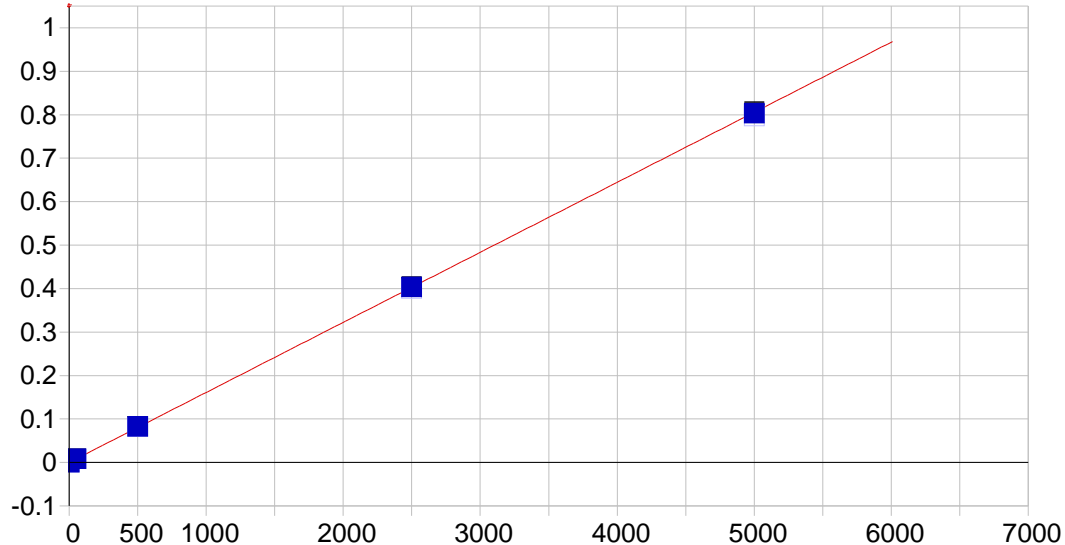


TI 190.856 {477}

Date of Fit: 4/9/2016 17:24:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000298 Re-Slope: 1.000000
 A1 (Gain): 0.000024 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999655 Status: OK.
 Std Error of Est: 0.000007
 Predicted MDL: 2.902883
 Predicted MQL: 9.676276

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00526	-.005	.000	-.00030	.000	1
CAL2	20.000	22.241	2.24	11.2	.00023	.000	1
CAL3	500.00	534.01	34.0	6.80	.01230	.000	1
CAL4	2500.0	2538.5	38.5	1.54	.05961	.000	1
CAL5	5000.0	4921.8	-78.2	-1.56	.11587	.000	1
CAL1	10.000	13.462	3.46	34.6	.00002	.000	1

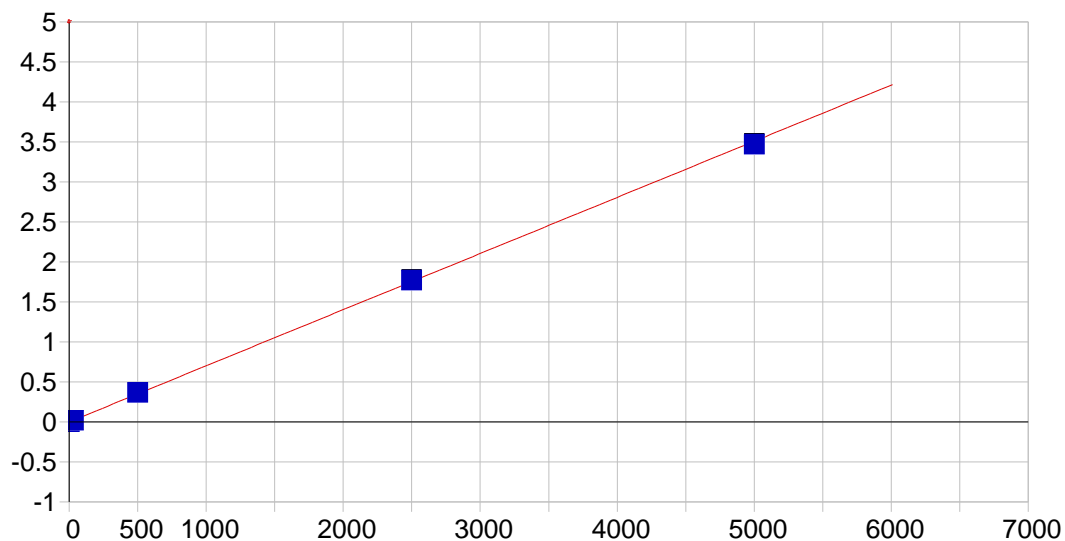


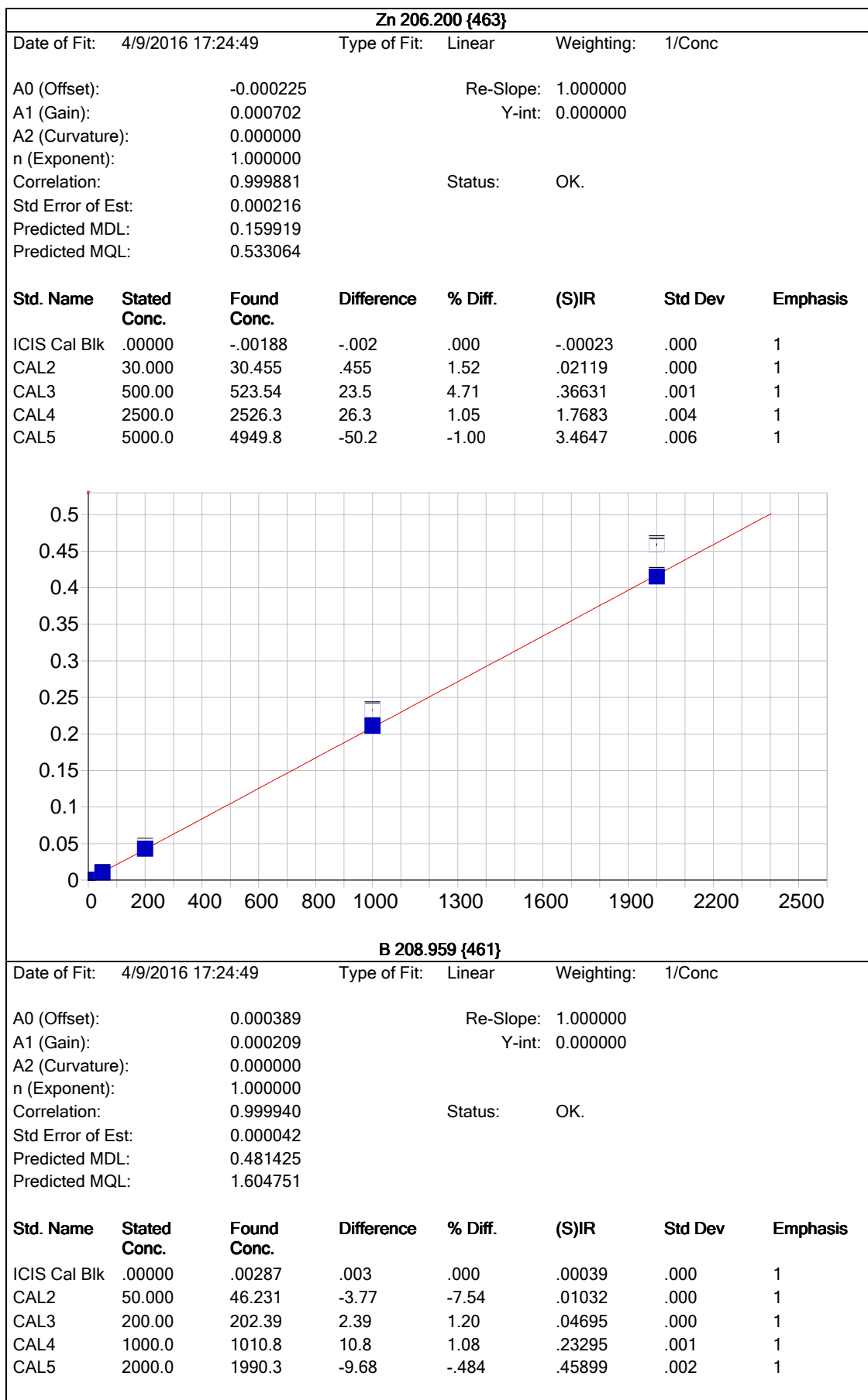
V 292.402 {115}

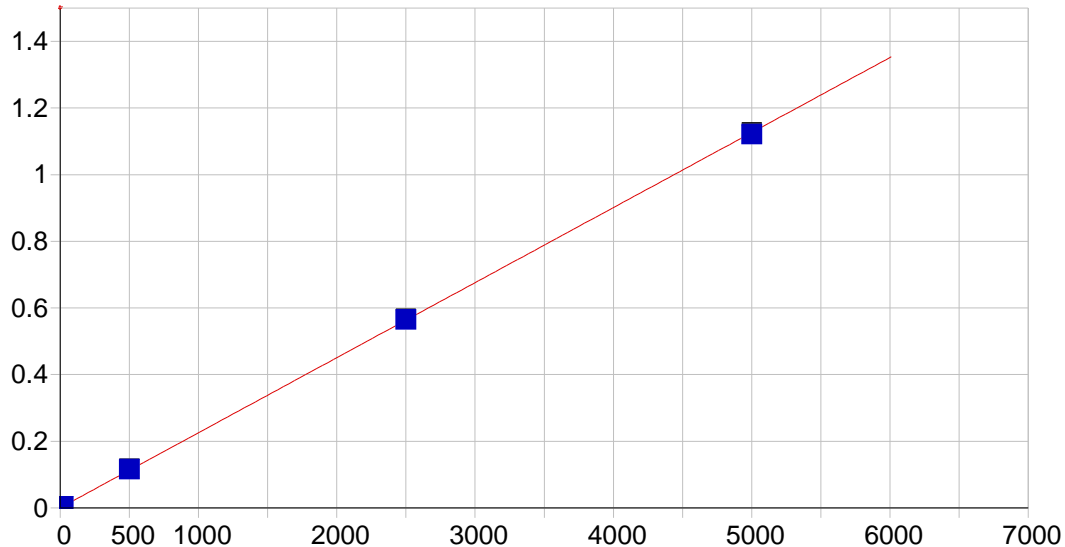
Date of Fit: 4/9/2016 17:24:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000038 Re-Slope: 1.000000
 A1 (Gain): 0.000161 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999976 Status: OK.
 Std Error of Est: 0.000028
 Predicted MDL: 0.460625
 Predicted MQL: 1.535418

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00073	-.001	.000	-.00004	.000	1
CAL2	50.000	49.554	-.446	-.891	.00793	.000	1
CAL3	500.00	512.71	12.7	2.54	.08189	.000	1
CAL4	2500.0	2502.7	2.67	.107	.39980	.001	1
CAL5	5000.0	4985.1	-14.9	-.298	.79638	.003	1





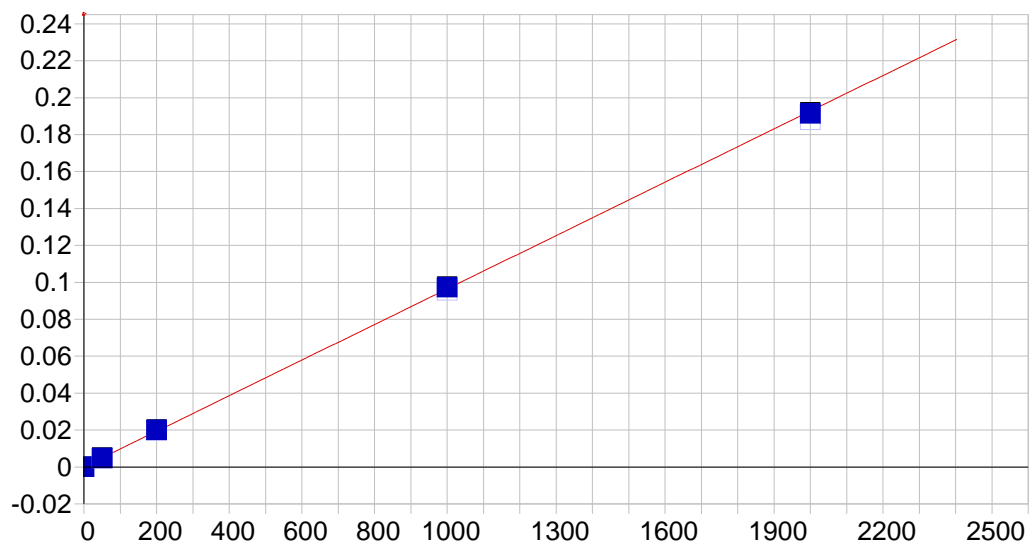


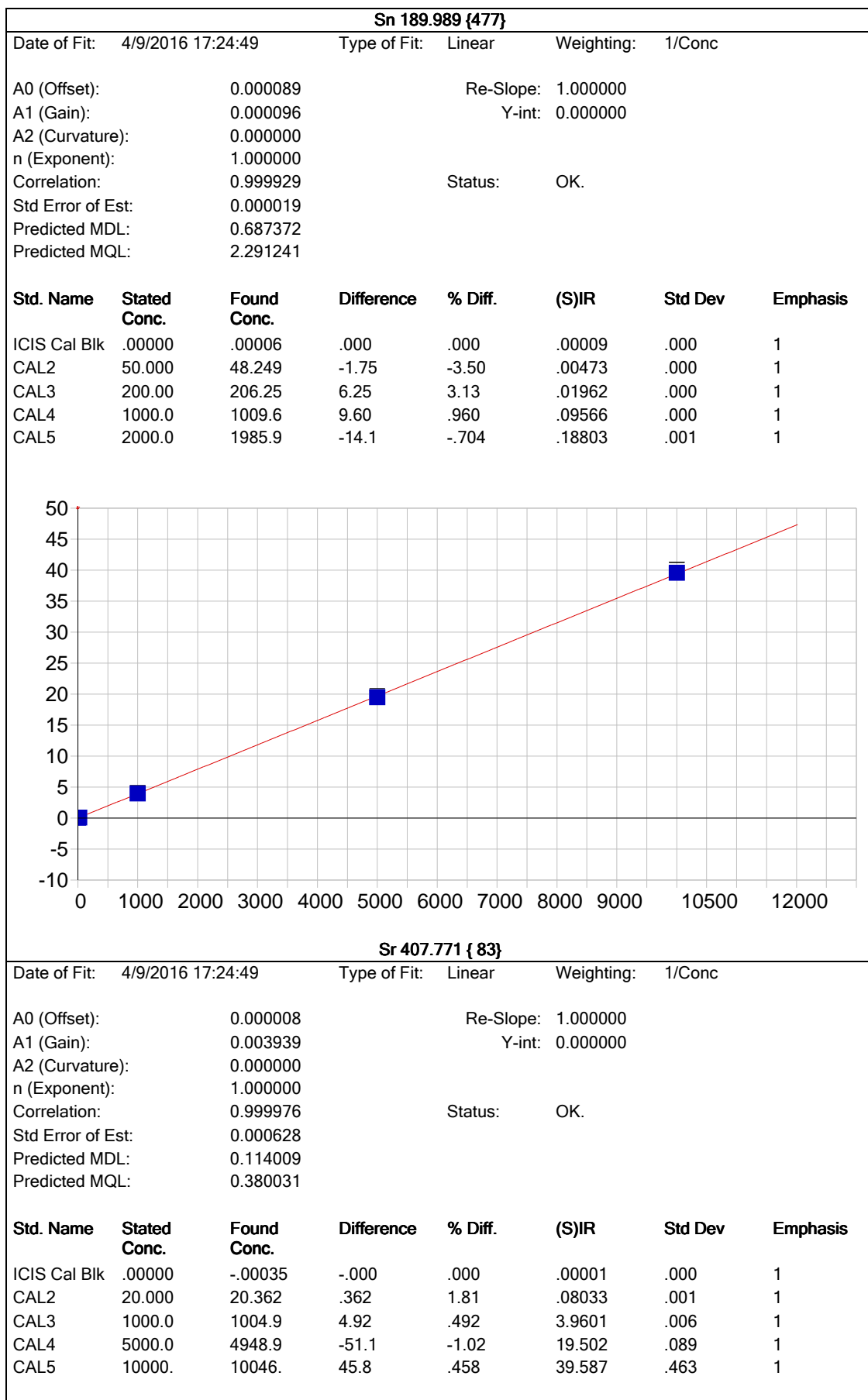
Mo 202.030 {467}

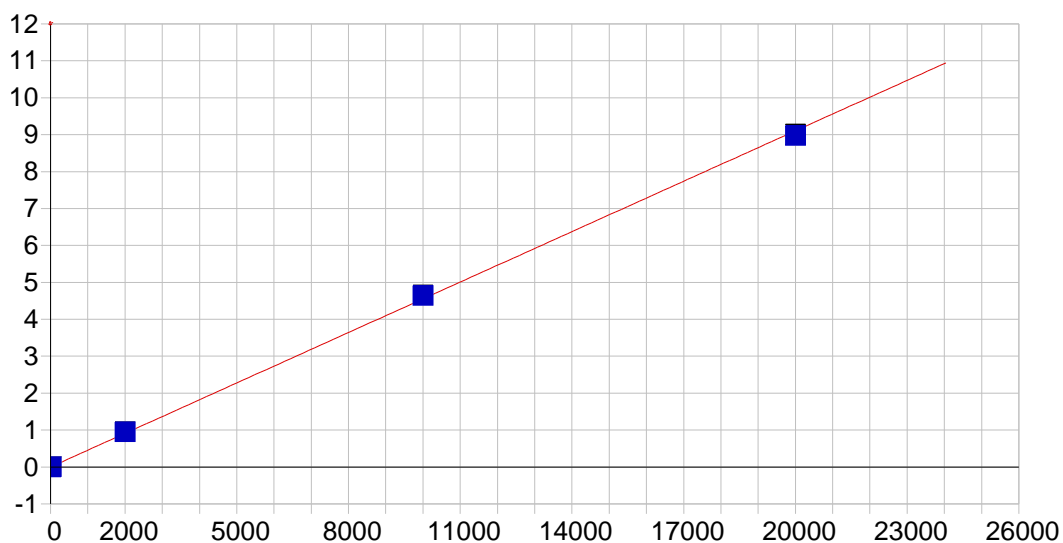
Date of Fit: 4/9/2016 17:24:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000392 Re-Slope: 1.000000
 A1 (Gain): 0.000225 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999963 Status: OK.
 Std Error of Est: 0.000032
 Predicted MDL: 0.325665
 Predicted MQL: 1.085550

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00135	.001	.000	.00039	.000	1
CAL2	20.000	18.153	-1.85	-9.24	.00448	.000	1
CAL3	500.00	512.66	12.7	2.53	.11577	.000	1
CAL4	2500.0	2508.5	8.54	.342	.56495	.001	1
CAL5	5000.0	4980.7	-19.3	-.387	1.1213	.003	1





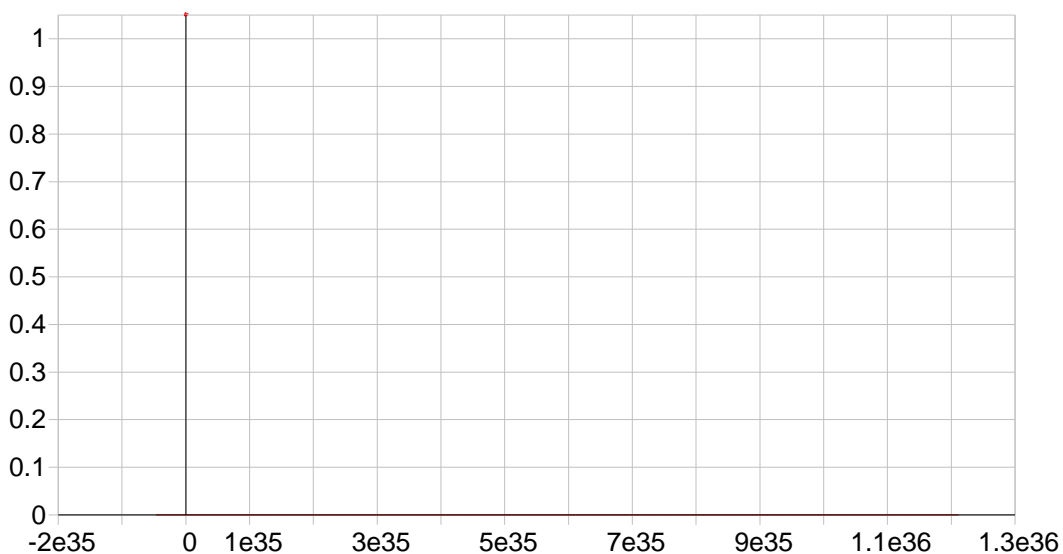


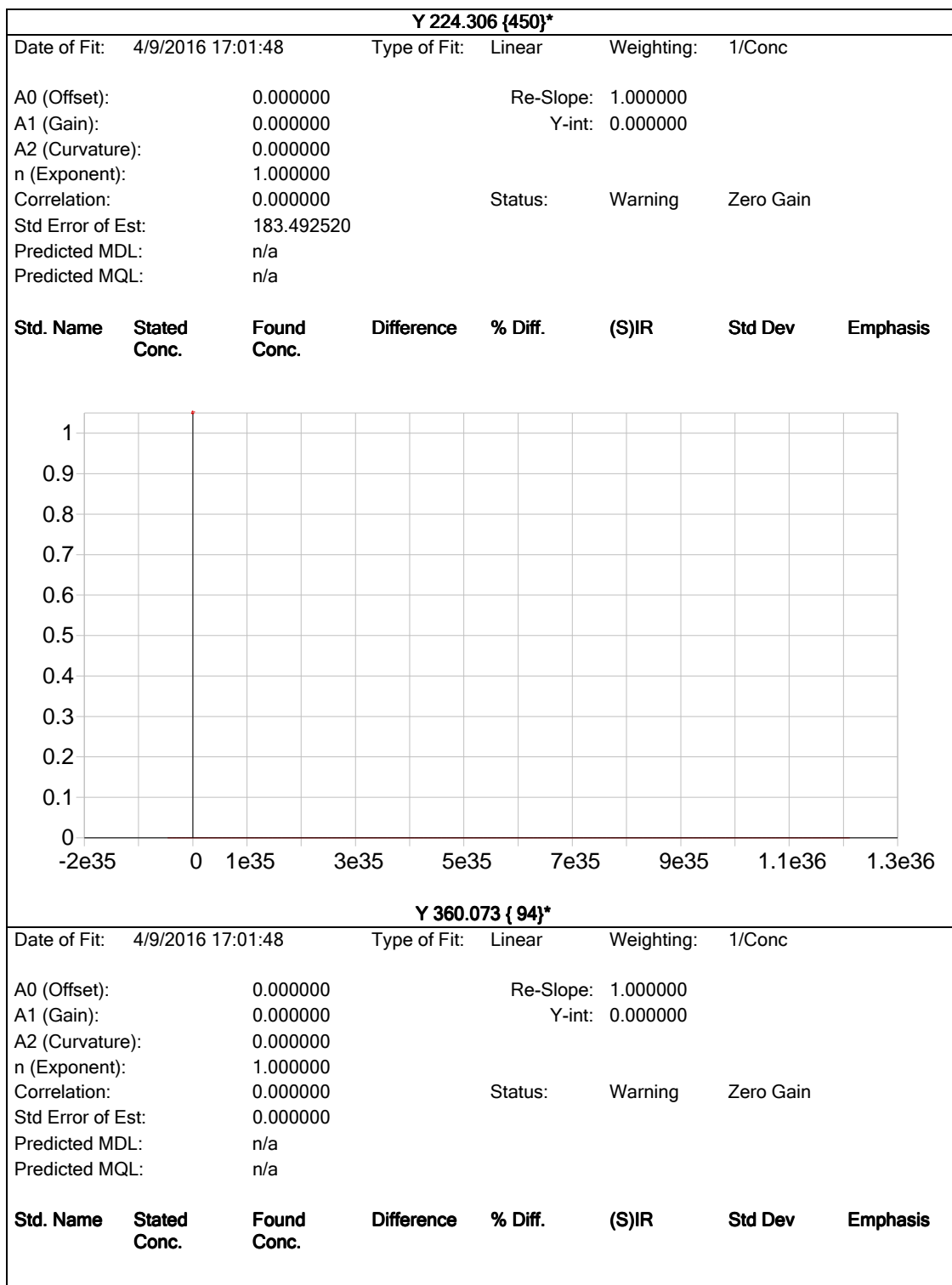
Ti 334.941 {101}

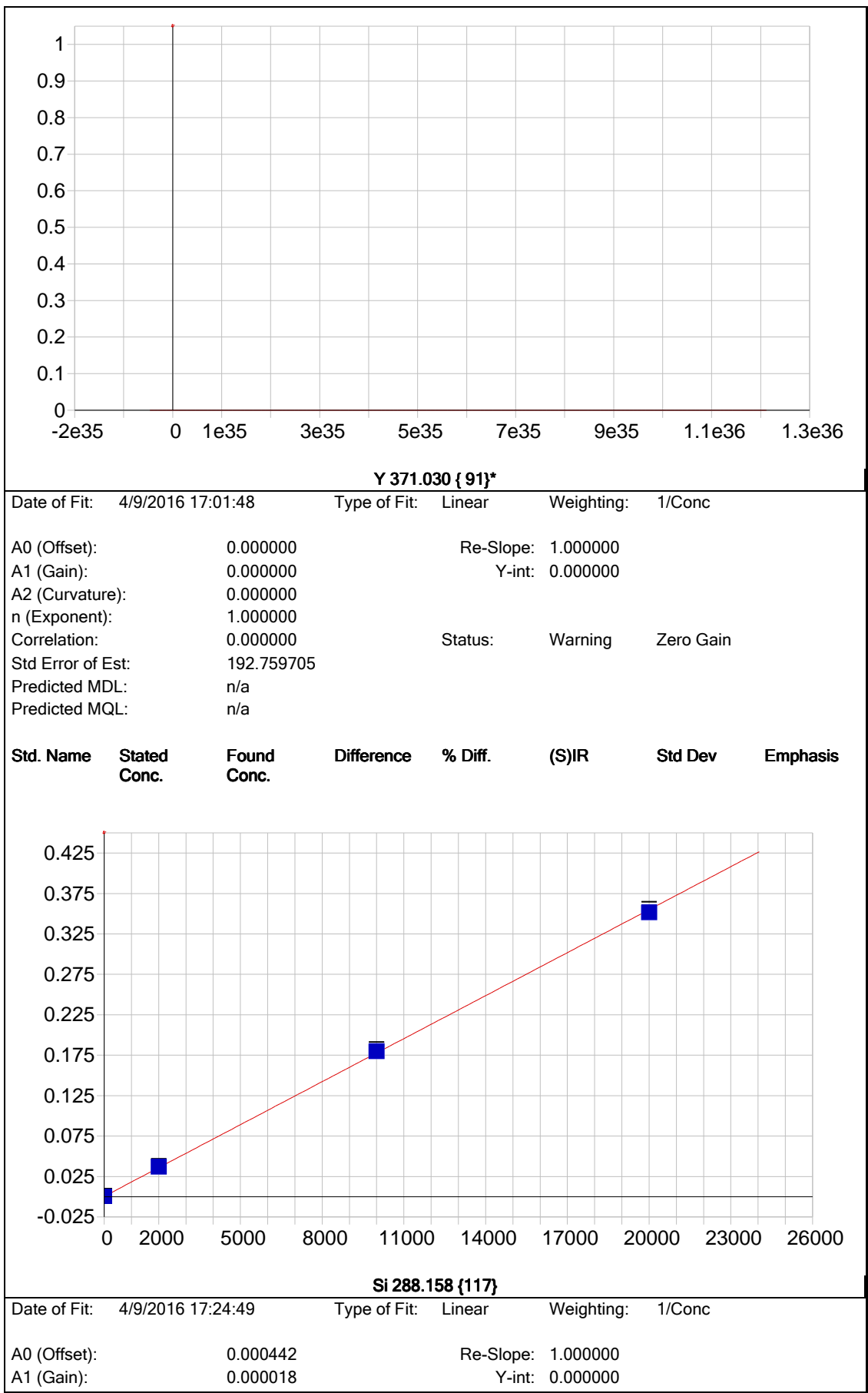
Date of Fit: 4/9/2016 17:24:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000088 Re-Slope: 1.000000
 A1 (Gain): 0.000455 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999820 Status: OK.
 Std Error of Est: 0.000282
 Predicted MDL: 0.219444
 Predicted MQL: 0.731479

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00056	-.001	.000	.00009	.000	1
CAL2	20.000	19.626	-.374	-1.87	.00903	.000	1
CAL3	2000.0	2081.0	81.0	4.05	.94772	.002	1
CAL4	10000.	10204.	204.	2.04	4.6468	.002	1
CAL5	20000.	19715.	-285.	-1.42	8.9779	.032	1







A2 (Curvature):		0.000000		Status:	OK.		
n (Exponent):		1.000000					
Correlation:		0.999912					
Std Error of Est:		0.000084					
Predicted MDL:		16.429990					
Predicted MQL:		54.766634					
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.07433	-.074	.000	.00044	.001	1
CAL5	20000.	19811.	-189.	-.947	.35105	.004	1
CAL3	2000.0	2069.2	69.2	3.46	.03707	.000	1
CAL4	10000.	10120.	120.	1.20	.17956	.002	1

Sample Name: ICIS Cal Blk Acquired: 4/9/2016 17:02:24 Type: Cal
Method: BC04012016_P(v12) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0007	-0.0001	-0.0000	.0001	-0.0005	.0004
Stddev	.0001	.0000	.0000	.0001	.0001	.0000
%RSD	16.41	17.21	48.71	79.02	19.67	1.262

#1	-0.0006	-0.0001	-0.0000	.0000	-0.0006	.0004
#2	-0.0008	-0.0001	-0.0000	.0001	-0.0006	.0004
#3	-0.0007	-0.0001	-0.0001	.0002	-0.0004	.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_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0004	.0006	-0.0000	.0041	.0001	-0.0003
Stddev	.0001	.0001	.0000	.0002	.0000	.0002
%RSD	16.80	22.52	59.37	3.908	30.80	55.83

#1	-0.0004	.0007	-0.0000	.0041	.0000	-0.0004
#2	-0.0003	.0005	-0.0000	.0042	.0001	-0.0001
#3	-0.0003	.0007	-0.0001	.0039	.0001	-0.0005

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0020	-0.0000	-0.0001	-0.0000
Stddev	.0000	.0000	.0011	.0000	.0001	.0000
%RSD	118.4	259.6	53.55	4599.	116.9	92.95

#1	-0.0001	.0000	.0020	-0.0000	.0000	-0.0000
#2	-0.0000	-0.0000	.0009	.0000	-0.0000	-0.0000
#3	-0.0000	.0000	.0030	-0.0000	-0.0001	-0.0001

Sample Name: ICIS Cal Blk Acquired: 4/9/2016 17:02:24 Type: Cal
Method: BC04012016_P(v12) 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	.0001	-.0003	-.0000	-.0002	.0004	.0004
Stddev	.0000	.0001	.0000	.0001	.0000	.0001
%RSD	11.24	21.63	118.0	35.57	9.807	15.39

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0000	.0001	.0004
Stddev	.0001	.0003	.0001	.0006
%RSD	100.0	4487.	121.4	137.5

#1	.0000	.0003	-.0000	.0001
#2	.0001	.0000	.0001	.0011
#3	.0002	-.0003	.0002	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8876.9	56859.	10292.
Stddev	33.5	407.	86.
%RSD	.37718	.71560	.83981

#1	8891.6	56485.	10192.
#2	8900.5	57292.	10352.
#3	8838.6	56799.	10331.

Sample Name: CAL1 Acquired: 4/9/2016 17:06:14 Type: Cal
Method: BC04012016_P(v12) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Pb2203	Sb2068	Se196	Tl1908
Line	189.042 {478}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0004	.0003	.0002	.0000
Stddev	.0000	.0000	.0001	.0001	.0001
%RSD	37.62	11.62	29.11	29.59	431.4
#1	.0001	.0004	.0002	.0003	-.0000
#2	.0001	.0004	.0004	.0002	.0001
#3	.0001	.0005	.0003	.0002	-.0000
Int. Std.	Y_2243				
Line	224.306 {450}				
Units	Cts/S				
Avg	8961.8				
Stddev	21.1				
%RSD	.23536				
#1	8983.5				
#2	8941.4				
#3	8960.3				

Sample Name: CAL2 Acquired: 4/9/2016 17:10:07 Type: Cal
Method: BC04012016_P(v12) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0034	.0004	.0012	.0680	.0023	.0695
Stddev	.0001	.0001	.0000	.0001	.0001	.0006
%RSD	2.937	14.03	2.669	.1450	4.149	.8301

#1	.0033	.0003	.0012	.0681	.0024	.0688
#2	.0034	.0005	.0012	.0681	.0022	.0699
#3	.0035	.0004	.0011	.0679	.0023	.0696

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0030	.0360	.0010	.0089	.0011	.1321
Stddev	.0001	.0000	.0000	.0002	.0001	.0023
%RSD	1.726	.1346	3.275	1.703	6.365	1.761

#1	.0030	.0361	.0010	.0089	.0011	.1295
#2	.0031	.0360	.0010	.0090	.0012	.1328
#3	.0030	.0360	.0009	.0087	.0011	.1339

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0691	.0104	.5143	.0076	.0008	.0007
Stddev	.0008	.0001	.0066	.0001	.0000	.0000
%RSD	1.087	1.082	1.288	1.376	4.463	6.532

#1	.0683	.0103	.5069	.0077	.0008	.0007
#2	.0697	.0105	.5167	.0075	.0008	.0007
#3	.0694	.0103	.5195	.0076	.0007	.0007

Sample Name: CAL2 Acquired: 4/9/2016 17:10:07 Type: Cal
Method: BC04012016_P(v12) 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	.0006	.0002	.0079	.0212	.0103	.0045
Stddev	.0001	.0000	.0001	.0002	.0001	.0001
%RSD	9.694	6.876	.9060	.7120	.6609	2.178

#1	.0006	.0002	.0079	.0212	.0103	.0046
#2	.0007	.0002	.0080	.0213	.0103	.0044
#3	.0005	.0002	.0079	.0210	.0104	.0045

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S
Avg	.0047	.0803	.0090
Stddev	.0000	.0012	.0001
%RSD	.4598	1.512	.7201

#1	.0047	.0790	.0090
#2	.0048	.0806	.0091
#3	.0047	.0814	.0090

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8944.2	57410.	10333.
Stddev	28.2	628.	147.
%RSD	.31512	1.0947	1.4251

#1	8962.6	58120.	10501.
#2	8911.7	57186.	10227.
#3	8958.1	56924.	10270.

Sample Name: CAL3 Acquired: 4/9/2016 17:13:58 Type: Cal
Method: BC04012016_P(v12) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5394	.0173	.0319	.6984	.2973	.3533
Stddev	.0011	.0001	.0002	.0007	.0018	.0006
%RSD	.1977	.4604	.4754	.0975	.5939	.1673

#1	.5389	.0174	.0320	.6977	.2967	.3527
#2	.5387	.0172	.0319	.6991	.2959	.3533
#3	.5406	.0172	.0317	.6985	.2992	.3539

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2191	.3692	.1044	.5043	.1379	.2708
Stddev	.0004	.0007	.0001	.0013	.0002	.0007
%RSD	.1857	.1846	.1238	.2580	.1719	.2552

#1	.2186	.3687	.1043	.5029	.1377	.2702
#2	.2194	.3690	.1044	.5045	.1379	.2706
#3	.2192	.3700	.1046	.5054	.1382	.2716

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.3591	.7036	2.597	.0981	.1176	.0090
Stddev	.0010	.0014	.008	.0004	.0001	.0001
%RSD	.2867	.2060	.3041	.3716	.0975	1.128

#1	.3581	.7024	2.591	.0980	.1175	.0088
#2	.3591	.7032	2.595	.0986	.1177	.0090
#3	.3601	.7052	2.606	.0979	.1175	.0090

Sample Name: CAL3 Acquired: 4/9/2016 17:13:58 Type: Cal
Method: BC04012016_P(v12) 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	.0110	.0123	.0819	.3663	.0470	.1158
Stddev	.0002	.0001	.0002	.0007	.0002	.0003
%RSD	1.371	.5729	.2262	.1782	.5011	.2505

#1	.0108	.0123	.0817	.3659	.0469	.1157
#2	.0111	.0124	.0819	.3660	.0467	.1161
#3	.0109	.0122	.0821	.3671	.0472	.1155

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0196	3.960	.9477	.0371
Stddev	.0001	.006	.0018	.0004
%RSD	.4672	.1418	.1946	1.047

#1	.0195	3.958	.9463	.0367
#2	.0197	3.955	.9470	.0375
#3	.0196	3.966	.9498	.0370

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8783.9	56106.	10513.
Stddev	25.9	115.	86.
%RSD	.29429	.20426	.81633

#1	8810.6	56193.	10562.
#2	8782.0	56148.	10562.
#3	8759.0	55976.	10414.

Sample Name: CAL4 Acquired: 4/9/2016 17:17:34 Type: Cal
Method: BC04012016_P(v12) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.677	.0874	.1612	3.385	1.445	1.749
Stddev	.007	.0002	.0002	.002	.004	.003
%RSD	.2743	.1781	.1503	.0535	.2671	.1760

#1	2.670	.0875	.1610	3.383	1.440	1.749
#2	2.676	.0872	.1611	3.386	1.446	1.746
#3	2.684	.0873	.1615	3.386	1.448	1.753

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.058	1.784	.5028	2.542	.6630	1.381
Stddev	.001	.001	.0004	.005	.0008	.005
%RSD	.0853	.0576	.0744	.2082	.1146	.3731

#1	1.057	1.783	.5032	2.538	.6629	1.376
#2	1.057	1.785	.5026	2.548	.6624	1.382
#3	1.059	1.784	.5026	2.539	.6639	1.386

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	1.808	3.382	12.93	.4688	.5663	.0454
Stddev	.004	.003	.01	.0007	.0015	.0003
%RSD	.1974	.0918	.0727	.1558	.2734	.7274

#1	1.807	3.381	12.93	.4680	.5645	.0453
#2	1.805	3.379	12.92	.4693	.5673	.0458
#3	1.812	3.385	12.94	.4692	.5670	.0451

Sample Name: CAL4 Acquired: 4/9/2016 17:17:34 Type: Cal
Method: BC04012016_P(v12) 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	.0541	.0596	.3998	1.768	.2330	.5649
Stddev	.0002	.0001	.0007	.004	.0007	.0009
%RSD	.4492	.1540	.1729	.2073	.3008	.1649

#1	.0539	.0596	.3995	1.766	.2328	.5642
#2	.0544	.0597	.4006	1.766	.2337	.5660
#3	.0540	.0595	.3993	1.773	.2324	.5647

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0957	19.50	4.647	.1796
Stddev	.0002	.09	.002	.0022
%RSD	.1996	.4541	.0480	1.229

#1	.0954	19.40	4.645	.1770
#2	.0957	19.52	4.649	.1811
#3	.0958	19.58	4.646	.1805

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8404.7	54257.	10313.
Stddev	23.2	197.	89.
%RSD	.27585	.36241	.86386

#1	8419.3	54218.	10237.
#2	8416.9	54470.	10411.
#3	8378.0	54082.	10292.

Sample Name: CAL5 Acquired: 4/9/2016 17:21:03 Type: Cal
Method: BC04012016_P(v12) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.410	.1753	.3259	6.637	2.867	3.453
Stddev	.027	.0002	.0011	.015	.014	.025
%RSD	.5074	.1324	.3435	.2203	.4953	.7281

#1	5.378	.1752	.3246	6.621	2.851	3.427
#2	5.428	.1751	.3263	6.650	2.874	3.477
#3	5.424	.1755	.3267	6.640	2.876	3.454

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.069	3.514	.9855	5.097	1.295	2.830
Stddev	.006	.009	.0049	.006	.008	.015
%RSD	.2796	.2597	.4985	.1220	.6329	.5344

#1	2.062	3.507	.9806	5.092	1.286	2.813
#2	2.073	3.524	.9905	5.094	1.303	2.836
#3	2.071	3.511	.9855	5.104	1.295	2.841

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	3.605	6.515	25.62	.9179	1.109	.0912
Stddev	.026	.071	.09	.0020	.003	.0003
%RSD	.7166	1.091	.3417	.2202	.2371	.3836

#1	3.578	6.444	25.72	.9156	1.106	.0909
#2	3.630	6.587	25.61	.9195	1.110	.0916
#3	3.607	6.516	25.54	.9187	1.110	.0911

Sample Name: CAL5 Acquired: 4/9/2016 17:21:03 Type: Cal
Method: BC04012016_P(v12) 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	.1081	.1159	.7964	3.465	.4590	1.121
Stddev	.0004	.0003	.0032	.006	.0019	.003
%RSD	.3916	.2714	.4009	.1810	.4068	.2709

#1	.1076	.1157	.7929	3.457	.4569	1.118
#2	.1084	.1157	.7992	3.469	.4603	1.125
#3	.1083	.1162	.7970	3.468	.4598	1.121

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1880	39.59	8.978	.3511
Stddev	.0006	.46	.032	.0040
%RSD	.3222	1.169	.3604	1.152

#1	.1874	39.06	8.941	.3498
#2	.1887	39.90	8.991	.3478
#3	.1880	39.81	9.002	.3556

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8023.2	52353.	9822.9
Stddev	20.1	425.	144.1
%RSD	.25037	.81144	1.4668

#1	8038.0	52741.	9907.6
#2	8031.3	51899.	9656.5
#3	8000.3	52418.	9904.6

Sample Name: ICV 4237635 Acquired: 4/9/2016 17:24:55 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121500.	2442.	1209.	9907.	985.7	121500.
Stddev	309.	3.	4.	15.	3.2	1001.
%RSD	.2540	.1261	.3570	.1506	.3244	.8234

#1	121400.	2442.	1207.	9915.	984.2	120700.
#2	121300.	2445.	1206.	9915.	983.6	121200.
#3	121900.	2438.	1213.	9890.	989.4	122600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1220.	2431.	4936.	12080.	98110.	48240.
Stddev	1.	1.	34.	9.	574.	140.
%RSD	.0915	.0522	.6918	.0761	.5850	.2910

#1	1221.	2432.	4906.	12080.	97630.	48140.
#2	1220.	2432.	4928.	12080.	97940.	48170.
#3	1219.	2430.	4973.	12070.	98750.	48400.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV 4237635 Acquired: 4/9/2016 17:24:55 Type: QC
Method: BC04012016_P(v12) 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	122000.	5017.	122200.	2465.	7324.	972.7
Stddev	1034.	32.	285.	10.	1.	3.7
%RSD	.8478	.6286	.2332	.3967	.0096	.3762

#1	121100.	4992.	122300.	2469.	7324.	974.9
#2	121700.	5008.	121900.	2472.	7323.	974.8
#3	123100.	5052.	122400.	2454.	7325.	968.5

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	2395.	2432.	2451.	2460.	964.4	2371.
Stddev	6.	4.	11.	5.	2.6	5.
%RSD	.2466	.1674	.4470	.2073	.2725	.2156

#1	2401.	2428.	2442.	2456.	963.6	2376.
#2	2393.	2436.	2447.	2457.	967.3	2372.
#3	2390.	2431.	2463.	2466.	962.3	2366.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV 4237635 Acquired: 4/9/2016 17:24:55 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	966.7	4879.	9929.	9778.
Stddev	.8	4.	36.	64.
%RSD	.0822	.0837	.3657	.6497

#1	966.6	4883.	9898.	9735.
#2	967.5	4875.	9919.	9851.
#3	965.9	4878.	9969.	9748.

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	8341.9	53880.	10106.
Stddev	18.8	586.	138.
%RSD	.22519	1.0884	1.3633

#1	8356.5	54301.	10091.
#2	8348.5	54130.	10251.
#3	8320.7	53211.	9976.4

Sample Name: ICB Acquired: 4/9/2016 17:28:25 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.500	.9648	-.2408	1.929	.0758	1.360
Stddev	11.89	.8701	.2111	1.681	.1639	4.941
%RSD	339.8	90.19	87.68	87.16	216.2	363.3
#1	8.787	.7394	-.1898	2.991	.1750	6.832
#2	-14.96	.2295	-.0598	-.0095	-.1134	-2.774
#3	-4.330	1.925	-.4728	2.805	.1658	.0213

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2644	.4197	-.0633	.8632	1.888	50.29
Stddev	.1840	.3904	.4192	.2915	10.41	23.63
%RSD	69.59	93.02	661.9	33.77	551.5	46.98
#1	.4098	.6465	-.0902	.9018	12.53	77.54
#2	.0576	-.0311	-.4685	.5543	1.426	35.53
#3	.3259	.6436	.3687	1.133	-8.287	37.80

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

Sample Name: ICB Acquired: 4/9/2016 17:28:25 Type: QC
Method: BC04012016_P(v12) 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	2.291	.2191	78.13	.3007	2.281	-1.110
Stddev	2.832	.0854	33.12	.2025	2.016	1.125
%RSD	123.6	38.98	42.39	67.36	88.39	101.3

#1	.4559	.1287	115.5	.4639	1.761	.1652
#2	5.552	.2301	66.57	.0740	.5752	-1.959
#3	.8641	.2985	52.35	.3641	4.505	-1.537

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	4.651	4.342	.2424	.6438	4.733	2.320
Stddev	2.815	.992	.3252	.3491	.311	.280
%RSD	60.52	22.83	134.2	54.23	6.571	12.07

#1	3.618	5.264	-.1277	.8522	5.022	2.222
#2	2.498	3.293	.3719	.2408	4.774	2.102
#3	7.836	4.469	.4829	.8384	4.404	2.636

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

Sample Name: ICB Acquired: 4/9/2016 17:28:25 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9758	.3167	1.147	.7600
Stddev	.4158	.5145	.503	10.81
%RSD	42.61	162.5	43.89	1422.

#1	1.001	.9074	.5808	11.88
#2	.5481	.0753	1.316	.1170
#3	1.379	-.0327	1.544	-9.715

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	8851.9	56500.	10365.
Stddev	16.9	480.	148.
%RSD	.19116	.85010	1.4253

#1	8832.5	56039.	10222.
#2	8859.3	56462.	10356.
#3	8863.8	56997.	10517.

Sample Name: ICVL 4154763 Acquired: 4/9/2016 17:32:19 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	195.6	14.58	9.556	206.9	2.134	5035.
Stddev	10.5	.63	.262	.1	.127	10.
%RSD	5.374	4.323	2.739	.0299	5.966	.2066

#1	196.6	14.36	9.724	206.9	2.069	5027.
#2	205.6	15.29	9.690	207.0	2.053	5032.
#3	184.7	14.10	9.254	206.8	2.281	5047.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.134	51.82	10.14	25.25	153.3	4869.
Stddev	.105	.15	.32	.25	2.7	56.
%RSD	2.540	.2949	3.200	.9703	1.778	1.148

#1	4.131	51.99	10.44	25.52	154.2	4813.
#2	4.241	51.68	10.19	25.05	155.5	4870.
#3	4.031	51.81	9.793	25.18	150.3	4924.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICVL 4154763 Acquired: 4/9/2016 17:32:19 Type: QC
Method: BC04012016_P(v12) 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	4902.	16.17	5057.	41.95	11.86	17.51
Stddev	3.	.03	29.	.36	.49	1.08
%RSD	.0693	.1767	.5674	.8598	4.129	6.189

#1	4905.	16.21	5089.	41.64	11.85	16.32
#2	4899.	16.16	5033.	41.85	12.36	17.76
#3	4903.	16.16	5049.	42.34	11.38	18.45

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	22.08	23.35	50.81	31.21	50.68	19.35
Stddev	2.14	1.34	.37	.11	.54	.25
%RSD	9.702	5.738	.7296	.3509	1.067	1.318

#1	24.25	23.96	50.86	31.10	51.28	19.41
#2	19.96	24.27	50.41	31.32	50.55	19.07
#3	22.05	21.81	51.15	31.19	50.22	19.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICVL 4154763 Acquired: 4/9/2016 17:32:19 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	49.05	20.80	20.47	F 9.637
Stddev	.52	.32	.31	21.78
%RSD	1.065	1.536	1.491	226.0

#1	48.45	20.49	20.25	-9.704
#2	49.32	21.13	20.33	5.382
#3	49.38	20.79	20.82	33.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8916.0	57478.	10265.
Stddev	19.0	98.	156.
%RSD	.21362	.16975	1.5243

#1	8933.9	57544.	10254.
#2	8896.0	57524.	10427.
#3	8918.0	57366.	10115.

Sample Name: ICSA Acquired: 4/9/2016 17:36:09 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	501500.	-1.245	-.9847	-1.198	-.0366	486000.
Stddev	877.	.566	.2612	.216	.0594	7683.
%RSD	.1750	45.48	26.53	18.05	162.1	1.581

#1	501100.	-1.466	-.9206	-1.445	.0319	478700.
#2	502500.	-1.668	-.7615	-1.108	-.0735	494000.
#3	500800.	-.6018	-1.272	-1.041	-.0683	485300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2942	-.2343	.0178	.2335	192300.	118.5
Stddev	.2374	.0739	.4580	.3434	1388.	27.6
%RSD	80.70	31.54	2566.	147.1	.7218	23.30

#1	.2579	-.1868	.1710	-.1628	191500.	91.00
#2	.0770	-.1966	-.4971	.4442	193900.	118.2
#3	.5477	-.3194	.3797	.4192	191600.	146.2

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

Sample Name: ICSA Acquired: 4/9/2016 17:36:09 Type: QC
Method: BC04012016_P(v12) 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	498000.	-4.082	74.42	-1.852	-.4613	-1.723
Stddev	5382.	.098	15.34	.869	3.496	2.813
%RSD	1.081	2.410	20.61	46.89	758.0	163.3

#1	493000.	-4.077	60.98	-1.846	-3.794	-4.965
#2	503700.	-4.183	71.16	-2.724	-.7678	.0560
#3	497200.	-3.986	91.13	-.9868	3.178	-.2585

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	1.908	.4061	-.6010	-1.658	-3.750	1.129
Stddev	4.141	1.802	.4562	.150	.456	.434
%RSD	217.1	443.8	75.90	9.064	12.15	38.46

#1	-1.819	.9188	-1.126	-1.769	-3.845	.9855
#2	6.366	-1.597	-.3018	-1.487	-4.150	1.617
#3	1.177	1.896	-.3752	-1.717	-3.254	.7846

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

Sample Name: ICSA Acquired: 4/9/2016 17:36:09 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.962	-.9585	-5.477	28.07
Stddev	1.061	.0308	.036	8.12
%RSD	54.09	3.216	.6545	28.91

#1	-3.007	-.9735	-5.518	26.15
#2	-1.993	-.9231	-5.456	36.98
#3	-.8850	-.9790	-5.456	21.09

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8019.0	51637.	9835.9
Stddev	28.8	516.	99.8
%RSD	.35929	.99968	1.0151

#1	7987.1	52153.	9932.5
#2	8026.5	51120.	9733.1
#3	8043.2	51637.	9842.1

Sample Name: ICSAB Acquired: 4/9/2016 17:40:15 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	508100.	92.66	102.2	101.5	99.20	495300.
Stddev	713.	2.54	.9	.4	.47	2265.
%RSD	.1402	2.745	.9074	.3685	.4767	.4574

#1	507500.	91.41	103.3	101.7	99.13	492800.
#2	508000.	95.59	101.7	101.8	98.76	495900.
#3	508900.	90.99	101.7	101.1	99.70	497200.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	96.53	96.88	98.12	104.9	194900.	10490.
Stddev	.28	.26	.65	.5	166.	84.
%RSD	.2911	.2702	.6636	.4949	.0852	.8004

#1	96.39	96.90	98.82	105.4	195100.	10410.
#2	96.85	97.13	98.02	104.4	195000.	10500.
#3	96.34	96.61	97.53	104.8	194800.	10570.

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

Sample Name: ICSAB Acquired: 4/9/2016 17:40:15 Type: QC
Method: BC04012016_P(v12) 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	507500.	97.84	10680.	94.81	97.73	98.64
Stddev	453.	.22	14.	.60	1.22	2.18
%RSD	.0892	.2199	.1341	.6341	1.247	2.207

#1	507900.	97.94	10670.	94.17	99.08	96.66
#2	507000.	97.99	10680.	95.37	97.37	98.28
#3	507600.	97.60	10690.	94.88	96.73	101.0

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	96.55	95.32	99.03	94.64	97.05	95.37
Stddev	3.45	2.21	.99	.46	.75	.36
%RSD	3.572	2.315	1.003	.4843	.7731	.3790

#1	92.68	92.85	99.77	95.00	97.66	95.30
#2	99.29	96.01	99.41	94.13	96.21	95.76
#3	97.67	97.10	97.90	94.80	97.28	95.05

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

Sample Name: ICSAB Acquired: 4/9/2016 17:40:15 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	94.89	99.91	97.67	117.6
Stddev	.59	.24	.26	9.9
%RSD	.6203	.2447	.2616	8.431

#1	95.55	100.2	97.57	106.4
#2	94.44	99.68	97.48	121.2
#3	94.67	99.89	97.96	125.3

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	8019.2	51881.	10023.
Stddev	13.4	56.	175.
%RSD	.16726	.10845	1.7440

#1	8018.0	51887.	10180.
#2	8006.4	51933.	10054.
#3	8033.2	51821.	9834.4

Sample Name: INT-A 4154117 Acquired: 4/9/2016 17:44:09 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	97.26	1.518	-.0457	-.9341	-.2771	82.97
Stddev	54.81	1.668	.2264	.1342	.0478	77.06
%RSD	56.36	109.9	495.2	14.37	17.25	92.88

#1	130.2	2.971	-.0457	-1.057	-.2283	60.47
#2	127.6	-.3037	-.2721	-.7906	-.2793	168.8
#3	33.99	1.887	.1806	-.9550	-.3238	19.66

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4048	10360.	-2.723	.4871	14.13	-1.615
Stddev	.0626	44.	.188	.3433	20.30	31.97
%RSD	15.47	.4201	6.918	70.48	143.7	1979.

#1	-.4065	10390.	-2.505	.2069	13.85	33.10
#2	-.3413	10370.	-2.828	.3843	34.57	-8.097
#3	-.4665	10310.	-2.835	.8700	-6.031	-29.85

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

Sample Name: INT-A 4154117 Acquired: 4/9/2016 17:44:09 Type: QC
Method: BC04012016_P(v12) 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	65.76	.0465	116.3	-3.412	-.2122	-5.521
Stddev	75.34	.0250	15.1	.443	.6394	.363
%RSD	114.6	53.69	12.96	12.99	301.3	6.581
#1	40.18	.0466	116.2	-2.916	-.7186	-5.226
#2	150.6	.0215	131.4	-3.552	.5063	-5.409
#3	6.553	.0715	101.2	-3.768	-.4243	-5.927

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	.1102	2.887	4957.	-1.138	12.92	-.0679
Stddev	.2607	1.634	18.	.121	1.02	.2438
%RSD	236.7	56.60	.3602	10.65	7.906	359.0
#1	.4036	2.795	4972.	-1.103	14.07	-.2803
#2	-.0948	4.565	4961.	-1.038	12.55	-.1216
#3	.0217	1.301	4937.	-1.273	12.13	.1983

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

Sample Name: INT-A 4154117 Acquired: 4/9/2016 17:44:09 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9917.	9880.	-.2112	10690.
Stddev	55.	110.	.5053	158.
%RSD	.5524	1.109	239.2	1.474

#1	9966.	9755.	-.7108	10550.
#2	9927.	9928.	-.2225	10860.
#3	9858.	9957.	.2996	10650.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8936.4	57275.	10419.
Stddev	51.0	377.	9.
%RSD	.57047	.65857	.08592

#1	8895.3	56844.	10419.
#2	8920.5	57431.	10429.
#3	8993.4	57548.	10411.

Sample Name: INT-B 4154119 Acquired: 4/9/2016 17:48:07 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.091	1.806	-.3537	-.6175	.4110	-68.08
Stddev	4.636	1.389	.0954	.1632	.1584	2.20
%RSD	76.11	76.93	26.98	26.42	38.55	3.237
#1	3.850	1.005	-.3286	-.4760	.5367	-66.84
#2	11.42	1.003	-.4592	-.7960	.2330	-66.78
#3	3.001	3.411	-.2733	-.5806	.4632	-70.62

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2596	-2.279	9932.	9513.	-46.49	7.497
Stddev	.0679	.133	32.	27.	9.30	7.506
%RSD	26.15	5.847	.3270	.2880	19.99	100.1
#1	.2913	-2.229	9904.	9485.	-36.87	9.743
#2	.3059	-2.179	9968.	9516.	-55.42	-.8755
#3	.1817	-2.431	9924.	9539.	-47.19	13.62

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

Sample Name: INT-B 4154119 Acquired: 4/9/2016 17:48:07 Type: QC
Method: BC04012016_P(v12) 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	38.36	9982.	35.71	10460.	-2.279	2.769
Stddev	10.00	28.	6.75	36.	1.328	2.598
%RSD	26.06	.2757	18.90	.3414	58.27	93.81
#1	47.19	9957.	42.37	10480.	-2.856	1.063
#2	40.39	10010.	28.87	10480.	-.7602	1.486
#3	27.51	9977.	35.88	10410.	-3.222	5.759

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	4.497	2.084	2.617	-.4807	13.90	4837.
Stddev	3.154	2.745	4.218	.1745	.47	15.
%RSD	70.15	131.7	161.2	36.29	3.365	.3159
#1	4.175	1.381	7.481	-.3630	13.47	4845.
#2	7.799	5.112	.4059	-.6812	13.83	4846.
#3	1.515	-.2404	-.0361	-.3980	14.39	4819.

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

Sample Name: INT-B 4154119 Acquired: 4/9/2016 17:48:07 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.033	1.404	9845.	51.64
Stddev	.373	.083	23.	23.27
%RSD	36.13	5.908	.2335	45.05

#1	.7086	1.483	9819.	26.90
#2	1.441	1.413	9864.	54.96
#3	.9504	1.317	9851.	73.07

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8824.8	57857.	10374.
Stddev	12.2	183.	144.
%RSD	.13831	.31562	1.3865

#1	8832.6	57746.	10320.
#2	8831.0	57757.	10265.
#3	8810.7	58068.	10537.

Sample Name: pds460-111531-G-1-B Acquired: 4/9/2016 17:52:04 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment: x5

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2140.	1953.	53.98	2184.	51.92	42700.
Stddev	14.	7.	.92	2.	.10	184.
%RSD	.6393	.3671	1.697	.1106	.2009	.4309

#1	2124.	1945.	53.63	2186.	51.92	42850.
#2	2151.	1954.	53.29	2185.	52.03	42760.
#3	2143.	1959.	55.02	2181.	51.82	42490.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.62	503.3	207.3	259.2	1170.	20100.
Stddev	.13	1.2	4.1	5.0	12.	55.
%RSD	.2606	.2409	1.982	1.929	1.037	.2727

#1	51.76	504.7	205.0	256.0	1184.	20040.
#2	51.49	502.4	204.8	256.7	1160.	20140.
#3	51.60	502.9	212.0	265.0	1166.	20110.

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

Sample Name: pds460-111531-G-1-B Acquired: 4/9/2016 17:52:04 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x5

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22390.	656.0	F 280000.	511.6	609.8	483.4
Stddev	76.	2.4	2855.	1.0	2.6	1.0
%RSD	.3406	.3597	1.020	.1984	.4316	.2096

#1	22430.	655.0	282900.	512.7	611.6	484.6
#2	22430.	654.3	280000.	510.7	606.8	483.1
#3	22300.	658.7	277200.	511.4	611.0	482.6

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2018.	2047.	509.6	723.7	541.6	492.1
Stddev	12.	7.	.9	4.1	1.2	1.5
%RSD	.6002	.3661	.1769	.5712	.2214	.3125

#1	2004.	2050.	508.6	727.4	540.4	491.3
#2	2021.	2051.	510.4	719.2	542.8	493.8
#3	2028.	2038.	509.7	724.5	541.6	491.1

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

Sample Name: pds460-111531-G-1-B Acquired: 4/9/2016 17:52:04 Type: Unk
 Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: x5

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	503.6	655.8	524.8	841.1
Stddev	1.5	.4	3.9	26.7
%RSD	.2928	.0544	.7458	3.168

#1	505.0	656.0	522.5	819.7
#2	502.1	656.1	522.6	832.6
#3	503.6	655.4	529.3	871.0

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	8517.7	54791.	10273.
Stddev	36.1	402.	119.
%RSD	.42359	.73399	1.1616

#1	8496.2	54367.	10271.
#2	8559.3	54839.	10154.
#3	8497.5	55168.	10393.

Sample Name: 460-111531-G-1-D MS Acquired: 4/9/2016 17:55:38 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x5

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1172.	988.5	96.40	2203.	205.0	29100.
Stddev	4.	6.2	.29	5.	1.5	53.
%RSD	.3449	.6304	.3028	.2295	.7442	.1824

#1	1169.	990.9	96.73	2204.	206.8	29160.
#2	1177.	993.3	96.27	2207.	203.9	29090.
#3	1171.	981.5	96.19	2197.	204.3	29050.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	211.3	211.6	989.6	211.4	348.8	5657.
Stddev	.8	.9	4.7	1.3	8.1	38.
%RSD	.3613	.4325	.4713	.5966	2.323	.6779

#1	211.3	211.8	992.1	212.1	357.8	5671.
#2	212.1	212.4	992.6	212.2	342.0	5613.
#3	210.6	210.6	984.2	210.0	346.6	5686.

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

Sample Name: 460-111531-G-1-D MS Acquired: 4/9/2016 17:55:38 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment: x5

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7455.	366.1	F 283500.	215.2	1124.	198.2
Stddev	29.	.5	2058.	1.1	3.	2.3
%RSD	.3831	.1339	.7260	.4892	.2676	1.144

#1	7472.	366.6	285900.	214.1	1121.	198.2
#2	7470.	366.0	282400.	216.2	1124.	200.4
#3	7422.	365.6	282200.	215.3	1127.	195.9

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	209.2	208.6	102.2	450.4	237.8	199.0
Stddev	3.8	3.2	.7	5.0	.5	.7
%RSD	1.828	1.545	.7041	1.108	.2226	.3637

#1	212.3	208.0	102.9	444.7	238.2	199.5
#2	204.9	205.8	102.2	452.6	238.1	198.2
#3	210.3	212.1	101.4	453.9	237.2	199.3

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

Sample Name: 460-111531-G-1-D MS Acquired: 4/9/2016 17:55:38 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x5

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	193.8	374.8	214.5	830.4
Stddev	.8	.9	1.0	17.6
%RSD	.3995	.2287	.4675	2.120

#1	194.5	374.0	215.4	810.1
#2	193.9	374.6	214.7	842.2
#3	193.0	375.7	213.4	838.8

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	8542.8	54927.	10174.
Stddev	25.8	84.	44.
%RSD	.30177	.15333	.42777

#1	8529.4	54838.	10151.
#2	8526.6	54935.	10224.
#3	8572.6	55006.	10146.

Sample Name: 460-111531-G-1-C DU Acquired: 4/9/2016 17:59:16 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment: x5

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	181.1	4.064	.2225	179.5	.0811	23190.
Stddev	9.5	1.358	.2788	.4	.0425	90.
%RSD	5.259	33.42	125.3	.2347	52.37	.3881

#1	188.3	5.002	.3670	179.9	.1174	23270.
#2	184.6	2.507	-.0988	179.5	.0344	23210.
#3	170.3	4.684	.3994	179.1	.0915	23100.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.301	1.238	.3165	10.51	155.2	1560.
Stddev	.049	.209	.0545	.35	2.0	47.
%RSD	3.726	16.86	17.21	3.296	1.289	3.036

#1	1.336	1.313	.3474	10.13	157.4	1506.
#2	1.321	1.002	.2536	10.82	154.6	1578.
#3	1.246	1.399	.3485	10.56	153.5	1595.

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

Sample Name: 460-111531-G-1-C DU Acquired: 4/9/2016 17:59:16 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment: x5

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3345.	146.5	F 259300.	2.049	109.9	-.4942
Stddev	50.	1.7	1252.	.256	1.4	1.190
%RSD	1.500	1.186	.4828	12.48	1.304	240.7

#1	3363.	146.9	260800.	2.327	109.1	-.4501
#2	3384.	148.1	258900.	1.824	111.6	-1.705
#3	3289.	144.6	258400.	1.995	109.1	.6727

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	1.668	2.861	1.358	218.3	31.05	-.2891
Stddev	.846	.673	.305	1.0	.29	.0562
%RSD	50.75	23.52	22.49	.4781	.9335	19.44

#1	2.467	3.529	1.381	218.1	31.38	-.3481
#2	1.754	2.183	1.651	219.4	30.85	-.2829
#3	.7813	2.871	1.042	217.3	30.91	-.2362

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

Sample Name: 460-111531-G-1-C DU Acquired: 4/9/2016 17:59:16 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x5

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.126	163.6	5.652	789.0
Stddev	.289	1.8	.317	27.3
%RSD	25.69	1.104	5.610	3.462

#1	.8716	165.7	5.308	766.6
#2	1.067	162.7	5.933	819.4
#3	1.441	162.4	5.714	781.0

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	8595.8	55289.	10237.
Stddev	26.8	295.	60.
%RSD	.31143	.53309	.58376

#1	8576.5	55018.	10225.
#2	8584.5	55246.	10302.
#3	8626.4	55603.	10184.

Sample Name: 460-111531-G-1-B@5 Acquired: 4/9/2016 18:03:05 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	177.6	1.293	-.1043	176.6	.1067	22840.
Stddev	4.2	.417	.1784	.1	.0721	129.
%RSD	2.340	32.25	171.0	.0691	67.53	.5645

#1	181.2	.8414	.0696	176.4	.1499	22780.
#2	178.6	1.663	-.0958	176.6	.0235	22760.
#3	173.1	1.375	-.2868	176.7	.1468	22990.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.100	1.024	.2403	10.54	149.9	1511.
Stddev	.017	.089	.3367	.10	10.1	20.
%RSD	1.571	8.678	140.1	.9939	6.748	1.329

#1	1.099	1.040	.0668	10.42	150.7	1488.
#2	1.117	1.104	.6283	10.57	159.6	1526.
#3	1.083	.9281	.0257	10.62	139.4	1519.

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

Sample Name: 460-111531-G-1-B@5 Acquired: 4/9/2016 18:03:05 Type: Unk

Method: BC04012016_P(v12) 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	3291.	144.0	F 257200.	2.467	108.0	-1.555
Stddev	4.	.4	1221.	.438	1.2	.747
%RSD	.1202	.2683	.4747	17.74	1.089	48.04

#1	3287.	143.6	258500.	2.859	109.3	-.9599
#2	3293.	144.4	256100.	2.546	107.2	-1.311
#3	3294.	144.1	257100.	1.995	107.4	-2.393

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.868	1.016	1.143	214.7	29.69	-.6875
Stddev	1.307	2.128	.224	1.2	.18	.2216
%RSD	45.58	209.5	19.59	.5559	.5909	32.23

#1	1.375	3.013	1.333	213.3	29.83	-.6237
#2	3.807	-1.223	.8960	215.5	29.76	-.9339
#3	3.421	1.257	1.200	215.3	29.50	-.5048

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

Sample Name: 460-111531-G-1-B@5 Acquired: 4/9/2016 18:03:05 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3625	161.6	5.239	781.2
Stddev	.2157	.5	.247	19.0
%RSD	59.52	.2907	4.722	2.428

#1	.1347	161.9	5.018	759.3
#2	.5637	161.8	5.194	793.7
#3	.3890	161.1	5.506	790.5

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	8587.7	55536.	10178.
Stddev	28.6	534.	206.
%RSD	.33279	.96111	2.0217

#1	8619.8	55657.	10212.
#2	8578.5	56000.	10365.
#3	8565.0	54953.	9957.5

Sample Name: sd460-111531-G-1-B@2 Acquired: 4/9/2016 18:06:54 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x25

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36.70	1.363	-.3082	35.17	-.0632	4622.
Stddev	5.14	.308	.2079	.27	.1086	8.
%RSD	14.01	22.63	67.45	.7718	171.9	.1774
#1	39.68	1.373	-.3565	34.89	.0111	4613.
#2	30.76	1.049	-.4877	35.44	-.0128	4624.
#3	39.65	1.666	-.0804	35.18	-.1879	4629.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3246	.0112	.0455	2.566	26.84	318.8
Stddev	.0803	.1610	.2689	.140	4.00	7.2
%RSD	24.74	1437.	590.4	5.469	14.89	2.256
#1	.3624	.1421	.3546	2.719	31.03	313.1
#2	.3791	-.1686	-.1353	2.443	23.07	316.5
#3	.2324	.0601	-.0826	2.535	26.43	326.9

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

Sample Name: sd460-111531-G-1-B@2 Acquired: 4/9/2016 18:06:54 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x25

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	663.5	28.70	52500.	-.0262	21.63	-1.498
Stddev	2.0	.18	197.	.6227	.62	.321
%RSD	.3031	.6190	.3750	2380.	2.853	21.43
#1	661.3	28.50	52290.	-.3547	22.32	-1.320
#2	664.2	28.81	52540.	-.4158	21.12	-1.306
#3	665.1	28.79	52680.	.6920	21.44	-1.869

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	1.959	2.501	.5040	42.46	6.051	-1.237
Stddev	.249	2.622	.5283	.38	.420	.259
%RSD	12.73	104.8	104.8	.9059	6.947	20.95
#1	2.064	5.527	-.0720	42.02	6.536	-1.503
#2	2.139	1.072	.9661	42.68	5.826	-.9857
#3	1.674	.9040	.6178	42.68	5.791	-1.222

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

Sample Name: sd460-111531-G-1-B@2 Acquired: 4/9/2016 18:06:54 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x25

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4330	32.30	.6013	142.3
Stddev	.4315	.27	.2700	9.4
%RSD	99.65	.8376	44.90	6.583

#1	.5510	32.06	.8927	150.7
#2	.7932	32.59	.5516	144.0
#3	-.0452	32.23	.3596	132.2

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	8769.9	56543.	10214.
Stddev	26.1	74.	91.
%RSD	.29799	.13077	.88892

#1	8743.1	56536.	10318.
#2	8771.2	56474.	10152.
#3	8795.3	56621.	10173.

Sample Name: MB 460-361492/1-A Acquired: 4/9/2016 18:10:47 Type: QC

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-13.40	.0612	.0354	-.1378	.1068	11.60
Stddev	9.03	.4300	.7335	.2259	.0284	5.86
%RSD	67.40	702.2	2072.	163.9	26.62	50.55

#1	-22.74	-.2266	.5988	-.3497	.0749	4.917
#2	-12.76	-.1453	-.7940	.0999	.1159	15.89
#3	-4.711	.5556	.3014	-.1637	.1295	13.99

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0075	-.0873	.1222	1.525	1.451	4.316
Stddev	.0561	.1570	.2725	.421	6.524	10.58
%RSD	750.7	179.7	223.0	27.59	449.5	245.1

#1	-.0543	-.1901	.4072	1.180	-4.594	13.89
#2	.0550	-.1652	.0952	1.400	8.366	6.097
#3	.0217	.0933	-.1358	1.993	.5826	-7.039

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

Sample Name: MB 460-361492/1-A Acquired: 4/9/2016 18:10:47 Type: QC

Method: BC04012016_P(v12) 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	2.973	.0329	73.88	-.4841	1.475	-1.470
Stddev	2.519	.0237	27.48	.3071	.587	.463
%RSD	84.73	71.98	37.19	63.44	39.75	31.53

#1	1.454	.0086	105.6	-.4734	1.555	-1.984
#2	1.585	.0341	59.25	-.1825	2.018	-1.340
#3	5.881	.0559	56.82	-.7964	.8533	-1.085

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	2.166	1.537	-.3515	.5121	-.0108	-.9404
Stddev	1.436	2.749	.0641	.0574	.2492	.3224
%RSD	66.27	178.8	18.23	11.20	2317.	34.28

#1	1.411	-1.562	-.3454	.4478	-.2553	-.7260
#2	1.266	2.491	-.2907	.5579	-.0198	-.7841
#3	3.822	3.683	-.4184	.5305	.2429	-1.311

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

Sample Name: MB 460-361492/1-A Acquired: 4/9/2016 18:10:47 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3029	-.0880	-.7452	16.87
Stddev	.6229	.0241	.1991	4.73
%RSD	205.7	27.40	26.72	28.03

#1	-.0398	-.0857	-.9360	11.42
#2	.1453	-.0651	-.5387	19.80
#3	-1.014	-.1132	-.7608	19.40

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	8921.7	58087.	10353.
Stddev	28.7	117.	41.
%RSD	.32184	.20200	.39582

#1	8945.6	58012.	10400.
#2	8929.6	58222.	10328.
#3	8889.9	58026.	10330.

Sample Name: CCV Acquired: 4/9/2016 18:14:43 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122200.	2402.	1190.	9908.	981.9	119200.
Stddev	448.	19.	2.	20.	1.9	241.
%RSD	.3664	.7856	.2048	.2039	.1913	.2019

#1	121700.	2421.	1189.	9929.	979.7	119000.
#2	122400.	2401.	1193.	9909.	983.1	119500.
#3	122500.	2383.	1189.	9888.	982.8	119100.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1216.	2422.	4812.	11900.	96360.	48910.
Stddev	3.	4.	7.	14.	235.	195.
%RSD	.2187	.1717	.1491	.1157	.2437	.3991

#1	1219.	2426.	4811.	11910.	96300.	48680.
#2	1216.	2423.	4820.	11910.	96610.	49010.
#3	1214.	2418.	4805.	11890.	96150.	49030.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/9/2016 18:14:43 Type: QC
Method: BC04012016_P(v12) 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	119500.	4929.	123400.	2455.	7281.	958.4
Stddev	259.	9.	191.	1.	16.	2.5
%RSD	.2170	.1924	.1545	.0362	.2211	.2583

#1	119300.	4926.	123500.	2455.	7295.	961.1
#2	119800.	4940.	123500.	2456.	7285.	957.7
#3	119300.	4922.	123200.	2454.	7264.	956.3

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	2380.	2440.	2411.	2448.	949.0	2365.
Stddev	13.	11.	2.	1.	4.6	7.
%RSD	.5605	.4312	.0984	.0556	.4831	.2998

#1	2388.	2451.	2410.	2449.	953.6	2370.
#2	2387.	2439.	2413.	2446.	949.0	2367.
#3	2364.	2430.	2408.	2448.	944.5	2357.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/9/2016 18:14:43 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	959.5	4948.	9757.	9694.
Stddev	4.3	5.	16.	88.
%RSD	.4461	.0922	.1647	.9076

#1	964.5	4945.	9762.	9736.
#2	957.1	4953.	9770.	9754.
#3	957.0	4947.	9739.	9593.

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	8386.1	54865.	10081.
Stddev	12.6	137.	120.
%RSD	.15060	.24887	1.1910

#1	8372.8	54833.	10204.
#2	8387.5	54747.	10074.
#3	8398.0	55014.	9963.6

Sample Name: CCB Acquired: 4/9/2016 18:18:10 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.710	.5052	.1004	.5089	.1161	20.21
Stddev	7.754	1.519	.7448	.7967	.0510	10.64
%RSD	286.2	300.7	741.9	156.5	43.92	52.64

#1	-6.579	-1.145	.8547	1.424	.1079	32.49
#2	-7.768	1.844	.0809	.1356	.1707	13.88
#3	6.218	.8166	-.6345	-.0325	.0697	14.26

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1648	.0735	-.0669	1.197	7.337	31.88
Stddev	.1090	.1515	.5727	.660	13.22	39.15
%RSD	66.15	206.0	856.2	55.14	180.2	122.8

#1	.2151	.2469	.5202	1.957	22.06	44.05
#2	.2396	.0071	-.6240	.7678	3.489	63.51
#3	.0397	-.0334	-.0969	.8660	-3.534	-11.91

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

Sample Name: CCB Acquired: 4/9/2016 18:18:10 Type: QC
Method: BC04012016_P(v12) 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	10.85	.2881	75.31	-.1375	.6122	-.6576
Stddev	11.88	.3421	15.56	.3601	1.283	.3983
%RSD	109.4	118.7	20.66	261.8	209.6	60.57

#1	24.55	.6827	92.48	.2674	1.930	-.8121
#2	4.651	.1055	62.15	-.2584	.5388	-.9555
#3	3.363	.0761	71.30	-.4216	-.6325	-.2052

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	4.298	3.766	.3484	.1907	1.199	.9526
Stddev	1.355	.072	.2799	.3232	.481	.5056
%RSD	31.53	1.918	80.34	169.5	40.15	53.08

#1	5.311	3.734	.1682	.5601	1.749	1.414
#2	2.759	3.848	.2062	-.0401	.8542	1.031
#3	4.826	3.715	.6709	.0521	.9936	.4122

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

Sample Name: CCB Acquired: 4/9/2016 18:18:10 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4696	.0539	1.101	5.455
Stddev	.4348	.0343	.725	3.890
%RSD	92.58	63.62	65.84	71.30

#1	.9627	.0163	1.934	3.586
#2	.1415	.0619	.6163	2.853
#3	.3046	.0835	.7522	9.927

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	8865.6	57509.	10263.
Stddev	41.7	596.	111.
%RSD	.47034	1.0370	1.0803

#1	8817.5	56887.	10156.
#2	8886.6	57564.	10255.
#3	8892.6	58075.	10377.

Sample Name: CCVL Acquired: 4/9/2016 18:22:04 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	193.9	15.62	10.01	208.0	1.941	5025.
Stddev	10.8	2.17	.67	.3	.084	33.
%RSD	5.544	13.87	6.663	.1533	4.304	.6486

#1	189.9	18.10	10.14	208.2	1.856	5020.
#2	185.7	14.64	9.290	207.7	1.944	4995.
#3	206.1	14.11	10.61	208.2	2.023	5059.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.169	51.94	10.47	25.28	156.3	4858.
Stddev	.084	.24	.66	.72	4.0	48.
%RSD	2.016	.4553	6.258	2.868	2.555	.9836

#1	4.093	51.67	11.22	25.77	160.8	4803.
#2	4.155	52.10	10.12	24.44	153.4	4884.
#3	4.259	52.05	10.05	25.61	154.7	4887.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/9/2016 18:22:04 Type: QC
Method: BC04012016_P(v12) 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	4857.	16.26	5086.	42.58	11.21	17.85
Stddev	25.	.27	19.	.17	.67	3.12
%RSD	.5167	1.634	.3785	.4053	5.969	17.45

#1	4829.	16.56	5105.	42.76	11.37	14.31
#2	4877.	16.07	5086.	42.57	11.79	20.18
#3	4866.	16.14	5067.	42.42	10.48	19.07

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	21.78	22.64	50.47	31.31	48.25	19.23
Stddev	2.42	1.21	.08	.20	.31	.28
%RSD	11.11	5.345	.1513	.6329	.6500	1.432

#1	24.57	21.38	50.56	31.09	48.05	19.00
#2	20.25	22.75	50.41	31.35	48.09	19.14
#3	20.51	23.80	50.46	31.48	48.61	19.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/9/2016 18:22:04 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	49.54	20.67	20.61	F 8.045
Stddev	.72	.12	.54	20.16
%RSD	1.463	.5813	2.612	250.6

#1	48.95	20.54	21.22	9.377
#2	49.33	20.77	20.37	-12.75
#3	50.35	20.70	20.23	27.50

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8880.9	57353.	10301.
Stddev	32.2	127.	49.
%RSD	.36227	.22226	.47600

#1	8851.6	57290.	10309.
#2	8915.3	57500.	10249.
#3	8876.0	57269.	10346.

Sample Name: LB 460-361031/1-H@5 Acquired: 4/9/2016 18:25:55 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.784	-.0591	.0612	-.1164	-.0099	18.83
Stddev	7.782	1.996	.4142	.0523	.0558	2.91
%RSD	279.5	3375.	677.0	44.90	564.7	15.46

#1	-2.352	1.356	.5115	-.0607	-.0711	21.21
#2	4.773	-2.342	-.3036	-.1644	.0382	15.58
#3	-10.77	.8092	-.0243	-.1240	.0032	19.71

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0776	-.0418	.1771	1.920	-10.17	171.0
Stddev	.0766	.0729	.2275	.512	1.53	12.7
%RSD	98.77	174.7	128.5	26.67	15.10	7.445

#1	.0806	.0213	.2423	1.398	-9.737	156.5
#2	.1527	-.1216	.3649	2.422	-8.892	180.6
#3	-.0005	-.0250	-.0759	1.939	-11.87	175.8

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

Sample Name: LB 460-361031/1-H@5 Acquired: 4/9/2016 18:25:55 Type: Unk

Method: BC04012016_P(v12) 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	5.177	.0736	F 289300.	1.060	-.3333	-1.604
Stddev	3.294	.0921	2755.	.174	.7053	.769
%RSD	63.63	125.1	.9524	16.41	211.6	47.94

#1	8.395	.1637	292200.	.8622	-.8603	-2.491
#2	5.324	-.0204	289000.	1.189	.4680	-1.198
#3	1.812	.0776	286700.	1.129	-.6076	-1.124

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	1.429	2.122	-.0261	.3131	1.606	-.5257
Stddev	2.853	1.743	.4001	.0636	.139	.3531
%RSD	199.6	82.17	1533.	20.30	8.641	67.17

#1	-1.865	1.313	.1652	.2629	1.766	-.5728
#2	3.100	4.123	.2425	.2917	1.524	-.8530
#3	3.052	.9294	-.4859	.3845	1.528	-.1515

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

Sample Name: LB 460-361031/1-H@5 Acquired: 4/9/2016 18:25:55 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5809	-.0203	-.8021	16.51
Stddev	.7148	.0978	.1311	12.05
%RSD	123.1	481.6	16.35	73.00

#1	.7609	-.0924	-.8787	13.71
#2	1.188	.0911	-.6507	29.72
#3	-.2067	-.0596	-.8768	6.108

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8660.3	56257.	10204.
Stddev	15.9	337.	181.
%RSD	.18383	.59922	1.7708

#1	8642.1	56642.	10403.
#2	8671.8	56013.	10049.
#3	8666.8	56116.	10160.

Sample Name: LB 460-361354/1-B@5 Acquired: 4/9/2016 18:29:49 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.444	-.2704	.3587	.0187	.0188	12.78
Stddev	14.62	1.197	.4967	.2891	.2031	3.49
%RSD	424.5	442.5	138.5	1546.	1082.	27.30

#1	12.03	.3340	.2354	.3092	.0348	8.786
#2	-5.338	.5037	.9055	-.2690	-.1919	14.29
#3	-17.03	-1.649	-.0647	.0159	.2134	15.25

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0244	-.0786	-.0389	.8228	1.231	30.76
Stddev	.1158	.1442	.1977	.5842	4.060	39.20
%RSD	473.7	183.4	507.6	71.00	329.7	127.5

#1	-.1003	.0866	-.0711	1.461	5.618	71.21
#2	.1284	-.1787	-.2186	.3150	.4681	28.13
#3	.0452	-.1438	.1728	.6922	-2.392	-7.061

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

Sample Name: LB 460-361354/1-B@5 Acquired: 4/9/2016 18:29:49 Type: Unk

Method: BC04012016_P(v12) 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	4.189	-.0503	155.7	.1221	-.2166	-.9344
Stddev	3.426	.0288	104.4	.4802	.8796	1.725
%RSD	81.79	57.30	67.01	393.3	406.2	184.6

#1	7.313	-.0204	274.7	.5400	.7536	-1.957
#2	.5250	-.0779	113.2	.2288	-.9620	1.057
#3	4.728	-.0526	79.36	-.4025	-.4413	-1.903

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	1.925	3.456	.0900	.1610	.3182	-.9000
Stddev	2.360	4.327	.0423	.0983	.3544	.4101
%RSD	122.6	125.2	47.05	61.08	111.4	45.56

#1	4.617	5.317	.0773	.2744	.1852	-.9698
#2	.2081	-1.490	.0554	.0996	.7198	-1.271
#3	.9509	6.541	.1372	.1090	.0496	-.4595

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

Sample Name: LB 460-361354/1-B@5 Acquired: 4/9/2016 18:29:49 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1159	-.0001	-.7876	2.175
Stddev	.6362	.1411	.0561	12.15
%RSD	549.0	272700.	7.119	558.6

#1	.0340	-.1454	-.7708	-6.186
#2	.7891	.1364	-.8501	-3.404
#3	-.4754	.0088	-.7418	16.12

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	8919.8	57975.	10245.
Stddev	22.2	218.	48.
%RSD	.24839	.37614	.46829

#1	8894.4	57902.	10276.
#2	8930.2	57802.	10190.
#3	8934.9	58220.	10269.

Sample Name: LB 460-361355/1-F@5 Acquired: 4/9/2016 18:33:43 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.970	1.214	.1109	-.0578	.0752	16.56
Stddev	9.277	1.459	.1733	.0647	.0469	2.41
%RSD	116.4	120.2	156.3	112.0	62.36	14.58

#1	-.4678	.1378	.2726	-.0985	.0279	17.15
#2	-18.34	2.875	.1321	.0169	.0761	13.90
#3	-5.100	.6285	-.0721	-.0917	.1217	18.62

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1041	-.1596	.0694	1.499	6.590	259.1
Stddev	.1156	.1080	.3031	.375	4.228	65.9
%RSD	111.1	67.68	437.0	24.99	64.16	25.43

#1	-.0050	-.1024	.4144	1.079	10.96	183.1
#2	.0919	-.2842	-.1540	1.619	6.282	300.4
#3	.2252	-.0922	-.0523	1.799	2.524	293.9

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

Sample Name: LB 460-361355/1-F@5 Acquired: 4/9/2016 18:33:43 Type: Unk

Method: BC04012016_P(v12) 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	4.512	.1053	F 292400.	.9935	-.4662	-2.071
Stddev	3.317	.0238	3424.	.2125	1.077	1.084
%RSD	73.50	22.60	1.171	21.39	231.0	52.35

#1	8.316	.1081	296200.	.9695	.0175	-2.468
#2	2.998	.1276	291200.	1.217	.2840	-.8446
#3	2.223	.0803	289700.	.7940	-1.700	-2.902

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.897	.6943	.1115	.2967	1.467	-1.070
Stddev	.485	2.382	.3892	.0273	.547	.177
%RSD	25.55	343.1	349.0	9.210	37.26	16.57

#1	2.305	2.979	-.2899	.2864	1.151	-1.210
#2	2.024	.8772	.1373	.2761	1.152	-1.128
#3	1.361	-1.774	.4872	.3277	2.098	-.8705

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

Sample Name: LB 460-361355/1-F@5 Acquired: 4/9/2016 18:33:43 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4287	-.1224	-.7162	6.451
Stddev	.7329	.0788	.1807	7.323
%RSD	171.0	64.41	25.23	113.5

#1	.4788	-.0878	-.9128	13.87
#2	1.135	-.0667	-.6785	-.7757
#3	-.3280	-.2126	-.5573	6.263

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8624.3	55819.	10270.
Stddev	6.9	593.	33.
%RSD	.08012	1.0616	.32064

#1	8617.8	55135.	10267.
#2	8631.6	56147.	10304.
#3	8623.4	56176.	10238.

Sample Name: LCS 460-361492/2-A@2 Acquired: 4/9/2016 18:37:37 Type: QC

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2452.	2353.	236.7	5029.	503.9	9732.
Stddev	17.	12.	1.1	7.	.9	70.
%RSD	.7022	.5081	.4634	.1390	.1753	.7157

#1	2471.	2352.	235.8	5035.	503.7	9698.
#2	2437.	2366.	237.9	5031.	503.1	9812.
#3	2449.	2342.	236.3	5022.	504.9	9685.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	517.1	523.2	2435.	484.6	494.4	9628.
Stddev	.6	.9	15.	1.9	4.0	47.
%RSD	.1155	.1628	.6094	.3950	.8113	.4925

#1	516.9	522.3	2425.	484.6	493.5	9592.
#2	516.7	524.0	2452.	486.5	490.9	9682.
#3	517.8	523.4	2428.	482.7	498.8	9610.

Check ?	None	None	Chk Pass	Chk Pass	None	None
Value						
Range						

Sample Name: LCS 460-361492/2-A@2 Acquired: 4/9/2016 18:37:37 Type: QC

Method: BC04012016_P(v12) 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	9585.	531.0	10040.	532.9	2513.	485.4
Stddev	59.	2.0	16.	.8	3.	3.0
%RSD	.6190	.3772	.1618	.1422	.1225	.6267

#1	9543.	529.4	10050.	533.6	2514.	487.9
#2	9653.	533.2	10050.	532.9	2510.	486.2
#3	9560.	530.2	10020.	532.1	2516.	482.0

Check ?	None	None	None	Chk Pass	Chk Pass	None
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	491.1	528.7	246.7	527.8	499.0	491.4
Stddev	1.0	.3	1.3	1.0	1.2	2.5
%RSD	.2069	.0636	.5135	.1945	.2484	.5057

#1	490.0	528.9	246.4	527.9	499.8	494.3
#2	492.0	528.9	248.0	526.7	497.6	489.9
#3	491.4	528.3	245.6	528.7	499.5	490.1

Check ?	Chk Pass	None	None	Chk Pass	None	None
Value						
Range						

Sample Name: LCS 460-361492/2-A@2 Acquired: 4/9/2016 18:37:37 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	483.7	504.4	503.6	15.71
Stddev	1.2	1.4	1.5	11.93
%RSD	.2460	.2820	.2965	75.95

#1	484.6	504.9	503.4	28.87
#2	482.3	505.6	505.3	12.69
#3	484.1	502.8	502.3	5.578

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	8851.4	57503.	10365.
Stddev	11.7	454.	192.
%RSD	.13177	.78875	1.8495

#1	8841.4	57722.	10271.
#2	8864.2	56982.	10586.
#3	8848.8	57806.	10239.

Sample Name: 460-111532-H-7-E@5 Acquired: 4/9/2016 18:41:10 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	189.2	1.874	.3089	54.77	.2019	3143.
Stddev	17.4	1.124	.3739	.09	.0689	18.
%RSD	9.182	59.98	121.0	.1615	34.12	.5861

#1	174.9	.9655	.0519	54.79	.2777	3150.
#2	184.1	3.132	.1369	54.84	.1852	3122.
#3	208.5	1.526	.7378	54.67	.1430	3157.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2436	.8311	.5932	2.781	143.9	537.1
Stddev	.1061	.0945	1.132	.444	3.7	36.5
%RSD	43.55	11.37	190.9	15.96	2.540	6.801

#1	.3318	.9305	1.901	3.139	144.8	494.9
#2	.1259	.7424	-.0718	2.285	146.9	557.2
#3	.2733	.8203	-.0491	2.919	139.8	559.1

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

Sample Name: 460-111532-H-7-E@5 Acquired: 4/9/2016 18:41:10 Type: Unk

Method: BC04012016_P(v12) 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	714.4	428.3	F 258400.	1.500	4.841	-1.181
Stddev	10.1	1.2	2149.	.259	.835	2.181
%RSD	1.413	.2798	.8318	17.26	17.24	184.8

#1	722.2	429.5	260800.	1.222	5.723	-2.671
#2	717.9	427.1	257300.	1.735	4.063	1.323
#3	703.0	428.2	256900.	1.541	4.737	-2.193

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.120	4.982	.9786	6.908	18.50	-.5375
Stddev	1.917	3.119	.2335	.129	.39	.0704
%RSD	171.1	62.60	23.86	1.870	2.114	13.11

#1	3.323	4.144	.8181	7.056	18.83	-.6055
#2	.2088	2.368	1.246	6.817	18.07	-.5421
#3	-.1708	8.434	.8712	6.851	18.59	-.4648

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

Sample Name: 460-111532-H-7-E@5 Acquired: 4/9/2016 18:41:10 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9565	13.01	3.991	310.7
Stddev	.4070	.14	.247	13.6
%RSD	42.55	1.103	6.193	4.372

#1	1.136	13.12	4.211	296.8
#2	.4906	12.84	3.723	323.9
#3	1.242	13.06	4.040	311.4

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	8725.7	56658.	10219.
Stddev	12.5	440.	92.
%RSD	.14357	.77602	.90090

#1	8718.8	56245.	10231.
#2	8740.2	57120.	10304.
#3	8718.2	56607.	10121.

Sample Name: 460-111532-H-8-E@5 Acquired: 4/9/2016 18:45:03 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	493.5	1.808	-.0232	78.03	.2294	3713.
Stddev	10.8	.676	.6331	.27	.1557	13.
%RSD	2.196	37.39	2725.	.3469	67.87	.3620
#1	504.1	1.951	.5428	78.16	.3966	3717.
#2	482.5	2.402	-.7069	78.21	.0885	3698.
#3	494.0	1.073	.0944	77.72	.2031	3724.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3350	5.440	1.486	3.151	598.7	652.7
Stddev	.0554	.096	.509	.181	6.1	55.2
%RSD	16.54	1.764	34.23	5.739	1.022	8.451
#1	.3610	5.390	1.164	3.333	604.2	624.6
#2	.2713	5.550	1.222	3.150	599.8	617.2
#3	.3725	5.379	2.073	2.971	592.2	716.2

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

Sample Name: 460-111532-H-8-E@5 Acquired: 4/9/2016 18:45:03 Type: Unk

Method: BC04012016_P(v12) 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	792.8	952.8	F 256200.	2.639	188.8	-2.034
Stddev	2.9	2.1	1857.	.381	1.8	.526
%RSD	.3677	.2192	.7249	14.42	.9295	25.89

#1	790.2	952.1	258200.	2.819	187.4	-2.094
#2	796.0	951.1	255700.	2.202	190.8	-1.479
#3	792.3	955.1	254600.	2.897	188.1	-2.527

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.267	.7706	2.565	10.71	18.84	-.9550
Stddev	1.953	2.591	.453	.05	.32	.4060
%RSD	59.78	336.2	17.67	.5014	1.708	42.51

#1	3.783	-2.192	2.863	10.70	18.70	-.8561
#2	4.909	1.893	2.788	10.67	19.21	-1.401
#3	1.107	2.611	2.044	10.77	18.61	-.6076

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

Sample Name: 460-111532-H-8-E@5 Acquired: 4/9/2016 18:45:03 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0953	18.25	10.86	705.9
Stddev	.4921	.21	.12	19.4
%RSD	516.2	1.158	1.099	2.749

#1	-.2633	18.14	10.80	700.0
#2	.6563	18.49	10.79	727.6
#3	-.1070	18.12	11.00	690.1

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	8647.5	56021.	10257.
Stddev	8.2	432.	62.
%RSD	.09484	.77077	.60491

#1	8640.9	55872.	10273.
#2	8656.7	56508.	10309.
#3	8644.8	55684.	10188.

Sample Name: 460-111532-H-9-D@5 Acquired: 4/9/2016 18:48:55 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	156.2	2.532	.2875	76.48	.1493	3260.
Stddev	3.7	1.833	.1410	.35	.1659	8.
%RSD	2.342	72.39	49.04	.4539	111.1	.2404

#1	152.3	.4300	.4415	76.34	.3046	3251.
#2	159.6	3.798	.2565	76.87	-.0255	3261.
#3	156.6	3.369	.1646	76.22	.1689	3267.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2954	6.247	.7461	2.441	95.18	479.0
Stddev	.1354	.171	.5041	.118	1.02	12.6
%RSD	45.84	2.731	67.57	4.823	1.069	2.620

#1	.2290	6.222	1.322	2.375	94.51	470.0
#2	.4513	6.091	.5336	2.576	94.67	493.3
#3	.2060	6.429	.3830	2.371	96.35	473.5

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

Sample Name: 460-111532-H-9-D@5 Acquired: 4/9/2016 18:48:55 Type: Unk

Method: BC04012016_P(v12) 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	800.6	786.2	F 270500.	1.781	14.20	-.4073
Stddev	7.5	.5	1791.	.219	.08	.4704
%RSD	.9312	.0689	.6623	12.28	.5783	115.5

#1	792.1	786.1	272200.	1.724	14.20	-.8511
#2	806.3	786.8	270500.	2.023	14.29	-.4566
#3	803.3	785.7	268600.	1.597	14.12	.0858

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.770	2.855	1.472	8.364	15.25	-.8452
Stddev	3.220	1.219	.344	.066	.08	.1899
%RSD	116.2	42.69	23.38	.7893	.5293	22.47

#1	5.801	4.243	1.147	8.320	15.27	-.6602
#2	-.6101	1.959	1.833	8.440	15.16	-1.040
#3	3.118	2.363	1.438	8.333	15.31	-.8356

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

Sample Name: 460-111532-H-9-D@5 Acquired: 4/9/2016 18:48:55 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2495	17.28	.8785	276.8
Stddev	.7979	.17	.0852	17.0
%RSD	319.9	1.012	9.704	6.124

#1	.2493	17.09	.8178	280.8
#2	-.5484	17.44	.9760	291.4
#3	1.047	17.30	.8418	258.2

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	8651.2	55936.	10232.
Stddev	8.8	210.	43.
%RSD	.10214	.37587	.41674

#1	8645.5	55809.	10208.
#2	8646.6	55820.	10207.
#3	8661.3	56179.	10281.

Sample Name: 460-111532-H-10-E@5 Acquired: 4/9/2016 18:52:48 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	118.6	2.660	.4465	80.76	.3190	3182.
Stddev	4.2	.912	.2845	.45	.0609	7.
%RSD	3.550	34.30	63.73	.5621	19.08	.2354

#1	113.8	1.810	.6511	81.14	.3452	3190.
#2	120.3	3.624	.5667	80.88	.3624	3183.
#3	121.8	2.546	.1216	80.26	.2494	3175.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2567	4.074	.2298	2.283	52.88	560.8
Stddev	.0616	.186	.5003	.399	11.19	44.7
%RSD	24.01	4.565	217.7	17.49	21.15	7.971

#1	.3065	4.040	-.1681	2.536	65.00	512.2
#2	.2757	4.274	.0661	2.490	42.95	570.3
#3	.1878	3.907	.7915	1.823	50.70	600.0

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

Sample Name: 460-111532-H-10-E@5 Acquired: 4/9/2016 18:52:48 Type: Unk

Method: BC04012016_P(v12) 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	712.9	1507.	F 274600.	2.004	3.035	-1.009
Stddev	10.1	7.	1374.	.394	.441	2.996
%RSD	1.414	.4470	.5002	19.64	14.53	296.9

#1	717.1	1513.	276200.	1.585	2.598	-3.976
#2	720.2	1508.	274000.	2.063	3.479	2.016
#3	701.4	1500.	273700.	2.366	3.027	-1.068

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.157	4.557	2.761	7.087	14.56	-.7714
Stddev	.239	3.016	.148	.086	.26	.1306
%RSD	4.637	66.18	5.370	1.213	1.786	16.93

#1	4.895	7.412	2.635	7.009	14.86	-.6208
#2	5.214	4.857	2.723	7.074	14.42	-.8414
#3	5.363	1.402	2.924	7.179	14.41	-.8521

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

Sample Name: 460-111532-H-10-E@5 Acquired: 4/9/2016 18:52:48 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4310	16.45	.7323	279.1
Stddev	.2524	.12	.1608	10.3
%RSD	58.55	.7345	21.95	3.675

#1	.1421	16.39	.5992	286.6
#2	.6088	16.38	.9109	283.4
#3	.5421	16.59	.6867	267.4

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	8656.3	56368.	10464.
Stddev	20.1	167.	73.
%RSD	.23166	.29573	.69516

#1	8666.7	56196.	10530.
#2	8669.1	56380.	10477.
#3	8633.2	56529.	10386.

Sample Name: 460-111634-G-1-B@5 Acquired: 4/9/2016 18:56:40 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.718	-6193	.1780	20.58	.0286	28430.
Stddev	2.567	2.878	.5768	.43	.1477	139.
%RSD	44.90	464.7	324.0	2.075	516.6	.4888

#1	8.378	-2.079	.3527	20.42	-.0338	28300.
#2	5.521	-2.475	-.4660	20.25	.1973	28570.
#3	3.255	2.696	.6472	21.06	-.0776	28420.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0408	.2245	.4267	2.780	1.216	962.0
Stddev	.0161	.1003	.3823	.186	7.496	16.8
%RSD	39.49	44.68	89.59	6.674	616.2	1.743

#1	.0372	.3331	.6113	2.955	2.105	959.7
#2	.0584	.1352	.6816	2.585	8.228	979.8
#3	.0268	.2053	-.0129	2.798	-6.684	946.5

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

Sample Name: 460-111634-G-1-B@5 Acquired: 4/9/2016 18:56:40 Type: Unk

Method: BC04012016_P(v12) 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	8324.	43.01	25310.	.9315	-.4550	-.5564
Stddev	56.	2.38	106.	.5475	.7523	1.617
%RSD	.6758	5.531	.4182	58.78	165.3	290.7

#1	8262.	45.75	25220.	1.133	.3724	-1.366
#2	8371.	41.49	25290.	.3117	-.6395	-1.609
#3	8339.	41.78	25430.	1.349	-1.098	1.306

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	2.675	2.257	.3022	.6307	52.09	-.1776
Stddev	1.287	1.630	.2012	.0926	.04	.1589
%RSD	48.11	72.22	66.58	14.68	.0859	89.47

#1	2.140	.3932	.4244	.6382	52.06	.0017
#2	4.143	3.416	.4121	.7193	52.15	-.3008
#3	1.742	2.962	.0700	.5346	52.07	-.2335

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

Sample Name: 460-111634-G-1-B@5 Acquired: 4/9/2016 18:56:40 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5279	135.5	.2456	1693.
Stddev	.5927	.4	.1381	16.
%RSD	112.3	.3192	56.23	.9528

#1	-.8538	135.3	.1355	1704.
#2	.1562	136.0	.2008	1700.
#3	-.8862	135.3	.4006	1674.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8819.5	57489.	10308.
Stddev	47.4	180.	161.
%RSD	.53753	.31250	1.5629

#1	8827.4	57475.	10468.
#2	8768.6	57317.	10310.
#3	8862.4	57675.	10146.

Sample Name: 460-111634-G-2-B@5 Acquired: 4/9/2016 19:00:32 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.15	.8441	.0236	93.74	.0141	167200.
Stddev	3.60	1.031	.4139	.54	.0276	669.
%RSD	25.42	122.1	1751.	.5809	196.4	.4002

#1	18.25	1.047	.0901	94.27	.0262	166600.
#2	11.50	-.2728	-.4194	93.77	.0336	166900.
#3	12.71	1.758	.4003	93.18	-.0176	167900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1472	-.2562	380.2	2.359	-4.654	F 188700.
Stddev	.0681	.1715	1.3	.174	5.139	119.
%RSD	46.28	66.93	.3509	7.367	110.4	.0629

#1	.1096	-.3266	378.9	2.241	-7.686	188600.
#2	.1061	-.0607	380.2	2.559	-7.556	188800.
#3	.2258	-.3813	381.6	2.278	1.280	188700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						100000.
Low Limit						-5000.

Sample Name: 460-111634-G-2-B@5 Acquired: 4/9/2016 19:00:32 Type: Unk

Method: BC04012016_P(v12) 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	7.158	.0315	108100.	.0828	1.895	-.0214
Stddev	6.368	.0477	290.	.2250	1.041	1.135
%RSD	88.97	151.3	.2683	271.7	54.96	5308.

#1	13.77	.0865	108400.	.0594	2.326	-.9112
#2	1.068	.0067	108100.	.3186	2.652	-.4094
#3	6.634	.0013	107900.	-.1296	.7071	1.256

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	3.857	1.521	-.2814	.2120	2.441	36.88
Stddev	2.355	1.518	.1480	.1569	.360	.15
%RSD	61.05	99.79	52.60	74.01	14.73	.4146

#1	3.665	.8203	-.1105	.3592	2.361	36.71
#2	1.604	.4801	-.3678	.0470	2.128	37.00
#3	6.302	3.263	-.3659	.2298	2.834	36.93

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

Sample Name: 460-111634-G-2-B@5 Acquired: 4/9/2016 19:00:32 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.509	3321.	.1230	174.5
Stddev	.315	9.	.1947	8.3
%RSD	20.85	.2586	158.3	4.738

#1	-1.758	3312.	.1370	167.7
#2	-1.156	3329.	.3103	183.7
#3	-1.614	3322.	-.0784	172.0

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	8479.9	55670.	10138.
Stddev	24.1	282.	99.
%RSD	.28466	.50714	.97857

#1	8463.0	55665.	10056.
#2	8507.6	55954.	10249.
#3	8469.2	55390.	10110.

Sample Name: CCV Acquired: 4/9/2016 19:04:25 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122300.	2419.	1197.	9925.	985.5	119600.
Stddev	114.	1.	1.	28.	.4	391.
%RSD	.0930	.0373	.0712	.2783	.0406	.3268

#1	122300.	2420.	1197.	9945.	985.5	119500.
#2	122400.	2418.	1197.	9936.	985.8	120000.
#3	122200.	2419.	1196.	9893.	985.0	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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1218.	2426.	4844.	12010.	96710.	48960.
Stddev	2.	6.	12.	14.	280.	84.
%RSD	.1508	.2564	.2535	.1198	.2897	.1714

#1	1219.	2430.	4847.	12010.	96640.	48890.
#2	1219.	2429.	4854.	12020.	97020.	49050.
#3	1216.	2419.	4830.	11990.	96480.	48930.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/9/2016 19:04:25 Type: QC
Method: BC04012016_P(v12) 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	120200.	4956.	122900.	2462.	7296.	967.8
Stddev	364.	13.	355.	8.	17.	2.8
%RSD	.3025	.2653	.2887	.3439	.2377	.2900

#1	120100.	4953.	123300.	2462.	7304.	965.3
#2	120600.	4970.	122900.	2470.	7308.	970.8
#3	119900.	4945.	122600.	2453.	7276.	967.3

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	2391.	2451.	2420.	2446.	953.9	2369.
Stddev	4.	13.	6.	2.	4.0	6.
%RSD	.1852	.5414	.2658	.0769	.4219	.2495

#1	2386.	2449.	2422.	2446.	954.0	2374.
#2	2393.	2465.	2426.	2448.	957.9	2371.
#3	2395.	2439.	2413.	2444.	949.8	2362.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/9/2016 19:04:25 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	962.1	4939.	9837.	9714.
Stddev	4.9	6.	17.	45.
%RSD	.5073	.1195	.1762	.4652

#1	962.2	4938.	9842.	9764.
#2	966.9	4933.	9851.	9678.
#3	957.2	4945.	9817.	9698.

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	8384.3	54810.	10107.
Stddev	39.0	297.	122.
%RSD	.46551	.54174	1.2075

#1	8351.3	54702.	10129.
#2	8374.3	54583.	9975.5
#3	8427.4	55146.	10217.

Sample Name: CCB Acquired: 4/9/2016 19:07:54 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54.04	.0105	-.2279	.5924	.5783	26.64
Stddev	67.59	1.786	.5060	.6682	.6816	6.69
%RSD	125.1	16960.	222.0	112.8	117.9	25.12
#1	123.5	1.883	-.3010	.2044	1.256	28.81
#2	50.07	-1.673	-.6934	.2087	.5859	19.13
#3	-11.48	-.1783	.3106	1.364	-.1070	31.97

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1402	-.0429	-.0479	1.118	6.344	75.14
Stddev	.1926	.0804	.2643	.312	4.079	64.11
%RSD	137.4	187.3	551.5	27.90	64.30	85.31
#1	.2492	.0053	-.1825	1.393	9.949	148.0
#2	-.0822	.0017	.2565	1.182	7.168	50.23
#3	.2535	-.1357	-.2178	.7792	1.916	27.23

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

Sample Name: CCB Acquired: 4/9/2016 19:07:54 Type: QC
Method: BC04012016_P(v12) 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	7.865	.2474	180.3	.1472	1.933	-2.335
Stddev	.870	.0720	90.1	.3646	.872	.125
%RSD	11.06	29.10	49.95	247.7	45.12	5.355

#1	8.151	.3240	273.6	.3279	2.682	-2.412
#2	8.557	.1812	173.6	-.2725	2.143	-2.401
#3	6.888	.2370	93.81	.3862	.9753	-2.190

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	3.034	3.504	-.0097	.3868	1.780	.9252
Stddev	1.659	2.062	.2997	.2131	.493	.2067
%RSD	54.70	58.84	3081.	55.10	27.69	22.34

#1	4.597	3.853	-.3516	.2928	2.075	.9577
#2	1.292	5.369	.1148	.2368	2.053	.7042
#3	3.213	1.290	.2076	.6308	1.211	1.114

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

Sample Name: CCB Acquired: 4/9/2016 19:07:54 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4799	2.708	.8208	8.706
Stddev	.4316	2.525	.1004	12.76
%RSD	89.93	93.27	12.23	146.6

#1	.1073	5.200	.7056	18.30
#2	.9529	2.772	.8668	13.60
#3	.3797	.1506	.8899	-5.780

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	8921.4	57802.	10298.
Stddev	6.3	550.	23.
%RSD	.07054	.95226	.22389

#1	8915.3	57331.	10271.
#2	8927.9	57668.	10308.
#3	8921.1	58407.	10314.

Sample Name: CCVL Acquired: 4/9/2016 19:11:48 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	204.9	13.41	9.630	206.9	1.967	4925.
Stddev	4.0	2.81	.227	.8	.059	34.
%RSD	1.953	20.93	2.354	.4044	2.999	.6880

#1	201.6	15.06	9.453	206.7	1.939	4928.
#2	209.3	15.01	9.551	207.8	1.927	4958.
#3	203.8	10.17	9.886	206.2	2.035	4890.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.162	51.72	10.37	24.68	156.9	4958.
Stddev	.073	.31	.17	.19	4.7	27.
%RSD	1.757	.5945	1.683	.7615	3.024	.5377

#1	4.078	51.38	10.31	24.50	159.5	4939.
#2	4.211	51.98	10.56	24.87	159.7	4988.
#3	4.198	51.81	10.22	24.67	151.4	4946.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/9/2016 19:11:48 Type: QC
Method: BC04012016_P(v12) 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	4821.	15.96	5121.	41.59	11.40	17.23
Stddev	55.	.23	10.	.27	.25	1.13
%RSD	1.144	1.430	.1925	.6411	2.166	6.563

#1	4768.	15.70	5114.	41.51	11.50	16.21
#2	4878.	16.12	5132.	41.89	11.59	17.03
#3	4817.	16.06	5118.	41.38	11.12	18.45

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	19.84	23.26	50.51	31.10	48.12	18.68
Stddev	.77	1.52	.43	.10	.26	.30
%RSD	3.875	6.544	.8529	.3304	.5315	1.607

#1	19.58	23.84	50.05	31.00	48.20	18.36
#2	20.70	24.41	50.91	31.20	47.84	18.95
#3	19.23	21.54	50.58	31.10	48.33	18.73

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/9/2016 19:11:48 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	48.80	21.01	20.07	F 3.895
Stddev	.90	.23	.42	11.11
%RSD	1.835	1.092	2.085	285.3

#1	49.82	20.75	19.60	13.12
#2	48.13	21.19	20.21	-8.440
#3	48.44	21.10	20.40	7.009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8967.9	58556.	10275.
Stddev	24.9	555.	65.
%RSD	.27725	.94829	.63234

#1	8980.7	58759.	10299.
#2	8939.3	57928.	10201.
#3	8983.8	58982.	10324.

Sample Name: 460-111634-G-3-B@5 Acquired: 4/9/2016 19:15:39 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.10	-1.520	.1390	79.55	.0645	98770.
Stddev	11.83	1.428	.6858	.33	.0935	65.
%RSD	97.78	94.00	493.4	.4112	145.0	.0660

#1	15.95	-3.132	.8795	79.77	.0294	98760.
#2	-1.176	-4.139	-.4742	79.72	.1704	98710.
#3	21.52	-1.013	.0117	79.18	-.0064	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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1014	-.1686	150.6	1.952	2.988	76780.
Stddev	.0583	.3935	.5	.256	2.307	357.
%RSD	57.53	233.4	.3515	13.11	77.19	.4647

#1	.1248	-.6227	150.5	1.854	5.375	76570.
#2	.0350	.0447	150.1	2.243	2.819	76580.
#3	.1444	.0722	151.1	1.760	.7707	77190.

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

Sample Name: 460-111634-G-3-B@5 Acquired: 4/9/2016 19:15:39 Type: Unk

Method: BC04012016_P(v12) 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	23.61	.0113	46550.	.1096	1.040	-1.536
Stddev	4.77	.0988	121.	.5712	1.374	.728
%RSD	20.22	871.8	.2592	521.2	132.1	47.37

#1	18.39	.1241	46570.	.2559	.7875	-2.365
#2	24.69	-.0303	46430.	.5933	-.1900	-1.237
#3	27.76	-.0598	46670.	-.5205	2.523	-1.005

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	2.524	2.611	.2898	.0325	44.34	14.56
Stddev	4.223	1.901	.1525	.0142	.11	.23
%RSD	167.3	72.81	52.61	43.54	.2454	1.612

#1	6.972	4.789	.3337	.0235	44.40	14.54
#2	-1.431	1.761	.1202	.0489	44.41	14.80
#3	2.031	1.283	.4155	.0252	44.22	14.33

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

Sample Name: 460-111634-G-3-B@5 Acquired: 4/9/2016 19:15:39 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4007	1676.	.7631	890.8
Stddev	.6878	4.	.0714	15.4
%RSD	171.6	.2380	9.358	1.733

#1	-1.191	1675.	.8160	898.4
#2	-.0730	1672.	.6819	873.1
#3	.0619	1680.	.7915	901.0

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	8638.6	56500.	10167.
Stddev	21.9	293.	164.
%RSD	.25293	.51776	1.6157

#1	8615.2	56254.	10174.
#2	8642.3	56824.	10328.
#3	8658.4	56423.	9999.9

Sample Name: 460-111634-E-4-B@5 Acquired: 4/9/2016 19:19:31 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	200.3	1.063	-.1628	35.73	-.0037	27510.
Stddev	16.3	.766	.5290	.43	.0607	34.
%RSD	8.155	72.07	324.9	1.209	1656.	.1254

#1	201.0	1.893	-.7287	36.03	-.0728	27540.
#2	216.3	.9157	-.0790	35.93	.0409	27480.
#3	183.6	.3815	.3193	35.24	.0210	27500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3112	6.734	.8161	6.669	189.8	1179.
Stddev	.1354	.186	.2240	.357	7.1	54.
%RSD	43.50	2.769	27.44	5.350	3.753	4.586

#1	.2049	6.897	.6988	6.260	182.2	1241.
#2	.2651	6.530	.6751	6.913	196.4	1154.
#3	.4636	6.773	1.074	6.835	190.9	1142.

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

Sample Name: 460-111634-E-4-B@5 Acquired: 4/9/2016 19:19:31 Type: Unk

Method: BC04012016_P(v12) 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	2452.	480.0	F 300600.	7.909	5.320	-3.362
Stddev	24.	.8	5782.	.236	.601	1.489
%RSD	.9908	.1728	1.923	2.979	11.29	44.29

#1	2426.	480.9	307200.	7.980	5.087	-1.717
#2	2474.	479.7	298500.	8.100	6.002	-4.619
#3	2456.	479.4	296300.	7.646	4.871	-3.750

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.729	1.456	1.537	12.46	37.60	-.7769
Stddev	2.116	3.509	.240	.20	.24	.0969
%RSD	77.54	240.9	15.61	1.641	.6377	12.47

#1	.6440	5.413	1.810	12.47	37.52	-.8785
#2	4.874	-1.277	1.446	12.66	37.87	-.6855
#3	2.668	.2322	1.357	12.25	37.42	-.7668

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

Sample Name: 460-111634-E-4-B@5 Acquired: 4/9/2016 19:19:31 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4004	91.17	8.419	1118.
Stddev	.6472	1.21	.241	25.
%RSD	161.6	1.326	2.863	2.281

#1	.8722	92.24	8.356	1100.
#2	.6665	91.42	8.685	1147.
#3	-.3374	89.86	8.215	1106.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8640.2	55936.	10192.
Stddev	9.8	261.	36.
%RSD	.11362	.46735	.35703

#1	8630.2	55644.	10196.
#2	8649.8	56149.	10226.
#3	8640.6	56015.	10154.

Sample Name: 460-111634-E-5-B@5 Acquired: 4/9/2016 19:23:28 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	207.7	1.168	.4140	23.60	.0112	11660.
Stddev	14.2	1.616	.2920	.14	.0537	93.
%RSD	6.824	138.3	70.53	.5892	479.1	.7935

#1	194.9	3.030	.7076	23.46	.0091	11660.
#2	222.9	.3552	.1236	23.74	-.0414	11560.
#3	205.4	.1204	.4110	23.60	.0660	11750.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1212	10.71	.5922	4.553	294.5	616.7
Stddev	.1289	.09	.3603	.316	6.3	45.8
%RSD	106.4	.8536	60.85	6.930	2.126	7.422

#1	.2562	10.72	.9103	4.545	292.0	564.2
#2	-.0005	10.61	.6653	4.872	289.9	648.3
#3	.1078	10.79	.2009	4.241	301.6	637.6

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

Sample Name: 460-111634-E-5-B@5 Acquired: 4/9/2016 19:23:28 Type: Unk

Method: BC04012016_P(v12) 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	2143.	541.3	F 256400.	5.083	4.279	-1.269
Stddev	26.	1.3	1570.	.642	.922	.808
%RSD	1.209	.2489	.6124	12.63	21.56	63.63

#1	2140.	540.1	258200.	5.756	3.252	-.7744
#2	2120.	541.1	255900.	5.017	4.546	-.8322
#3	2171.	542.7	255100.	4.477	5.038	-2.202

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6922	2.015	1.702	5.669	20.06	-.7741
Stddev	4.081	.621	.121	.054	.68	.1695
%RSD	589.6	30.84	7.122	.9501	3.383	21.90

#1	-1.680	2.717	1.618	5.644	20.17	-.9484
#2	-1.648	1.791	1.646	5.731	19.34	-.6098
#3	5.405	1.536	1.841	5.632	20.68	-.7641

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

Sample Name: 460-111634-E-5-B@5 Acquired: 4/9/2016 19:23:28 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1424	29.42	9.773	960.0
Stddev	.4502	.19	.350	17.1
%RSD	316.1	.6586	3.584	1.779

#1	.2655	29.30	9.550	976.1
#2	.5183	29.32	9.593	942.1
#3	-.3565	29.64	10.18	961.8

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	8637.4	56307.	10202.
Stddev	40.1	550.	136.
%RSD	.46412	.97719	1.3312

#1	8633.1	56487.	10332.
#2	8679.4	56745.	10213.
#3	8599.6	55690.	10061.

Sample Name: 460-111634-E-6-B@5 Acquired: 4/9/2016 19:27:20 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	809.0	1.140	-.3609	18.40	.0985	26350.
Stddev	14.8	1.134	.3169	.20	.0710	134.
%RSD	1.829	99.54	87.80	1.071	72.06	.5090

#1	792.1	2.396	-.0687	18.28	.1186	26210.
#2	820.0	.8314	-.6977	18.30	.0197	26470.
#3	814.8	.1912	-.3164	18.63	.1574	26360.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0857	3.302	2.105	4.702	2135.	358.5
Stddev	.0603	.350	.140	.473	22.	38.3
%RSD	70.33	10.59	6.662	10.05	1.036	10.67

#1	.0600	3.242	2.176	4.259	2110.	314.3
#2	.0425	3.677	2.196	4.650	2150.	382.2
#3	.1545	2.985	1.943	5.199	2146.	378.9

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

Sample Name: 460-111634-E-6-B@5 Acquired: 4/9/2016 19:27:20 Type: Unk

Method: BC04012016_P(v12) 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	2599.	522.9	F 268100.	4.572	3.935	-.9959
Stddev	43.	1.2	1309.	.322	.351	.9233
%RSD	1.663	.2348	.4884	7.042	8.925	92.71

#1	2549.	521.5	269500.	4.848	3.532	-1.827
#2	2626.	523.6	267700.	4.218	4.178	-.0018
#3	2621.	523.7	267000.	4.649	4.094	-1.159

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.371	2.699	3.217	15.85	34.93	-.7169
Stddev	2.634	.847	.332	.15	.46	.2900
%RSD	192.1	31.36	10.32	.9357	1.331	40.45

#1	4.412	2.339	3.045	15.70	34.45	-.6197
#2	-.1915	2.093	3.600	16.00	35.38	-.4879
#3	-.1078	3.667	3.006	15.84	34.97	-1.043

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

Sample Name: 460-111634-E-6-B@5 Acquired: 4/9/2016 19:27:20 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7616	28.99	42.99	2127.
Stddev	.1942	.53	.82	46.
%RSD	25.49	1.842	1.908	2.151

#1	.7042	28.46	42.05	2108.
#2	.6026	28.98	43.57	2094.
#3	.9780	29.52	43.35	2179.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8634.4	56448.	10150.
Stddev	14.6	336.	85.
%RSD	.16857	.59536	.83948

#1	8651.2	56703.	10243.
#2	8626.8	56067.	10131.
#3	8625.3	56574.	10076.

Sample Name: 460-111637-K-1-C@5 Acquired: 4/9/2016 19:31:10 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64.27	1.513	.5137	143.9	.1918	48020.
Stddev	4.50	.369	.8040	.2	.0504	464.
%RSD	6.998	24.42	156.5	.1052	26.29	.9671

#1	62.72	1.130	-.3732	144.0	.1901	47790.
#2	60.76	1.867	.7192	143.7	.2431	48560.
#3	69.34	1.541	1.195	143.9	.1422	47720.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.349	7.947	.8106	5.209	23.66	1227.
Stddev	.068	.109	.1257	.075	6.11	47.
%RSD	2.905	1.365	15.51	1.432	25.83	3.836

#1	2.339	7.881	.9512	5.291	29.95	1173.
#2	2.422	8.072	.7090	5.189	23.30	1261.
#3	2.286	7.888	.7714	5.145	17.74	1245.

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

Sample Name: 460-111637-K-1-C@5 Acquired: 4/9/2016 19:31:10 Type: Unk

Method: BC04012016_P(v12) 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	5069.	1677.	F 286800.	10.50	935.6	2.052
Stddev	81.	10.	1641.	1.08	5.1	.589
%RSD	1.590	.6246	.5723	10.26	.5448	28.69

#1	5052.	1672.	288500.	9.611	932.8	2.712
#2	5156.	1689.	286600.	11.70	941.4	1.578
#3	4997.	1670.	285300.	10.18	932.4	1.868

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {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	2.663	3.171	25.10	20.90	-.8624
Stddev	1.828	1.942	.410	.26	.34	.3428
%RSD	118.1	72.91	12.93	1.028	1.612	39.75

#1	2.543	2.339	3.102	25.32	20.78	-.7740
#2	-.5624	.9039	2.799	25.15	20.64	-1.241
#3	2.661	4.747	3.611	24.82	21.28	-.5724

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

Sample Name: 460-111637-K-1-C@5 Acquired: 4/9/2016 19:31:10 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0781	107.0	.7356	1805.
Stddev	.5571	.9	.2158	12.
%RSD	713.5	.8127	29.33	.6802

#1	.5385	106.2	.5112	1817.
#2	-.5454	107.9	.9415	1806.
#3	-.2273	106.9	.7541	1793.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8552.2	55595.	10033.
Stddev	58.8	699.	211.
%RSD	.68720	1.2581	2.1034

#1	8544.7	55740.	10206.
#2	8497.5	54834.	9798.0
#3	8614.3	56210.	10097.

Sample Name: 460-111630-D-1-B@5 Acquired: 4/9/2016 19:34:59 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	98.46	1.279	-.0067	55.17	.0608	3580.
Stddev	1.20	1.382	.4372	.24	.0468	35.
%RSD	1.218	108.1	6504.	.4339	76.93	.9891
#1	98.85	2.176	.4698	55.03	.0697	3610.
#2	97.11	-.3131	-.1005	55.03	.0102	3589.
#3	99.41	1.974	-.3894	55.45	.1026	3541.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2513	1.338	.7580	4.479	110.7	472.7
Stddev	.0153	.149	.1761	.489	6.0	34.0
%RSD	6.101	11.16	23.23	10.92	5.465	7.193
#1	.2336	1.493	.9319	4.384	113.1	434.6
#2	.2598	1.325	.5799	4.045	115.1	500.1
#3	.2605	1.195	.7622	5.009	103.8	483.3

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

Sample Name: 460-111630-D-1-B@5 Acquired: 4/9/2016 19:34:59 Type: Unk

Method: BC04012016_P(v12) 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	723.6	158.7	F 256800.	4.621	4.411	-1.831
Stddev	14.2	1.1	2334.	.355	.807	1.617
%RSD	1.965	.6769	.9088	7.689	18.29	88.34

#1	707.6	157.5	259500.	5.031	3.511	-1.435
#2	734.9	159.6	255200.	4.404	4.654	-.4477
#3	728.2	159.0	255700.	4.428	5.069	-3.609

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.059	2.999	.8147	13.17	106.0	-1.019
Stddev	.261	1.486	.3962	.19	.9	.117
%RSD	24.67	49.57	48.63	1.421	.8054	11.44

#1	1.173	3.557	.6862	13.39	106.6	-.9398
#2	1.244	1.314	1.259	13.09	106.4	-1.153
#3	.7602	4.126	.4986	13.04	105.0	-.9648

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

Sample Name: 460-111630-D-1-B@5 Acquired: 4/9/2016 19:34:59 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1371	36.60	1.695	298.6
Stddev	.4580	.27	.106	3.7
%RSD	334.1	.7289	6.245	1.237

#1	-.3394	36.31	1.574	299.0
#2	.1766	36.83	1.737	302.1
#3	.5741	36.66	1.773	294.7

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	8671.8	56517.	10164.
Stddev	25.0	534.	116.
%RSD	.28848	.94424	1.1428

#1	8653.2	55951.	10036.
#2	8662.0	56592.	10263.
#3	8700.3	57010.	10191.

Sample Name: 460-111573-A-1-H@5 Acquired: 4/9/2016 19:38:51 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	71.16	.3567	-.2798	34.73	.0065	3865.
Stddev	6.82	.9056	.1905	.13	.0815	24.
%RSD	9.578	253.9	68.09	.3813	1257.	.6090
#1	69.66	-.3819	-.4818	34.88	.0936	3841.
#2	65.22	1.367	-.1032	34.65	-.0680	3888.
#3	78.60	.0850	-.2545	34.65	-.0061	3867.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2006	.0811	-.1999	2.558	36.37	428.4
Stddev	.0185	.1016	.4779	.165	7.02	16.0
%RSD	9.225	125.3	239.1	6.457	19.29	3.733
#1	.2216	-.0359	-.7448	2.690	28.35	410.0
#2	.1935	.1477	.1479	2.373	39.37	437.6
#3	.1866	.1314	-.0028	2.611	41.39	437.7

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

Sample Name: 460-111573-A-1-H@5 Acquired: 4/9/2016 19:38:51 Type: Unk

Method: BC04012016_P(v12) 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	477.9	16.82	F 287600.	.7598	1.430	-1.434
Stddev	4.0	.24	2533.	.5253	.692	1.351
%RSD	.8462	1.429	.8806	69.14	48.36	94.20

#1	473.3	16.67	290400.	1.016	1.577	-2.547
#2	480.1	16.70	286800.	1.108	2.037	-1.824
#3	480.4	17.10	285600.	.1556	.6768	.0689

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	-4.839	.3217	.4599	6.359	25.36	-.9711
Stddev	2.376	2.449	.2225	.043	.42	.2638
%RSD	491.0	761.3	48.38	.6761	1.654	27.16

#1	-2.021	2.129	.7164	6.374	24.90	-.7013
#2	2.253	-2.466	.3432	6.311	25.72	-1.228
#3	-1.684	1.302	.3200	6.394	25.45	-.9835

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

Sample Name: 460-111573-A-1-H@5 Acquired: 4/9/2016 19:38:51 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1742	26.16	.2764	255.7
Stddev	.3554	.04	.3024	10.2
%RSD	204.0	.1583	109.4	4.004

#1	-.2202	26.20	.0267	263.4
#2	-.5042	26.12	.1898	259.6
#3	.2020	26.16	.6126	244.1

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	8627.5	56279.	10035.
Stddev	13.8	310.	101.
%RSD	.15998	.55121	1.0054

#1	8643.3	56210.	9971.4
#2	8621.7	56008.	9982.2
#3	8617.6	56617.	10151.

Sample Name: 460-111614-B-2-B@5 Acquired: 4/9/2016 19:42:44 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	159.2	3.424	-.0990	56.01	.4074	2753.
Stddev	6.8	1.104	.3431	.29	.0612	12.
%RSD	4.246	32.25	346.6	.5249	15.02	.4330

#1	158.8	2.153	.2241	56.27	.4028	2763.
#2	152.6	4.150	-.0619	56.08	.4707	2756.
#3	166.1	3.969	-.4591	55.69	.3486	2740.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3719	5.023	1.052	6.461	1622.	620.0
Stddev	.1456	.304	.400	.456	14.	45.8
%RSD	39.14	6.059	37.98	7.057	.8496	7.393

#1	.3265	5.285	1.331	6.654	1619.	570.4
#2	.5348	4.689	1.230	6.788	1637.	660.8
#3	.2545	5.095	.5942	5.940	1610.	628.9

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

Sample Name: 460-111614-B-2-B@5 Acquired: 4/9/2016 19:42:44 Type: Unk

Method: BC04012016_P(v12) 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	247.6	186.2	F 290700.	5.269	42.01	-1.475
Stddev	4.4	1.5	2030.	.290	2.06	.358
%RSD	1.791	.8260	.6982	5.507	4.904	24.26

#1	242.9	186.0	293000.	5.163	43.56	-1.320
#2	251.8	187.8	289300.	5.597	42.81	-1.884
#3	248.1	184.7	289700.	5.046	39.67	-1.221

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.500	2.211	.3580	22.56	35.12	-.9157
Stddev	.524	1.402	.6412	.29	.29	.0891
%RSD	20.98	63.41	179.1	1.282	.8297	9.734

#1	3.098	.9705	-.3193	22.87	35.00	-.9769
#2	2.281	1.930	.9558	22.50	35.45	-.9567
#3	2.120	3.732	.4374	22.30	34.90	-.8134

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

Sample Name: 460-111614-B-2-B@5 Acquired: 4/9/2016 19:42:44 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5363	17.52	-.6558	186.6
Stddev	.1576	.20	.1742	15.5
%RSD	29.38	1.150	26.56	8.291

#1	.3948	17.29	-.8539	172.1
#2	.7061	17.69	-.5866	184.8
#3	.5079	17.56	-.5268	202.8

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	8621.1	56106.	10087.
Stddev	18.3	63.	81.
%RSD	.21232	.11313	.80187

#1	8604.4	56095.	10078.
#2	8618.2	56174.	10172.
#3	8640.7	56049.	10011.

Sample Name: 460-111617-H-1-C@5 Acquired: 4/9/2016 19:46:36 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	239.1	1.183	.3078	24.67	.1036	4673.
Stddev	7.9	.873	.5063	.30	.0972	17.
%RSD	3.289	73.84	164.5	1.208	93.87	.3601

#1	243.3	.4949	.0738	24.97	.1361	4654.
#2	230.0	.8878	-.0391	24.66	.1804	4679.
#3	243.9	2.165	.8888	24.37	-.0057	4686.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0464	.8033	2.177	9.628	169.3	1083.
Stddev	.0581	.0780	.383	.436	1.7	38.
%RSD	125.3	9.708	17.60	4.531	1.012	3.553

#1	.1133	.7671	2.135	9.166	167.7	1046.
#2	.0094	.7501	1.816	10.03	169.2	1080.
#3	.0163	.8929	2.579	9.686	171.1	1123.

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

Sample Name: 460-111617-H-1-C@5 Acquired: 4/9/2016 19:46:36 Type: Unk

Method: BC04012016_P(v12) 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	3372.	121.0	F 273700.	1.514	78.51	-1.467
Stddev	25.	.8	1846.	.281	1.17	.820
%RSD	.7350	.6366	.6746	18.57	1.488	55.90

#1	3350.	120.4	275800.	1.297	78.33	-.7317
#2	3399.	121.9	272500.	1.415	77.45	-1.318
#3	3367.	120.7	272700.	1.832	79.76	-2.351

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	1.565	1.769	1.643	17.64	310.3	-.6228
Stddev	1.115	2.191	.115	.12	1.7	.3223
%RSD	71.27	123.8	7.013	.6800	.5376	51.74

#1	.3502	1.078	1.618	17.59	311.5	-.5277
#2	2.543	.0071	1.769	17.55	308.4	-.3589
#3	1.802	4.223	1.543	17.77	311.0	-.9820

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

Sample Name: 460-111617-H-1-C@5 Acquired: 4/9/2016 19:46:36 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0834	45.21	5.318	366.9
Stddev	.3316	.42	.238	14.5
%RSD	397.6	.9331	4.474	3.963

#1	.3636	44.87	5.127	353.3
#2	-.2827	45.68	5.585	365.2
#3	.1692	45.07	5.244	382.3

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	8609.3	55984.	10100.
Stddev	17.6	78.	22.
%RSD	.20435	.13990	.21964

#1	8594.1	56068.	10077.
#2	8605.3	55970.	10100.
#3	8628.5	55913.	10121.

Sample Name: 460-111572-A-1-K@5 Acquired: 4/9/2016 19:50:26 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1326.	3.358	.2596	35.11	.1027	6879.
Stddev	6.	1.477	.5361	.41	.0799	58.
%RSD	.4169	43.99	206.5	1.175	77.82	.8378

#1	1321.	4.778	.1098	35.59	.1603	6889.
#2	1332.	1.830	.8547	34.85	.1363	6818.
#3	1324.	3.465	-.1856	34.90	.0115	6932.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3134	.3041	6.277	6.095	3970.	3180.
Stddev	.1537	.1287	.388	.927	67.	14.
%RSD	49.05	42.32	6.181	15.20	1.694	.4356

#1	.2624	.4336	6.723	7.118	3998.	3182.
#2	.1916	.1762	6.088	5.856	4019.	3165.
#3	.4861	.3026	6.019	5.312	3893.	3192.

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

Sample Name: 460-111572-A-1-K@5 Acquired: 4/9/2016 19:50:26 Type: Unk

Method: BC04012016_P(v12) 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	1782.	23.01	F 253100.	1.137	101.3	.0424
Stddev	19.	.22	1316.	.455	.9	1.135
%RSD	1.089	.9733	.5200	40.03	.8981	2675.

#1	1803.	23.04	254600.	1.032	100.7	1.082
#2	1781.	23.21	252500.	.7434	100.8	.2131
#3	1764.	22.77	252200.	1.635	102.3	-1.168

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.032	4.439	3.506	33.06	73.03	-.6901
Stddev	3.369	2.926	.680	.01	.59	.0767
%RSD	111.1	65.92	19.40	.0359	.8127	11.11

#1	5.041	6.770	4.249	33.06	73.09	-.6803
#2	4.912	1.155	3.354	33.08	73.59	-.6188
#3	-.8582	5.392	2.915	33.06	72.41	-.7712

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

Sample Name: 460-111572-A-1-K@5 Acquired: 4/9/2016 19:50:26 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6902	58.50	13.04	4481.
Stddev	.3293	.27	.10	38.
%RSD	47.71	.4700	.7881	.8508

#1	1.001	58.19	13.02	4446.
#2	.7247	58.62	13.15	4477.
#3	.3450	58.70	12.95	4521.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8663.6	56320.	10106.
Stddev	12.3	428.	39.
%RSD	.14205	.75998	.38415

#1	8657.3	55826.	10095.
#2	8677.8	56579.	10074.
#3	8655.8	56555.	10149.

Sample Name: CCV Acquired: 4/9/2016 19:54:17 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123600.	2383.	1172.	9910.	987.1	118300.
Stddev	102.	4.	2.	5.	.7	93.
%RSD	.0828	.1520	.1613	.0476	.0692	.0789

#1	123500.	2380.	1171.	9915.	987.1	118200.
#2	123700.	2387.	1172.	9907.	987.8	118400.
#3	123700.	2381.	1174.	9907.	986.5	118400.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1215.	2415.	4744.	11700.	95550.	49920.
Stddev	1.	2.	4.	14.	156.	110.
%RSD	.1085	.0673	.0942	.1233	.1632	.2201

#1	1216.	2416.	4739.	11690.	95370.	49800.
#2	1214.	2416.	4747.	11700.	95650.	49960.
#3	1214.	2413.	4747.	11720.	95630.	50010.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/9/2016 19:54:17 Type: QC
Method: BC04012016_P(v12) 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	118400.	4882.	123700.	2453.	7249.	948.7
Stddev	261.	6.	173.	2.	3.	2.8
%RSD	.2199	.1255	.1401	.0728	.0466	.2921

#1	118200.	4876.	123900.	2455.	7248.	951.8
#2	118700.	4888.	123500.	2453.	7253.	947.9
#3	118400.	4883.	123600.	2451.	7246.	946.5

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	2363.	2449.	2384.	2461.	936.1	2360.
Stddev	7.	9.	5.	3.	1.6	1.
%RSD	.3135	.3628	.2212	.1164	.1676	.0509

#1	2355.	2444.	2379.	2464.	934.6	2362.
#2	2370.	2460.	2384.	2460.	937.8	2360.
#3	2366.	2445.	2390.	2459.	936.0	2360.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/9/2016 19:54:17 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	959.3	5015.	9640.	9595.
Stddev	4.6	6.	9.	62.
%RSD	.4782	.1213	.0976	.6474

#1	959.8	5020.	9630.	9618.
#2	963.7	5015.	9644.	9525.
#3	954.5	5008.	9647.	9642.

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	8401.5	55223.	9895.7
Stddev	12.9	104.	5.1
%RSD	.15386	.18754	.05129

#1	8386.9	55189.	9894.3
#2	8411.6	55140.	9891.5
#3	8405.9	55339.	9901.4

Sample Name: CCB Acquired: 4/9/2016 19:57:46 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.284	.6826	.0167	1.347	.0482	23.22
Stddev	16.97	.8275	.2374	2.167	.1242	9.43
%RSD	321.2	121.2	1420.	160.8	257.9	40.61

#1	18.06	-.2666	-.1607	3.848	.1303	33.69
#2	11.76	1.062	.2863	.1671	.1089	20.59
#3	-13.97	1.252	-.0754	.0269	-.0947	15.39

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2879	.4193	.0399	1.022	4.360	34.37
Stddev	.2903	.6037	.5044	.489	3.833	14.26
%RSD	100.8	144.0	1265.	47.87	87.93	41.49

#1	.6230	1.113	.6046	1.527	8.212	50.83
#2	.1176	.0121	-.3657	.9893	.5461	26.51
#3	.1230	.1329	-.1193	.5500	4.321	25.77

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

Sample Name: CCB Acquired: 4/9/2016 19:57:46 Type: QC
Method: BC04012016_P(v12) 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	7.596	.2811	141.5	.3081	1.395	-.7716
Stddev	9.873	.3187	34.4	1.033	.495	1.436
%RSD	130.0	113.4	24.31	335.4	35.48	186.1

#1	18.59	.6413	180.0	1.501	1.908	.5944
#2	4.714	.1660	130.7	-.2679	.9201	-.6409
#3	-.5156	.0359	113.8	-.3088	1.356	-2.268

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	1.926	1.949	.2836	.3604	1.667	1.044
Stddev	1.635	2.297	.3399	.5757	.706	.613
%RSD	84.89	117.8	119.8	159.7	42.35	58.68

#1	3.383	-.7018	.6703	1.013	2.385	1.746
#2	2.236	3.330	.0322	.1434	1.641	.6184
#3	.1581	3.219	.1485	-.0753	.9743	.7678

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

Sample Name: CCB Acquired: 4/9/2016 19:57:46 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5262	.2789	.8120	-1.758
Stddev	.5361	.2337	.5620	21.06
%RSD	101.9	83.80	69.21	1198.

#1	1.131	.5204	1.440	-22.66
#2	.1098	.2625	.6403	19.45
#3	.3377	.0538	.3558	-2.065

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	8927.0	57959.	10101.
Stddev	8.6	230.	56.
%RSD	.09649	.39683	.55294

#1	8935.5	57861.	10104.
#2	8918.3	58222.	10156.
#3	8927.1	57794.	10044.

Sample Name: CCVL Acquired: 4/9/2016 20:01:40 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	192.2	13.78	9.625	205.6	1.979	4932.
Stddev	9.6	1.84	.523	.8	.047	27.
%RSD	4.993	13.36	5.438	.4053	2.370	.5475

#1	200.7	15.09	10.10	205.9	1.959	4927.
#2	181.8	14.57	9.066	206.2	2.032	4961.
#3	194.2	11.67	9.705	204.6	1.945	4908.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.191	51.29	10.21	24.03	162.2	4937.
Stddev	.030	.28	.29	.96	3.9	78.
%RSD	.7116	.5549	2.815	4.002	2.382	1.585

#1	4.189	51.33	10.36	22.93	158.4	4890.
#2	4.162	51.55	9.878	24.72	166.1	4894.
#3	4.221	50.99	10.39	24.45	162.1	5027.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/9/2016 20:01:40 Type: QC
Method: BC04012016_P(v12) 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	4816.	15.95	5086.	41.23	11.06	17.21
Stddev	72.	.16	32.	.56	1.71	.25
%RSD	1.494	1.024	.6259	1.370	15.42	1.458

#1	4750.	15.76	5088.	40.60	12.90	17.06
#2	4893.	16.04	5117.	41.69	9.532	17.50
#3	4805.	16.04	5053.	41.41	10.75	17.07

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	19.40	24.03	50.19	31.33	46.93	18.82
Stddev	1.55	1.69	.09	.12	.58	.20
%RSD	7.973	7.029	.1804	.3871	1.234	1.048

#1	18.36	24.58	50.10	31.30	46.34	18.81
#2	21.17	22.14	50.20	31.47	47.50	18.63
#3	18.66	25.38	50.28	31.24	46.95	19.03

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/9/2016 20:01:40 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	48.65	20.95	20.10	F 3.576
Stddev	.14	.32	.30	16.05
%RSD	.2775	1.541	1.493	448.8

#1	48.59	20.67	19.78	-13.85
#2	48.56	20.88	20.38	6.832
#3	48.81	21.31	20.15	17.75

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8949.5	58253.	10266.
Stddev	42.5	337.	74.
%RSD	.47455	.57855	.71738

#1	8901.9	58040.	10308.
#2	8963.3	58077.	10181.
#3	8983.4	58641.	10308.

Sample Name: 460-111582-A-1-H@5 Acquired: 4/9/2016 20:05:31 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	289.5	.5265	-.1197	71.49	.2178	32100.
Stddev	9.1	.3647	.5375	.19	.0688	101.
%RSD	3.146	69.26	449.0	.2628	31.61	.3157
#1	291.8	.1800	.4303	71.62	.2325	32210.
#2	297.2	.9071	-.1455	71.28	.1428	32090.
#3	279.4	.4925	-.6439	71.58	.2781	32010.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4421	2.582	.7948	11.67	1629.	663.2
Stddev	.1234	.127	.0861	.30	11.	39.2
%RSD	27.91	4.930	10.84	2.549	.6867	5.909
#1	.3678	2.493	.8343	11.53	1621.	625.2
#2	.3740	2.525	.6961	11.46	1642.	660.8
#3	.5845	2.728	.8541	12.01	1624.	703.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111582-A-1-H@5 Acquired: 4/9/2016 20:05:31 Type: Unk

Method: BC04012016_P(v12) 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	2835.	131.6	F 275700.	12.03	56.37	-1.262
Stddev	19.	.8	3197.	.76	1.14	1.682
%RSD	.6669	.6194	1.160	6.304	2.030	133.3

#1	2818.	130.8	279200.	12.30	57.39	-3.201
#2	2855.	132.4	275000.	12.62	55.13	-.2017
#3	2830.	131.7	272900.	11.18	56.59	-.3825

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2807	.7805	2.475	172.4	32.90	.0248
Stddev	1.212	3.852	.158	1.4	.18	.2623
%RSD	431.8	493.5	6.372	.7954	.5466	1057.

#1	1.129	-2.137	2.298	173.6	32.83	-.2645
#2	-1.108	5.147	2.525	170.9	33.10	.2472
#3	.8205	-.6688	2.602	172.7	32.76	.0917

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

Sample Name: 460-111582-A-1-H@5 Acquired: 4/9/2016 20:05:31 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.018	55.30	12.13	6465.
Stddev	.203	.26	.08	31.
%RSD	19.94	.4783	.6359	.4808

#1	1.144	55.52	12.06	6501.
#2	.7839	55.00	12.11	6451.
#3	1.126	55.37	12.21	6444.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8621.0	55753.	10018.
Stddev	32.3	420.	70.
%RSD	.37503	.75299	.69714

#1	8583.8	55306.	9943.4
#2	8642.8	55813.	10082.
#3	8636.3	56139.	10029.

Sample Name: 460-111563-C-1-D@5 Acquired: 4/9/2016 20:09:21 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	93.58	2.247	.2824	68.08	.0599	20990.
Stddev	8.37	.402	.2310	.45	.0984	60.
%RSD	8.940	17.91	81.79	.6621	164.3	.2850

#1	100.7	2.706	.0576	68.47	.1191	20930.
#2	84.38	1.958	.2705	68.17	.1143	20990.
#3	95.62	2.076	.5192	67.58	-.0537	21050.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.426	3.203	.5630	16.13	97.02	3057.
Stddev	.025	.237	.4621	.37	5.93	68.
%RSD	1.776	7.388	82.08	2.320	6.110	2.219

#1	1.448	3.475	.3751	15.93	90.22	2983.
#2	1.398	3.041	.2244	15.91	99.71	3073.
#3	1.432	3.093	1.090	16.57	101.1	3116.

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

Sample Name: 460-111563-C-1-D@5 Acquired: 4/9/2016 20:09:21 Type: Unk

Method: BC04012016_P(v12) 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	5478.	457.1	F 288900.	3.065	59.20	-2.496
Stddev	66.	.6	982.	.508	1.90	.350
%RSD	1.211	.1381	.3398	16.56	3.215	14.02

#1	5405.	456.4	290000.	2.758	60.54	-2.897
#2	5494.	457.6	288400.	2.787	60.04	-2.250
#3	5535.	457.3	288200.	3.651	57.02	-2.342

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.678	3.784	1.529	607.8	34.18	-.8971
Stddev	1.120	1.895	.318	1.2	.45	.2742
%RSD	19.73	50.08	20.83	.2023	1.330	30.57

#1	4.385	5.295	1.187	608.0	34.70	-.6473
#2	6.292	4.400	1.817	608.9	34.02	-1.191
#3	6.357	1.658	1.583	606.4	33.83	-.8535

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

Sample Name: 460-111563-C-1-D@5 Acquired: 4/9/2016 20:09:21 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5671	87.29	3.961	753.2
Stddev	.6022	.11	.240	26.0
%RSD	106.2	.1260	6.057	3.449

#1	.1511	87.17	3.750	768.2
#2	.2925	87.39	3.912	768.2
#3	1.258	87.31	4.222	723.2

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	8629.9	56538.	9967.8
Stddev	7.9	98.	123.9
%RSD	.09145	.17270	1.2432

#1	8622.2	56647.	10111.
#2	8637.9	56506.	9894.1
#3	8629.6	56460.	9898.5

Sample Name: pds460-111612-D-2-A Acquired: 4/9/2016 20:13:14 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42470.	1848.	49.06	2053.	53.18	20990.
Stddev	40.	5.	.77	2.	.29	107.
%RSD	.0940	.2757	1.574	.0992	.5523	.5073
#1	42430.	1852.	49.91	2056.	53.51	20870.
#2	42480.	1842.	48.85	2052.	52.94	21070.
#3	42500.	1850.	48.41	2053.	53.09	21020.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.92	521.3	319.8	277.7	109100.	23990.
Stddev	.08	1.5	3.5	2.5	333.	13.
%RSD	.1540	.2897	1.084	.8917	.3052	.0544
#1	48.92	522.1	315.9	276.1	108700.	23990.
#2	48.84	519.5	322.3	280.6	109300.	24000.
#3	48.99	522.2	321.4	276.6	109300.	23980.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds460-111612-D-2-A Acquired: 4/9/2016 20:13:14 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29330.	1468.	19780.	574.6	693.2	453.4
Stddev	172.	6.	50.	1.4	2.0	2.3
%RSD	.5876	.3840	.2537	.2377	.2835	.5180

#1	29130.	1462.	19780.	575.8	691.9	456.0
#2	29450.	1470.	19730.	573.1	692.3	451.3
#3	29400.	1473.	19830.	574.8	695.5	453.0

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	1835.	2002.	580.0	717.3	495.5	468.9
Stddev	4.	6.	1.4	.5	.5	.2
%RSD	.2111	.3222	.2334	.0746	.0957	.0425

#1	1835.	2007.	578.4	716.7	496.0	469.0
#2	1839.	1995.	580.7	717.8	495.1	469.0
#3	1831.	2005.	580.9	717.3	495.6	468.7

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

Sample Name: pds460-111612-D-2-A Acquired: 4/9/2016 20:13:14 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	496.7	515.8	960.5	918.2
Stddev	2.5	1.5	2.1	5.0
%RSD	.4999	.2872	.2174	.5467

#1	499.6	517.1	958.9	913.1
#2	495.3	514.2	959.7	918.4
#3	495.2	516.1	962.9	923.2

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	8987.6	58490.	10206.
Stddev	43.9	230.	70.
%RSD	.48832	.39363	.68493

#1	8941.2	58458.	10262.
#2	8993.1	58277.	10127.
#3	9028.5	58734.	10228.

Sample Name: 460-111612-D-2-C MS Acquired: 4/9/2016 20:16:45 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44430.	927.0	22.19	1072.	27.81	11550.
Stddev	32.	3.1	.61	2.	.20	69.
%RSD	.0724	.3350	2.761	.1889	.7067	.5935

#1	44400.	925.4	22.82	1074.	28.03	11490.
#2	44460.	930.6	22.15	1072.	27.75	11530.
#3	44440.	925.1	21.59	1070.	27.66	11620.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.38	277.4	235.2	165.6	109000.	15610.
Stddev	.08	1.1	1.5	.6	259.	57.
%RSD	.3248	.3995	.6231	.3639	.2380	.3653

#1	24.30	276.2	234.1	165.6	108800.	15590.
#2	24.46	277.7	234.6	166.1	108900.	15570.
#3	24.39	278.3	236.8	164.9	109300.	15670.

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

Sample Name: 460-111612-D-2-C MS Acquired: 4/9/2016 20:16:45 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19840.	1247.	9780.	322.7	455.6	142.0
Stddev	52.	2.	16.	1.0	3.6	1.1
%RSD	.2613	.1739	.1604	.3234	.7899	.7875

#1	19790.	1244.	9762.	321.6	452.2	142.9
#2	19840.	1247.	9790.	323.7	455.4	142.3
#3	19890.	1249.	9789.	322.7	459.3	140.7

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	894.5	996.6	356.2	480.2	263.6	226.8
Stddev	1.8	2.0	.9	4.3	1.4	1.2
%RSD	.1957	.1990	.2636	.8959	.5330	.5264

#1	892.7	998.8	355.9	484.9	262.2	225.4
#2	896.2	996.2	355.4	476.4	265.1	227.7
#3	894.6	994.9	357.2	479.5	263.6	227.3

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

Sample Name: 460-111612-D-2-C MS Acquired: 4/9/2016 20:16:45 Type: Unk
 Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	244.2	265.1	758.6	1236.
Stddev	2.3	.3	1.5	23.
%RSD	.9428	.1149	.2019	1.869

#1	241.9	265.3	758.4	1231.
#2	244.1	265.2	757.2	1215.
#3	246.5	264.7	760.3	1261.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9033.3	59192.	10375.
Stddev	21.0	178.	20.
%RSD	.23248	.30038	.19444

#1	9018.9	59061.	10375.
#2	9057.4	59394.	10395.
#3	9023.7	59121.	10355.

Sample Name: 460-111612-D-2-B DU Acquired: 4/9/2016 20:20:21 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38390.	31.41	-.4962	100.4	2.898	2347.
Stddev	159.	2.12	.2099	.2	.168	22.
%RSD	.4148	6.761	42.31	.1796	5.790	.9381

#1	38340.	31.48	-.5939	100.5	2.811	2357.
#2	38570.	33.51	-.2552	100.5	3.091	2362.
#3	38260.	29.26	-.6394	100.2	2.791	2322.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3680	35.89	120.8	48.08	104400.	5256.
Stddev	.1252	.29	.5	.21	400.	15.
%RSD	34.01	.8058	.4009	.4299	.3825	.2834

#1	.4496	36.23	120.5	48.31	104400.	5264.
#2	.2239	35.71	120.6	48.02	104900.	5265.
#3	.4306	35.74	121.4	47.91	104100.	5239.

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

Sample Name: 460-111612-D-2-B DU Acquired: 4/9/2016 20:20:21 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10770.	1161.	114.8	77.97	209.1	2.673
Stddev	55.	4.	3.0	.13	2.5	1.432
%RSD	.5127	.3180	2.642	.1694	1.216	53.56

#1	10740.	1161.	118.3	78.07	212.0	1.300
#2	10830.	1165.	113.8	78.01	207.2	2.562
#3	10730.	1158.	112.5	77.82	208.0	4.158

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	3.529	5.923	106.8	227.2	22.14	1.502
Stddev	3.758	4.270	1.0	.7	.28	.157
%RSD	106.5	72.09	.9071	.3031	1.263	10.47

#1	.3921	1.443	107.8	227.8	22.39	1.532
#2	2.502	9.946	105.9	226.4	22.20	1.643
#3	7.694	6.379	106.7	227.3	21.84	1.332

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

Sample Name: 460-111612-D-2-B DU Acquired: 4/9/2016 20:20:21 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.85	18.09	477.0	867.6
Stddev	.60	.04	.6	4.0
%RSD	5.529	.2374	.1323	.4666

#1	11.53	18.10	477.3	868.8
#2	10.38	18.14	477.4	870.9
#3	10.65	18.05	476.2	863.1

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	9124.4	59326.	10397.
Stddev	26.7	427.	130.
%RSD	.29274	.72009	1.2528

#1	9095.8	59020.	10284.
#2	9128.7	59143.	10368.
#3	9148.7	59814.	10539.

Sample Name: 460-111612-D-2-A@4 Acquired: 4/9/2016 20:24:05 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40660.	33.29	-.0719	90.66	3.045	2446.
Stddev	139.	.96	.4069	.59	.120	6.
%RSD	.3414	2.872	565.9	.6489	3.950	.2521
#1	40540.	32.42	.3654	91.21	2.975	2441.
#2	40620.	34.32	-.1416	90.73	3.184	2445.
#3	40810.	33.15	-.4395	90.04	2.975	2453.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4370	36.91	129.0	46.53	108900.	5893.
Stddev	.1854	.27	.6	.28	118.	37.
%RSD	42.44	.7264	.4680	.6081	.1083	.6348
#1	.5938	36.94	128.4	46.77	108800.	5853.
#2	.4848	37.16	129.6	46.61	108800.	5927.
#3	.2323	36.62	129.0	46.22	109000.	5900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111612-D-2-A@4 Acquired: 4/9/2016 20:24:05 Type: Unk
Method: BC04012016_P(v12) 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	11240.	993.6	87.75	82.32	215.5	1.932
Stddev	16.	.9	9.31	.83	1.2	1.390
%RSD	.1382	.0935	10.61	1.010	.5339	71.97

#1	11230.	994.3	97.35	82.05	216.7	.4326
#2	11240.	992.5	78.77	83.26	215.5	2.184
#3	11260.	993.9	87.13	81.66	214.4	3.178

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	3.075	4.179	111.6	234.4	25.85	1.676
Stddev	2.664	1.737	.3	1.2	.31	.227
%RSD	86.63	41.57	.3130	.4986	1.215	13.52

#1	.1543	5.325	111.2	235.2	26.21	1.429
#2	5.371	2.180	111.8	235.0	25.71	1.728
#3	3.699	5.032	111.9	233.1	25.64	1.873

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

Sample Name: 460-111612-D-2-A@4 Acquired: 4/9/2016 20:24:05 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.84	18.89	479.7	887.4
Stddev	.45	.14	1.6	12.4
%RSD	4.145	.7602	.3282	1.401

#1	10.74	18.77	481.0	901.7
#2	11.33	19.05	480.1	879.3
#3	10.45	18.86	478.0	881.1

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	9164.3	60169.	10364.
Stddev	61.9	253.	40.
%RSD	.67564	.42030	.38470

#1	9093.1	59928.	10319.
#2	9194.3	60432.	10396.
#3	9205.5	60148.	10377.

Sample Name: sd460-111612-D-2-A@2 Acquired: 4/9/2016 20:27:48 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x20

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8286.	7.260	.1537	18.11	.7588	521.6
Stddev	40.	.298	.1912	.17	.0767	10.1
%RSD	.4833	4.103	124.4	.9457	10.10	1.933
#1	8245.	7.428	.3723	18.28	.7867	527.5
#2	8325.	6.916	.0720	18.10	.8177	527.4
#3	8287.	7.436	.0170	17.94	.6721	510.0

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0456	7.367	26.41	10.07	22330.	1203.
Stddev	.1313	.104	.36	.08	18.	29.
%RSD	288.2	1.413	1.361	.8065	.0811	2.376
#1	.1326	7.454	26.78	9.991	22340.	1171.
#2	-.1055	7.252	26.37	10.07	22340.	1225.
#3	.1095	7.395	26.06	10.15	22310.	1213.

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

Sample Name: sd460-111612-D-2-A@2 Acquired: 4/9/2016 20:27:48 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x20

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2367.	204.2	46.82	15.83	44.37	-.3332
Stddev	9.	.7	13.20	.57	1.33	.1794
%RSD	.3909	.3474	28.18	3.621	3.005	53.84

#1	2358.	204.2	61.32	16.06	44.55	-.3302
#2	2365.	204.9	43.64	15.18	42.96	-.5140
#3	2376.	203.5	35.51	16.25	45.61	-.1553

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	2.571	1.690	22.81	47.78	5.347	-.6384
Stddev	.975	1.772	.14	.36	.280	.2694
%RSD	37.92	104.9	.6236	.7598	5.241	42.20

#1	2.973	2.503	22.64	47.87	5.334	-.4753
#2	3.281	-.3431	22.89	48.09	5.074	-.4905
#3	1.460	2.910	22.89	47.38	5.634	-.9493

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

Sample Name: sd460-111612-D-2-A@2 Acquired: 4/9/2016 20:27:48 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x20

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.829	3.847	99.12	177.8
Stddev	.635	.099	.68	9.4
%RSD	34.70	2.566	.6834	5.294

#1	1.361	3.769	98.82	178.0
#2	1.575	3.958	98.64	168.3
#3	2.552	3.814	99.89	187.1

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	9070.8	59265.	10201.
Stddev	24.3	345.	52.
%RSD	.26740	.58269	.51226

#1	9046.1	59026.	10261.
#2	9071.8	59107.	10168.
#3	9094.6	59660.	10174.

Sample Name: MB 460-361589/1-A@2 Acquired: 4/9/2016 20:31:38 Type: QC

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.355	-1.392	-.0183	-.0036	-.0734	31.29
Stddev	5.564	.621	.5833	.1028	.0621	1.59
%RSD	103.9	44.63	3195.	2863.	84.65	5.069

#1	-.3432	-.7385	.6184	.0593	-.0019	32.14
#2	-4.379	-1.462	-.5268	-.1222	-.1036	32.28
#3	-11.34	-1.975	-.1464	.0521	-.1146	29.46

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0135	-.1733	.1878	.0921	17.51	-4.979
Stddev	.1137	.1218	.2381	.3447	11.20	20.79
%RSD	842.2	70.27	126.7	374.1	63.97	417.5

#1	-.0707	-.2833	.0730	.4183	15.38	-28.02
#2	-.0873	-.1942	.0289	.1267	7.529	12.36
#3	.1175	-.0424	.4615	-.2685	29.63	.7257

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

Sample Name: MB 460-361589/1-A@2 Acquired: 4/9/2016 20:31:38 Type: QC

Method: BC04012016_P(v12) 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	4.311	.1863	56.92	-.3762	.4064	-.3270
Stddev	1.678	.1076	7.94	.2816	.9894	.4798
%RSD	38.92	57.79	13.95	74.87	243.5	146.7

#1	4.670	.0850	63.53	-.0535	1.543	-.2132
#2	2.482	.1745	59.13	-.5025	-.2612	.0857
#3	5.780	.2993	48.12	-.5726	-.0628	-.8535

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	3.242	4.669	.0970	.5593	1.141	-.9434
Stddev	2.266	2.539	.4850	.1109	.179	.2179
%RSD	69.92	54.38	499.8	19.83	15.66	23.10

#1	5.380	4.976	-.1754	.5601	1.110	-1.194
#2	3.479	1.991	.6570	.6699	.9802	-.8396
#3	.8657	7.041	-.1905	.4481	1.333	-.7968

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

Sample Name: MB 460-361589/1-A@2 Acquired: 4/9/2016 20:31:38 Type: QC

Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	21.68	.0775	-.5961	1.425
Stddev	.38	.0931	.0529	10.41
%RSD	1.775	120.2	8.874	730.7

#1	21.60	.0478	-.6212	-10.55
#2	21.35	.1817	-.5353	8.373
#3	22.10	.0028	-.6318	6.450

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	9030.8	59226.	10217.
Stddev	36.0	81.	102.
%RSD	.39919	.13672	.99935

#1	9051.5	59301.	10105.
#2	8989.2	59140.	10241.
#3	9051.7	59238.	10305.

Sample Name: LCSSRM 460-361589/2- Acquired: 4/9/2016 20:35:32 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36920.	687.0	142.2	1051.	493.5	27450.
Stddev	33.	3.5	.4	2.	1.6	91.
%RSD	.0888	.5130	.3132	.1448	.3287	.3311
#1	36920.	685.3	141.7	1052.	494.2	27550.
#2	36960.	691.0	142.6	1052.	494.7	27420.
#3	36890.	684.6	142.3	1050.	491.7	27370.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	448.8	807.0	697.6	823.6	68230.	11390.
Stddev	.7	2.1	2.2	1.8	132.	15.
%RSD	.1670	.2566	.3130	.2126	.1931	.1321
#1	449.7	809.2	699.9	821.7	68390.	11410.
#2	448.3	805.1	697.5	825.2	68160.	11380.
#3	448.5	806.7	695.5	823.9	68150.	11390.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-361589/2- Acquired: 4/9/2016 20:35:32 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11990.	1534.	4365.	696.3	747.3	319.6
Stddev	26.	2.	8.	2.0	1.4	2.3
%RSD	.2150	.1625	.1875	.2901	.1885	.7194

#1	12010.	1536.	4373.	697.3	748.0	318.0
#2	12000.	1533.	4366.	694.0	745.6	322.2
#3	11960.	1531.	4356.	697.6	748.1	318.6

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	844.6	761.3	545.6	986.4	622.1	572.3
Stddev	5.2	2.8	.8	5.5	3.5	2.6
%RSD	.6140	.3630	.1542	.5596	.5586	.4559

#1	839.2	764.1	546.3	991.9	618.7	569.3
#2	849.5	761.2	544.7	980.9	625.7	573.6
#3	845.2	758.6	545.8	986.4	622.0	574.0

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

Sample Name: LCSSRM 460-361589/2- Acquired: 4/9/2016 20:35:32 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	728.4	532.6	1414.	1220.
Stddev	.6	.1	2.	6.
%RSD	.0834	.0125	.1087	.5210

#1	729.0	532.6	1414.	1226.
#2	728.5	532.5	1415.	1219.
#3	727.8	532.7	1412.	1214.

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	9138.0	59531.	10432.
Stddev	68.9	588.	160.
%RSD	.75357	.98702	1.5289

#1	9064.0	58866.	10276.
#2	9200.2	59748.	10426.
#3	9149.8	59979.	10595.

Sample Name: 460-111784-A-1-A@4 Acquired: 4/9/2016 20:39:06 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	82520.	36.58	.1058	1541.	2.899	51700.
Stddev	357.	1.27	.2683	3.	.007	136.
%RSD	.4321	3.469	253.6	.1810	.2289	.2631

#1	82140.	37.52	.1579	1542.	2.903	51770.
#2	82580.	37.09	-.1847	1542.	2.891	51790.
#3	82850.	35.14	.3442	1537.	2.901	51540.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.139	56.78	103.5	193.6	163400.	5925.
Stddev	.138	.30	.6	1.2	582.	70.
%RSD	6.434	.5342	.5765	.6337	.3560	1.181

#1	2.064	56.96	103.1	192.9	163800.	5848.
#2	2.055	56.43	104.2	195.0	163700.	5942.
#3	2.298	56.95	103.3	192.9	162700.	5985.

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

Sample Name: 460-111784-A-1-A@4 Acquired: 4/9/2016 20:39:06 Type: Unk
Method: BC04012016_P(v12) 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	45500.	4940.	1477.	132.6	14600.	3.296
Stddev	122.	18.	8.	.3	24.	.974
%RSD	.2688	.3555	.5463	.2638	.1660	29.55

#1	45580.	4954.	1474.	132.4	14620.	2.373
#2	45560.	4945.	1487.	132.4	14590.	3.201
#3	45360.	4920.	1472.	133.0	14570.	4.314

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	8.756	11.48	97.32	2058.	5.619	2.374
Stddev	1.957	2.36	.53	6.	.635	.185
%RSD	22.35	20.53	.5456	.3094	11.31	7.810

#1	6.572	8.915	97.37	2065.	5.245	2.367
#2	9.345	11.97	97.82	2056.	5.259	2.192
#3	10.35	13.55	96.76	2053.	6.352	2.562

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

Sample Name: 460-111784-A-1-A@4 Acquired: 4/9/2016 20:39:06 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	104.5	126.7	236.7	819.0
Stddev	1.2	.3	.7	8.8
%RSD	1.141	.2154	.3123	1.075

#1	105.8	126.5	237.4	815.5
#2	103.5	126.7	236.8	829.0
#3	104.1	127.0	235.9	812.4

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	9114.5	59607.	10405.
Stddev	51.4	426.	92.
%RSD	.56421	.71469	.88195

#1	9056.8	59179.	10487.
#2	9131.3	59610.	10306.
#3	9155.5	60031.	10423.

Sample Name: CCV Acquired: 4/9/2016 20:42:50 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124800.	2362.	1167.	9898.	985.3	118400.
Stddev	230.	4.	3.	16.	.5	279.
%RSD	.1840	.1827	.2211	.1630	.0519	.2352

#1	124500.	2363.	1168.	9913.	985.4	118100.
#2	124800.	2358.	1169.	9900.	984.8	118600.
#3	125000.	2366.	1164.	9881.	985.8	118500.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1216.	2407.	4715.	11570.	95470.	50620.
Stddev	5.	5.	13.	39.	227.	130.
%RSD	.3917	.2095	.2793	.3354	.2376	.2573

#1	1220.	2412.	4700.	11610.	95240.	50470.
#2	1218.	2408.	4725.	11550.	95700.	50670.
#3	1211.	2402.	4721.	11540.	95480.	50720.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/9/2016 20:42:50 Type: QC
Method: BC04012016_P(v12) 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	118100.	4865.	126400.	2453.	7241.	942.2
Stddev	364.	8.	205.	9.	26.	3.6
%RSD	.3085	.1696	.1625	.3479	.3601	.3856

#1	117700.	4856.	126600.	2459.	7259.	939.2
#2	118500.	4873.	126400.	2457.	7253.	941.2
#3	118200.	4866.	126200.	2443.	7211.	946.3

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	2359.	2452.	2375.	2475.	925.7	2356.
Stddev	9.	7.	7.	21.	4.5	1.
%RSD	.4013	.2656	.2791	.8424	.4834	.0565

#1	2364.	2457.	2368.	2486.	922.8	2357.
#2	2348.	2454.	2381.	2488.	923.4	2356.
#3	2365.	2445.	2376.	2451.	930.9	2355.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/9/2016 20:42:50 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	957.8	5059.	9549.	9359.
Stddev	2.2	3.	8.	129.
%RSD	.2304	.0611	.0852	1.383

#1	959.2	5063.	9540.	9507.
#2	958.9	5056.	9555.	9269.
#3	955.3	5059.	9551.	9300.

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	8503.8	55694.	9734.9
Stddev	65.1	296.	145.7
%RSD	.76531	.53212	1.4971

#1	8491.5	56019.	9901.2
#2	8445.8	55437.	9629.7
#3	8574.2	55627.	9673.6

Sample Name: CCB Acquired: 4/9/2016 20:46:18 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.91	.6315	.6079	2.686	.0905	41.94
Stddev	23.88	.7992	.2937	4.731	.0974	13.27
%RSD	218.9	126.5	48.31	176.1	107.6	31.65

#1	37.88	1.447	.8938	8.149	.2023	50.06
#2	2.419	-.1506	.3071	.0012	.0449	49.13
#3	-7.568	.5983	.6228	-.0905	.0243	26.62

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3632	.4646	.5717	1.884	13.17	-8.857
Stddev	.6291	1.192	.5422	.849	14.50	30.78
%RSD	173.2	256.5	94.85	45.09	110.1	347.5

#1	1.080	1.840	1.140	2.408	27.21	8.845
#2	.1082	-.1802	.5149	2.339	14.06	8.982
#3	-.0984	-.2659	.0601	.9037	-1.755	-44.40

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

Sample Name: CCB Acquired: 4/9/2016 20:46:18 Type: QC
Method: BC04012016_P(v12) 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	15.11	.5680	52.87	.4242	4.047	-.6900
Stddev	5.00	.3986	39.25	.8015	5.609	1.424
%RSD	33.11	70.18	74.24	189.0	138.6	206.5
#1	19.63	.9693	96.73	1.327	10.47	-.1857
#2	15.95	.5624	40.80	.1479	1.582	-2.298
#3	9.737	.1722	21.07	-.2027	.0928	.4138

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	4.865	3.598	.1606	.9651	1.827	1.247
Stddev	2.868	3.571	.3655	1.394	.975	1.040
%RSD	58.95	99.25	227.5	144.4	53.36	83.39
#1	8.108	7.233	.4969	2.562	2.821	2.447
#2	3.828	3.468	.2133	.3399	1.786	.6247
#3	2.660	.0941	-.2283	-.0066	.8731	.6687

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

Sample Name: CCB Acquired: 4/9/2016 20:46:18 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5444	.3491	1.195	6.679
Stddev	.4526	.4930	.494	11.55
%RSD	83.12	141.2	41.35	172.9

#1	1.032	.9184	1.612	3.014
#2	.1378	.0706	1.325	-2.590
#3	.4635	.0584	.6490	19.61

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	9026.7	58994.	10075.
Stddev	39.5	420.	110.
%RSD	.43806	.71254	1.0946

#1	9068.3	59255.	10177.
#2	9022.2	59217.	10089.
#3	8989.6	58509.	9958.3

Sample Name: CCVL Acquired: 4/9/2016 20:50:12 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	197.2	14.58	9.061	206.0	2.009	4949.
Stddev	6.9	1.48	.123	.5	.055	2.
%RSD	3.474	10.14	1.356	.2605	2.714	.0308

#1	200.3	16.27	9.154	205.7	1.983	4950.
#2	189.4	13.51	9.107	206.6	2.072	4947.
#3	202.0	13.96	8.921	205.6	1.972	4949.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.025	51.30	9.798	23.98	162.1	4945.
Stddev	.064	.60	.149	.62	7.8	38.
%RSD	1.597	1.174	1.522	2.597	4.842	.7709

#1	4.089	50.69	9.958	23.35	153.5	4907.
#2	3.961	51.31	9.774	24.59	168.8	4983.
#3	4.026	51.89	9.663	24.00	164.0	4945.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/9/2016 20:50:12 Type: QC
Method: BC04012016_P(v12) 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	4779.	15.81	5115.	41.36	11.89	18.60
Stddev	48.	.10	5.	.83	.61	.99
%RSD	.9985	.6247	.1046	1.997	5.120	5.343

#1	4763.	15.73	5121.	40.85	12.53	17.87
#2	4833.	15.92	5111.	40.92	11.85	19.73
#3	4742.	15.77	5113.	42.31	11.31	18.21

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	21.11	22.60	49.40	31.32	47.11	19.08
Stddev	1.95	2.40	.73	.18	.50	.30
%RSD	9.248	10.61	1.482	.5698	1.070	1.547

#1	19.75	25.34	49.42	31.14	47.55	18.96
#2	23.35	20.92	50.12	31.50	46.56	18.86
#3	20.24	21.53	48.66	31.32	47.24	19.42

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/9/2016 20:50:12 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	47.94	21.09	19.60	F 2.468
Stddev	.61	.10	.11	8.535
%RSD	1.273	.4657	.5722	345.9

#1	47.40	20.99	19.50	-6.638
#2	47.83	21.10	19.72	10.29
#3	48.60	21.18	19.56	3.755

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9014.3	58561.	10005.
Stddev	55.1	330.	32.
%RSD	.61076	.56376	.31841

#1	8973.9	58354.	9998.0
#2	8992.0	58387.	9977.0
#3	9077.0	58942.	10040.

Sample Name: 460-111767-D-13-A@4 Acquired: 4/9/2016 20:54:02 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	68950.	24.12	-.1191	153.8	.5783	3453.
Stddev	738.	1.33	.4554	.9	.1177	27.
%RSD	1.070	5.512	382.3	.5813	20.35	.7949

#1	68160.	22.91	-.5451	152.7	.6965	3421.
#2	69060.	25.55	-.1732	154.4	.4611	3471.
#3	69620.	23.91	.3609	154.2	.5774	3467.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0929	5.727	54.73	13.57	33340.	2294.
Stddev	.0632	.198	.74	.04	190.	59.
%RSD	68.00	3.454	1.354	.2589	.5698	2.590

#1	-.0818	5.883	53.90	13.53	33130.	2233.
#2	-.0361	5.795	55.33	13.58	33430.	2296.
#3	-.1610	5.505	54.97	13.60	33480.	2352.

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

Sample Name: 460-111767-D-13-A@4 Acquired: 4/9/2016 20:54:02 Type: Unk

Method: BC04012016_P(v12) 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	2501.	56.17	122.1	13.82	52.84	-1.659
Stddev	43.	.75	6.2	.21	.65	1.969
%RSD	1.738	1.341	5.070	1.539	1.226	118.7

#1	2455.	55.40	115.0	13.61	53.59	-2.098
#2	2542.	56.91	126.3	14.04	52.49	.4928
#3	2507.	56.19	125.1	13.82	52.45	-3.371

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	2.523	1.622	105.3	46.11	1.962	1.280
Stddev	3.731	.804	1.6	.13	.237	.169
%RSD	147.9	49.57	1.511	.2763	12.08	13.16

#1	.4446	2.542	103.7	45.99	1.982	1.204
#2	6.831	1.273	106.9	46.10	2.188	1.163
#3	.2947	1.052	105.4	46.24	1.716	1.473

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

Sample Name: 460-111767-D-13-A@4 Acquired: 4/9/2016 20:54:02 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	12.62	25.22	370.0	1297.
Stddev	.26	.30	2.3	22.
%RSD	2.025	1.189	.6193	1.701

#1	12.88	24.89	367.5	1279.
#2	12.61	25.48	370.6	1321.
#3	12.37	25.30	372.0	1290.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9064.4	58527.	10213.
Stddev	54.4	468.	41.
%RSD	.60003	.79946	.40150

#1	9018.2	58149.	10253.
#2	9050.6	58381.	10171.
#3	9124.3	59050.	10213.

Sample Name: 460-111767-D-14-A@4 Acquired: 4/9/2016 20:57:49 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47580.	4.514	-.1437	62.51	.5944	3276.
Stddev	155.	.292	.2279	.12	.1767	12.
%RSD	.3266	6.468	158.6	.1907	29.73	.3583

#1	47520.	4.321	-.2396	62.51	.4942	3262.
#2	47470.	4.850	.1165	62.62	.4905	3282.
#3	47760.	4.372	-.3080	62.38	.7984	3283.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1180	2.164	38.54	5.300	67490.	1187.
Stddev	.1428	.039	.07	.311	161.	7.
%RSD	121.0	1.818	.1789	5.876	.2381	.6133

#1	.0330	2.125	38.46	5.036	67410.	1194.
#2	-.1360	2.204	38.57	5.643	67390.	1188.
#3	-.2510	2.164	38.58	5.219	67680.	1180.

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

Sample Name: 460-111767-D-14-A@4 Acquired: 4/9/2016 20:57:49 Type: Unk

Method: BC04012016_P(v12) 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	1077.	20.69	84.10	4.374	38.11	.9069
Stddev	11.	.23	7.41	.261	.07	.6417
%RSD	1.042	1.104	8.811	5.955	.1903	70.76

#1	1066.	20.43	90.50	4.666	38.12	.2428
#2	1076.	20.83	85.82	4.167	38.18	1.524
#3	1088.	20.82	75.98	4.289	38.03	.9543

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	2.215	2.044	102.3	13.91	-1.952	.8413
Stddev	2.483	.735	1.7	.20	.394	.2176
%RSD	112.1	35.96	1.613	1.455	20.18	25.86

#1	5.048	2.873	100.5	13.90	-1.826	.9370
#2	.4144	1.474	102.7	14.12	-1.637	.5922
#3	1.184	1.784	103.8	13.72	-2.394	.9946

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

Sample Name: 460-111767-D-14-A@4 Acquired: 4/9/2016 20:57:49 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	7.450	17.62	284.8	842.9
Stddev	.556	.04	.5	26.3
%RSD	7.461	.2314	.1725	3.123

#1	8.082	17.65	285.0	859.3
#2	7.034	17.57	284.3	856.9
#3	7.235	17.63	285.2	812.5

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	9135.8	59687.	10268.
Stddev	16.3	211.	133.
%RSD	.17831	.35295	1.2986

#1	9129.0	59638.	10281.
#2	9124.0	59918.	10394.
#3	9154.3	59505.	10128.

Sample Name: 460-111767-D-15-A@4 Acquired: 4/9/2016 21:01:39 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	61610.	4.206	-.2116	125.0	.6630	2500.
Stddev	358.	1.905	.2380	.5	.0648	26.
%RSD	.5810	45.29	112.4	.4180	9.780	1.055

#1	61190.	6.010	.0352	124.4	.7373	2473.
#2	61850.	4.394	-.2305	125.1	.6175	2502.
#3	61770.	2.214	-.4396	125.4	.6343	2526.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1653	3.976	51.36	8.970	42290.	1534.
Stddev	.0859	.135	.70	.379	268.	16.
%RSD	51.98	3.398	1.358	4.229	.6336	1.062

#1	-.2635	4.006	50.60	8.575	41980.	1544.
#2	-.1283	3.829	51.53	9.332	42380.	1542.
#3	-.1041	4.095	51.96	9.003	42500.	1515.

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

Sample Name: 460-111767-D-15-A@4 Acquired: 4/9/2016 21:01:39 Type: Unk

Method: BC04012016_P(v12) 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	2017.	45.83	200.1	10.99	43.81	-.7879
Stddev	55.	1.11	15.5	.07	1.37	1.037
%RSD	2.716	2.411	7.756	.6392	3.133	131.6

#1	1955.	44.56	212.3	10.91	43.13	-1.123
#2	2042.	46.40	182.7	11.02	42.91	-1.616
#3	2056.	46.54	205.4	11.05	45.39	.3751

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	3.858	.6362	103.3	28.05	-.3480	.8308
Stddev	1.362	1.161	2.3	.15	.4490	.0763
%RSD	35.31	182.6	2.223	.5484	129.0	9.178

#1	4.049	-.4885	100.8	28.13	-.3350	.7691
#2	2.411	.5659	103.8	28.14	.0943	.8073
#3	5.115	1.831	105.3	27.87	-.8034	.9161

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

Sample Name: 460-111767-D-15-A@4 Acquired: 4/9/2016 21:01:39 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.451	20.56	307.3	895.7
Stddev	.201	.15	1.7	24.6
%RSD	3.109	.7513	.5388	2.746

#1	6.517	20.64	305.5	872.7
#2	6.611	20.38	308.7	892.8
#3	6.226	20.66	307.8	921.6

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	9132.7	59227.	10215.
Stddev	32.0	98.	108.
%RSD	.35020	.16595	1.0583

#1	9103.3	59138.	10178.
#2	9128.0	59209.	10131.
#3	9166.7	59332.	10337.

Sample Name: 460-111572-A-1-M@4 Acquired: 4/9/2016 21:05:26 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36790.	78.50	-4793	55.32	3.065	5084.
Stddev	68.	2.21	.1392	.56	.138	13.
%RSD	.1848	2.814	29.03	1.020	4.511	.2543

#1	36790.	78.67	-.5675	54.89	3.223	5089.
#2	36860.	76.21	-.3189	55.96	3.001	5093.
#3	36730.	80.62	-.5516	55.11	2.970	5069.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3640	5.463	168.1	33.70	124200.	29140.
Stddev	.1068	.223	1.1	.25	390.	44.
%RSD	29.34	4.089	.6693	.7285	.3139	.1495

#1	.4597	5.708	168.5	33.58	124300.	29090.
#2	.2488	5.409	168.9	33.98	124500.	29180.
#3	.3834	5.271	166.8	33.54	123700.	29140.

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

Sample Name: 460-111572-A-1-M@4 Acquired: 4/9/2016 21:05:26 Type: Unk

Method: BC04012016_P(v12) 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	9532.	62.34	109.3	10.77	79.77	3.777
Stddev	29.	.33	3.1	.19	1.13	.652
%RSD	.3092	.5248	2.859	1.758	1.419	17.26

#1	9549.	62.07	105.7	10.90	78.68	3.340
#2	9549.	62.24	111.1	10.85	80.94	4.526
#3	9498.	62.70	111.1	10.55	79.69	3.465

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	4.879	4.689	75.26	169.4	194.2	6.109
Stddev	1.811	3.337	.21	1.7	2.1	.188
%RSD	37.13	71.17	.2821	.9758	1.056	3.069

#1	3.868	2.098	75.12	168.8	192.9	5.974
#2	3.797	8.455	75.16	171.2	196.6	6.030
#3	6.970	3.514	75.51	168.1	193.2	6.323

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

Sample Name: 460-111572-A-1-M@4 Acquired: 4/9/2016 21:05:26 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9.259	36.71	259.7	1079.
Stddev	.460	.34	.6	14.
%RSD	4.967	.9318	.2292	1.288

#1	9.476	36.39	259.5	1063.
#2	9.570	36.67	260.3	1086.
#3	8.731	37.07	259.2	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	8974.9	58224.	9999.2
Stddev	43.4	586.	137.7
%RSD	.48350	1.0065	1.3773

#1	8931.3	57717.	9886.9
#2	8975.3	58090.	9957.8
#3	9018.1	58866.	10153.

Sample Name: 460-111573-A-1-J@4 Acquired: 4/9/2016 21:09:10 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15170.	9.665	-.0390	40.64	.5071	1326.
Stddev	164.	1.243	.4677	.31	.0754	29.
%RSD	1.081	12.86	1201.	.7542	14.86	2.158

#1	14990.	10.76	-.2942	40.56	.5656	1294.
#2	15220.	8.312	.5009	40.38	.4220	1334.
#3	15310.	9.927	-.3235	40.98	.5336	1350.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1064	2.084	41.69	12.01	32050.	514.5
Stddev	.0987	.118	1.18	.39	210.	24.7
%RSD	92.78	5.651	2.827	3.276	.6541	4.804

#1	-.0073	2.050	40.54	12.46	31830.	502.8
#2	.1557	1.987	41.64	11.82	32050.	542.9
#3	.1706	2.215	42.89	11.75	32250.	497.8

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

Sample Name: 460-111573-A-1-J@4 Acquired: 4/9/2016 21:09:10 Type: Unk

Method: BC04012016_P(v12) 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	825.2	63.67	51.64	7.528	22.11	.5942
Stddev	7.4	1.12	6.53	.469	.55	2.300
%RSD	.8963	1.752	12.64	6.232	2.491	387.2

#1	822.4	62.95	54.39	8.064	21.53	.4857
#2	819.7	63.11	56.33	7.327	22.20	-1.650
#3	833.6	64.96	44.19	7.192	22.62	2.947

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	3.745	2.221	43.43	32.29	1.508	2.237
Stddev	2.331	2.147	.30	.30	.524	.149
%RSD	62.24	96.66	.6889	.9295	34.73	6.650

#1	5.848	3.169	43.46	32.21	1.066	2.248
#2	4.148	3.731	43.12	32.04	2.087	2.083
#3	1.239	-.2365	43.71	32.63	1.372	2.380

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

Sample Name: 460-111573-A-1-J@4 Acquired: 4/9/2016 21:09:10 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.96	11.06	411.8	998.6
Stddev	.45	.18	2.5	5.3
%RSD	4.062	1.665	.5970	.5292

#1	11.19	10.89	409.5	1002.
#2	10.45	11.05	411.5	1001.
#3	11.25	11.25	414.4	992.5

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	9149.9	59617.	10151.
Stddev	18.1	61.	53.
%RSD	.19786	.10281	.52661

#1	9141.0	59549.	10185.
#2	9138.0	59669.	10180.
#3	9170.8	59633.	10090.

Sample Name: 460-111607-F-6-C@4 Acquired: 4/9/2016 21:13:00 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38560.	15.12	-.4933	174.3	2.067	11950.
Stddev	203.	1.12	.3016	1.0	.068	94.
%RSD	.5252	7.410	61.14	.5664	3.287	.7874

#1	38360.	15.24	-.1461	173.1	2.007	11850.
#2	38560.	13.94	-.6901	174.7	2.054	12040.
#3	38760.	16.17	-.6437	175.0	2.141	11950.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5330	40.30	93.66	110.9	93450.	3881.
Stddev	.0515	.27	1.42	1.2	542.	50.
%RSD	9.666	.6745	1.516	1.080	.5796	1.300

#1	.5867	40.33	92.02	109.6	92870.	3841.
#2	.5284	40.01	94.46	111.8	93950.	3865.
#3	.4840	40.56	94.50	111.4	93520.	3938.

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

Sample Name: 460-111607-F-6-C@4 Acquired: 4/9/2016 21:13:00 Type: Unk

Method: BC04012016_P(v12) 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	13660.	2203.	4843.	63.64	23.77	1.811
Stddev	106.	12.	27.	.90	1.60	1.594
%RSD	.7781	.5616	.5644	1.408	6.708	88.01

#1	13550.	2190.	4872.	63.49	23.36	3.614
#2	13750.	2213.	4817.	62.84	22.43	.5861
#3	13690.	2207.	4839.	64.61	25.54	1.234

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	3.908	6.357	164.9	156.7	2.095	1.924
Stddev	2.980	1.052	2.9	1.5	.134	.467
%RSD	76.24	16.54	1.733	.9287	6.382	24.28

#1	1.597	5.145	161.9	155.6	2.036	2.171
#2	7.271	7.030	167.5	156.1	2.001	2.216
#3	2.857	6.897	165.4	158.3	2.248	1.385

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

Sample Name: 460-111607-F-6-C@4 Acquired: 4/9/2016 21:13:00 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.26	47.62	2209.	591.3
Stddev	.24	.10	11.	25.9
%RSD	1.780	.2086	.5123	4.378

#1	13.04	47.51	2196.	563.0
#2	13.51	47.71	2211.	597.1
#3	13.24	47.64	2219.	613.8

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	9274.1	60978.	10500.
Stddev	38.9	513.	87.
%RSD	.41994	.84199	.82987

#1	9260.7	60955.	10461.
#2	9243.7	60477.	10438.
#3	9318.0	61503.	10599.

Sample Name: 460-111610-D-1-A@4 Acquired: 4/9/2016 21:16:44 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	68360.	12.58	-.1871	429.0	3.749	7327.
Stddev	73.	1.68	.5081	.7	.086	16.
%RSD	.1074	13.33	271.5	.1673	2.289	.2227

#1	68370.	13.72	-.6749	429.8	3.651	7346.
#2	68290.	10.66	.3391	428.6	3.808	7315.
#3	68430.	13.37	-.2256	428.5	3.789	7322.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.737	34.88	40.18	44.04	43230.	1425.
Stddev	.176	.44	.27	.35	26.	19.
%RSD	6.436	1.274	.6680	.7886	.0600	1.332

#1	2.863	34.89	40.38	43.79	43250.	1441.
#2	2.536	34.43	39.87	43.90	43250.	1404.
#3	2.813	35.32	40.28	44.44	43200.	1431.

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

Sample Name: 460-111610-D-1-A@4 Acquired: 4/9/2016 21:16:44 Type: Unk

Method: BC04012016_P(v12) 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	2525.	1005.	1954.	42.53	345.0	-.7392
Stddev	10.	.	9.	.49	5.7	2.480
%RSD	.3835	.0109	.4531	1.145	1.651	335.5

#1	2529.	1005.	1952.	43.02	348.2	-.4042
#2	2532.	1005.	1947.	42.05	338.4	1.556
#3	2514.	1005.	1964.	42.52	348.4	-3.370

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	3.772	.5252	54.96	931.9	1.701	1.303
Stddev	1.425	.7685	.19	1.8	.196	.246
%RSD	37.79	146.3	.3501	.1927	11.55	18.85

#1	4.964	-.3491	55.10	933.0	1.878	1.271
#2	4.159	1.094	55.05	932.9	1.490	1.076
#3	2.193	.8310	54.74	929.9	1.737	1.564

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

Sample Name: 460-111610-D-1-A@4 Acquired: 4/9/2016 21:16:44 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	21.04	76.81	450.3	858.0
Stddev	.16	.29	.8	18.6
%RSD	.7682	.3824	.1709	2.169

#1	21.05	76.62	449.6	877.7
#2	20.88	76.66	451.1	855.7
#3	21.20	77.15	450.3	840.7

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	9179.5	59545.	10284.
Stddev	53.1	416.	69.
%RSD	.57858	.69831	.66617

#1	9124.4	59082.	10207.
#2	9183.7	59665.	10340.
#3	9230.4	59887.	10304.

Sample Name: 460-111610-D-2-A@4 Acquired: 4/9/2016 21:20:28 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	72750.	21.04	-.1174	500.7	3.686	11860.
Stddev	343.	1.42	.2058	1.4	.147	33.
%RSD	.4710	6.754	175.4	.2733	3.983	.2760
#1	72380.	22.68	-.1919	499.2	3.642	11820.
#2	72830.	20.37	.1153	501.8	3.850	11880.
#3	73060.	20.08	-.2755	501.1	3.566	11880.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.238	37.96	57.61	51.74	45760.	3098.
Stddev	.059	.44	.55	1.10	90.	21.
%RSD	.9530	1.163	.9493	2.131	.1977	.6846
#1	6.182	37.45	57.04	51.88	45660.	3115.
#2	6.301	38.26	58.13	50.57	45840.	3105.
#3	6.232	38.17	57.65	52.76	45780.	3074.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111610-D-2-A@4 Acquired: 4/9/2016 21:20:28 Type: Unk

Method: BC04012016_P(v12) 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	6577.	850.2	4055.	48.32	216.5	-1.736
Stddev	57.	2.6	21.	.57	3.8	1.483
%RSD	.8617	.3067	.5273	1.182	1.739	85.40

#1	6521.	847.3	4031.	47.74	213.4	-.0349
#2	6575.	852.3	4062.	48.88	220.7	-2.754
#3	6635.	851.1	4072.	48.34	215.4	-2.420

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	3.989	.4864	78.22	3649.	5.552	1.088
Stddev	2.127	.8836	.75	17.	.454	.503
%RSD	53.32	181.7	.9583	.4522	8.178	46.20

#1	5.801	1.365	77.68	3638.	5.075	.7164
#2	4.518	.4957	77.91	3668.	5.980	.8882
#3	1.647	-.4018	79.08	3640.	5.600	1.661

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

Sample Name: 460-111610-D-2-A@4 Acquired: 4/9/2016 21:20:28 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	17.17	127.3	799.8	954.7
Stddev	.10	.7	1.5	10.7
%RSD	.5590	.5231	.1897	1.125

#1	17.17	126.5	798.1	962.0
#2	17.27	127.5	800.7	942.4
#3	17.08	127.8	800.8	959.8

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	9252.3	60131.	10357.
Stddev	71.3	551.	20.
%RSD	.77045	.91583	.19596

#1	9189.9	59626.	10334.
#2	9237.0	60048.	10361.
#3	9330.0	60718.	10374.

Sample Name: 460-111612-D-1-A@4 Acquired: 4/9/2016 21:24:12 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	76270.	38.77	-.5897	182.3	3.402	2938.
Stddev	130.	1.40	.0508	.8	.098	8.
%RSD	.1710	3.620	8.610	.4214	2.892	.2812

#1	76150.	38.34	-.5473	182.7	3.289	2937.
#2	76410.	37.63	-.6460	182.8	3.471	2930.
#3	76250.	40.33	-.5759	181.4	3.445	2947.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4691	34.82	155.2	58.23	138500.	5969.
Stddev	.0812	.02	.7	.30	242.	74.
%RSD	17.32	.0565	.4256	.5174	.1749	1.244

#1	.5535	34.84	154.6	58.49	138300.	5885.
#2	.4623	34.83	155.9	58.29	138400.	5997.
#3	.3915	34.80	155.2	57.90	138800.	6025.

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

Sample Name: 460-111612-D-1-A@4 Acquired: 4/9/2016 21:24:12 Type: Unk

Method: BC04012016_P(v12) 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	9536.	1628.	96.23	69.28	180.3	2.756
Stddev	40.	4.	4.32	.45	1.8	1.264
%RSD	.4219	.2229	4.490	.6432	.9986	45.86

#1	9499.	1625.	98.03	69.27	181.3	2.597
#2	9530.	1626.	91.30	68.83	178.3	1.579
#3	9579.	1632.	99.36	69.73	181.5	4.091

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	3.003	7.556	169.6	212.5	12.29	2.734
Stddev	2.854	1.918	.7	1.7	.35	.284
%RSD	95.03	25.38	.4105	.8040	2.887	10.38

#1	6.293	5.431	168.8	213.2	11.88	2.473
#2	1.178	8.077	169.9	210.5	12.48	2.694
#3	1.539	9.159	170.1	213.7	12.50	3.036

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

Sample Name: 460-111612-D-1-A@4 Acquired: 4/9/2016 21:24:12 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.72	21.50	722.9	883.4
Stddev	.74	.10	.6	14.6
%RSD	6.862	.4600	.0809	1.648

#1	10.51	21.42	723.6	866.8
#2	10.11	21.61	722.7	894.0
#3	11.53	21.46	722.5	889.3

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	9218.3	60240.	10292.
Stddev	31.8	333.	42.
%RSD	.34499	.55247	.40327

#1	9187.5	60108.	10257.
#2	9216.4	60618.	10338.
#3	9251.0	59993.	10281.

Sample Name: 460-111612-d-3-a@4 Acquired: 4/9/2016 21:27:55 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38540.	37.01	.0573	96.71	3.155	1654.
Stddev	358.	.63	.5160	.75	.195	29.
%RSD	.9283	1.701	900.8	.7766	6.166	1.740

#1	38170.	37.58	.5409	96.19	2.952	1625.
#2	38580.	36.33	.1170	96.36	3.173	1655.
#3	38880.	37.10	-.4860	97.57	3.339	1682.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7271	40.21	137.9	46.97	109600.	5788.
Stddev	.0382	.60	1.9	.32	1668.	59.
%RSD	5.260	1.482	1.392	.6731	1.521	1.022

#1	.7180	39.77	135.8	46.61	107900.	5720.
#2	.6942	39.97	138.1	47.22	109900.	5821.
#3	.7691	40.89	139.7	47.08	111200.	5824.

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

Sample Name: 460-111612-d-3-a@4 Acquired: 4/9/2016 21:27:55 Type: Unk

Method: BC04012016_P(v12) 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	10350.	844.3	126.7	75.70	51.56	3.458
Stddev	172.	11.4	14.8	1.05	2.00	.540
%RSD	1.664	1.354	11.68	1.386	3.874	15.60

#1	10170.	833.0	130.4	74.49	52.49	3.172
#2	10350.	844.1	110.4	76.32	49.27	3.121
#3	10510.	855.9	139.2	76.28	52.92	4.080

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	.7785	4.989	118.7	237.9	23.59	1.432
Stddev	1.274	.895	1.7	2.7	.32	.197
%RSD	163.7	17.93	1.408	1.132	1.360	13.72

#1	1.969	6.020	116.9	235.9	23.79	1.566
#2	.9314	4.533	119.3	236.7	23.76	1.524
#3	-.5652	4.415	120.1	240.9	23.22	1.207

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

Sample Name: 460-111612-d-3-a@4 Acquired: 4/9/2016 21:27:55 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	11.32	12.60	503.9	727.5
Stddev	.64	.12	4.5	14.6
%RSD	5.673	.9312	.8946	2.005

#1	10.73	12.50	499.1	719.8
#2	11.23	12.73	504.7	744.3
#3	12.00	12.58	508.0	718.3

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	9209.9	60310.	10333.
Stddev	30.2	784.	133.
%RSD	.32820	1.2993	1.2862

#1	9195.5	61007.	10421.
#2	9244.7	60461.	10397.
#3	9189.6	59461.	10180.

Sample Name: CCV Acquired: 4/9/2016 21:31:40 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125000.	2353.	1168.	9916.	985.3	118000.
Stddev	426.	3.	2.	9.	2.3	653.
%RSD	.3411	.1410	.1727	.0878	.2355	.5530

#1	124600.	2355.	1166.	9906.	982.8	117400.
#2	125100.	2354.	1170.	9922.	985.7	118700.
#3	125400.	2349.	1167.	9920.	987.4	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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1218.	2409.	4695.	11590.	95130.	50720.
Stddev	2.	3.	16.	20.	445.	220.
%RSD	.1692	.1267	.3414	.1738	.4672	.4335

#1	1215.	2406.	4684.	11600.	94740.	50480.
#2	1219.	2412.	4713.	11560.	95610.	50770.
#3	1218.	2409.	4687.	11600.	95050.	50920.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/9/2016 21:31:40 Type: QC
Method: BC04012016_P(v12) 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	117800.	4852.	127000.	2450.	7249.	934.7
Stddev	546.	18.	14.	7.	18.	3.0
%RSD	.4630	.3701	.0110	.2984	.2442	.3254

#1	117300.	4836.	127000.	2442.	7229.	935.2
#2	118300.	4871.	127000.	2456.	7263.	937.4
#3	117800.	4849.	127000.	2452.	7255.	931.4

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	2346.	2450.	2369.	2478.	923.0	2356.
Stddev	4.	6.	7.	8.	2.0	3.
%RSD	.1645	.2362	.3115	.3119	.2163	.1469

#1	2350.	2446.	2364.	2469.	921.9	2357.
#2	2344.	2457.	2377.	2483.	921.8	2359.
#3	2343.	2448.	2364.	2482.	925.3	2352.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/9/2016 21:31:40 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	959.1	5068.	9535.	9344.
Stddev	2.9	8.	18.	33.
%RSD	.3049	.1571	.1835	.3569

#1	957.0	5063.	9529.	9365.
#2	957.9	5065.	9555.	9362.
#3	962.5	5077.	9522.	9306.

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	8546.4	56216.	9780.4
Stddev	30.9	366.	125.4
%RSD	.36117	.65187	1.2821

#1	8580.2	56551.	9920.1
#2	8539.5	55825.	9743.3
#3	8519.6	56273.	9677.6

Sample Name: CCB Acquired: 4/9/2016 21:35:09 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.558	.3234	.1685	2.209	.0607	43.25
Stddev	7.760	.6995	.3768	3.879	.1675	3.57
%RSD	303.3	216.3	223.6	175.5	275.8	8.244

#1	2.548	.4052	-.2512	6.688	.2142	47.37
#2	-5.196	-.4134	.4775	.0332	.0858	41.11
#3	10.32	.9784	.2793	-.0924	-.1179	41.28

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3024	.5600	.2055	1.377	3.211	4.506
Stddev	.5120	1.004	.2659	.884	2.400	24.64
%RSD	169.3	179.3	129.4	64.16	74.74	546.7

#1	.8905	1.717	.4482	2.303	3.642	10.21
#2	-.0442	.0494	-.0787	1.286	.6247	25.79
#3	.0608	-.0864	.2471	.5431	5.366	-22.48

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

Sample Name: CCB Acquired: 4/9/2016 21:35:09 Type: QC
Method: BC04012016_P(v12) 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	7.418	.2378	42.05	.4993	1.864	-1.757
Stddev	7.095	.1335	10.64	.6794	3.679	2.560
%RSD	95.64	56.15	25.30	136.1	197.4	145.7

#1	15.17	.3870	54.34	1.282	6.074	1.199
#2	5.830	.1298	35.96	.0656	.2572	-3.227
#3	1.252	.1965	35.86	.1499	-.7386	-3.243

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	3.250	3.787	.1473	.7225	1.651	1.154
Stddev	2.604	2.384	.2941	.9880	1.053	.877
%RSD	80.14	62.94	199.6	136.8	63.80	76.00

#1	6.001	1.109	.0316	1.863	2.791	2.162
#2	.8226	4.578	-.0713	.1357	1.447	.7392
#3	2.926	5.675	.4816	.1686	.7146	.5617

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

Sample Name: CCB Acquired: 4/9/2016 21:35:09 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7780	.0974	.9936	9.067
Stddev	.7335	.2230	.3655	10.13
%RSD	94.28	228.8	36.78	111.7

#1	1.428	.3442	1.296	12.17
#2	-.0170	-.0896	.5873	17.28
#3	.9226	.0378	1.098	-2.247

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	9108.6	59544.	10033.
Stddev	28.6	261.	58.
%RSD	.31432	.43879	.57870

#1	9081.5	59565.	10047.
#2	9105.7	59272.	9969.5
#3	9138.6	59794.	10083.

Sample Name: CCVL Acquired: 4/9/2016 21:39:03 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	198.9	12.76	9.320	205.9	1.914	4861.
Stddev	12.6	1.09	.512	.7	.086	12.
%RSD	6.319	8.537	5.495	.3206	4.484	.2554

#1	200.3	13.69	9.731	206.0	1.884	4849.
#2	210.7	11.56	8.746	206.4	1.847	4874.
#3	185.7	13.04	9.482	205.2	2.011	4861.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.158	50.94	9.347	24.07	163.7	5048.
Stddev	.024	.43	.579	.81	6.2	33.
%RSD	.5820	.8423	6.195	3.371	3.809	.6616

#1	4.182	51.22	9.191	23.58	157.4	5027.
#2	4.157	51.15	8.862	25.01	169.8	5087.
#3	4.134	50.44	9.988	23.63	163.8	5031.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/9/2016 21:39:03 Type: QC
Method: BC04012016_P(v12) 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	4732.	15.65	5139.	41.07	9.998	17.04
Stddev	82.	.36	11.	1.03	.855	1.38
%RSD	1.738	2.281	.2046	2.521	8.548	8.106

#1	4640.	15.24	5127.	42.19	10.83	17.09
#2	4796.	15.88	5143.	40.86	9.125	18.40
#3	4762.	15.84	5146.	40.15	10.04	15.64

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	22.10	24.27	49.24	31.14	46.91	18.64
Stddev	.38	2.04	.20	.20	.33	.33
%RSD	1.731	8.422	.3992	.6432	.7073	1.760

#1	22.25	26.32	49.09	31.28	46.87	18.69
#2	21.67	22.23	49.47	31.23	47.27	18.94
#3	22.39	24.25	49.18	30.91	46.61	18.29

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/9/2016 21:39:03 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	48.57	21.45	19.73	F .8536
Stddev	.41	.22	.46	13.45
%RSD	.8380	1.004	2.343	1576.

#1	49.03	21.29	19.20	-14.67
#2	48.25	21.69	20.05	8.948
#3	48.43	21.36	19.94	8.288

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9157.9	59784.	10026.
Stddev	40.3	119.	165.
%RSD	.43986	.19949	1.6427

#1	9111.8	59663.	9858.3
#2	9175.1	59787.	10033.
#3	9186.6	59902.	10188.

Sample Name: 460-111663-d-1-a@4 Acquired: 4/9/2016 21:42:55 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46730.	6.713	-.0705	129.2	1.120	7524.
Stddev	197.	1.189	.2591	.6	.142	43.
%RSD	.4211	17.72	367.6	.4284	12.69	.5756

#1	46540.	6.295	.1844	129.2	1.267	7510.
#2	46930.	5.789	-.3336	129.8	1.111	7572.
#3	46730.	8.055	-.0622	128.7	.9832	7489.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1280	4.061	37.12	21.34	43420.	1360.
Stddev	.0627	.117	.37	.61	150.	9.
%RSD	48.97	2.873	1.001	2.848	.3459	.6714

#1	.0837	3.963	37.06	20.64	43270.	1362.
#2	.1998	4.029	37.51	21.69	43570.	1368.
#3	.1007	4.190	36.77	21.69	43410.	1350.

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

Sample Name: 460-111663-d-1-a@4 Acquired: 4/9/2016 21:42:55 Type: Unk

Method: BC04012016_P(v12) 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	2050.	177.7	156.4	10.86	70.41	-.8614
Stddev	29.	3.1	4.0	.79	.87	1.269
%RSD	1.419	1.734	2.575	7.248	1.242	147.3

#1	2019.	174.2	158.2	11.77	69.46	-2.224
#2	2076.	179.7	159.1	10.35	70.60	-.6471
#3	2056.	179.2	151.8	10.46	71.18	.2866

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	.3405	1.399	82.48	83.75	.3577	.9224
Stddev	3.507	2.449	1.57	.78	.3856	.1901
%RSD	1030.	175.1	1.905	.9274	107.8	20.61

#1	4.330	-.0758	80.69	82.88	.8011	.8518
#2	-1.055	.0462	83.13	84.37	.1706	1.138
#3	-2.253	4.226	83.62	83.99	.1013	.7777

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

Sample Name: 460-111663-d-1-a@4 Acquired: 4/9/2016 21:42:55 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.43	46.80	440.2	957.6
Stddev	.53	.11	.9	17.7
%RSD	3.971	.2435	.2056	1.848

#1	12.81	46.67	439.2	951.8
#2	13.72	46.86	440.9	943.5
#3	13.74	46.87	440.4	977.4

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	9177.3	59970.	10231.
Stddev	59.6	538.	105.
%RSD	.64985	.89689	1.0242

#1	9118.3	59550.	10212.
#2	9176.0	59783.	10137.
#3	9237.5	60576.	10344.

Sample Name: 460-111663-d-2-a@4 Acquired: 4/9/2016 21:46:41 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26880.	3.984	-.1181	106.4	.5711	3126.
Stddev	561.	1.383	.2807	1.4	.1490	62.
%RSD	2.085	34.72	237.7	1.296	26.09	1.993

#1	26290.	3.140	.0437	104.9	.4131	3062.
#2	26930.	3.232	-.4423	106.6	.7091	3129.
#3	27410.	5.581	.0443	107.7	.5913	3186.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0047	1.933	24.17	6.263	16830.	898.7
Stddev	.0921	.143	.81	.163	200.	8.7
%RSD	1952.	7.380	3.358	2.606	1.188	.9687

#1	.0831	1.808	23.31	6.259	16660.	894.4
#2	-.0967	2.089	24.28	6.102	16770.	908.7
#3	.0278	1.903	24.92	6.429	17050.	893.1

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

Sample Name: 460-111663-d-2-a@4 Acquired: 4/9/2016 21:46:41 Type: Unk

Method: BC04012016_P(v12) 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	981.9	46.99	101.3	6.381	62.87	-1.079
Stddev	30.7	1.54	11.2	.382	1.28	.575
%RSD	3.130	3.276	11.04	5.988	2.042	53.27

#1	949.5	45.33	94.20	6.051	61.85	-1.257
#2	985.5	47.26	114.2	6.292	64.31	-.4359
#3	1011.	48.37	95.56	6.799	62.44	-1.543

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	2.725	5.026	52.98	23.87	2.650	.1425
Stddev	3.088	3.578	1.97	.64	.182	.0183
%RSD	113.3	71.18	3.711	2.676	6.853	12.81

#1	2.366	9.081	51.18	23.59	2.597	.1635
#2	-.1679	2.312	52.68	24.60	2.852	.1304
#3	5.976	3.687	55.08	23.42	2.501	.1336

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

Sample Name: 460-111663-d-2-a@4 Acquired: 4/9/2016 21:46:41 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.76	30.22	257.2	947.7
Stddev	.84	.74	4.5	29.6
%RSD	7.844	2.434	1.735	3.121

#1	11.64	29.52	252.7	919.1
#2	10.69	30.16	257.3	945.7
#3	9.955	30.98	261.6	978.2

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	9213.7	60074.	10190.
Stddev	42.9	194.	51.
%RSD	.46559	.32214	.49636

#1	9186.4	60189.	10211.
#2	9191.5	60183.	10226.
#3	9263.1	59851.	10132.

Sample Name: 460-111663-D-5-A@4 Acquired: 4/9/2016 21:58:05 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	102900.	85.44	-.5781	208.4	1.417	4535.
Stddev	148.	1.39	.1488	.6	.101	48.
%RSD	.1443	1.628	25.74	.2700	7.092	1.063

#1	103000.	83.87	-.7306	208.0	1.302	4479.
#2	102900.	86.53	-.4332	209.1	1.465	4561.
#3	102700.	85.92	-.5705	208.2	1.485	4564.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1289	7.770	92.17	22.20	112300.	2856.
Stddev	.2264	.192	.86	.61	282.	26.
%RSD	175.7	2.467	.9328	2.764	.2509	.8968

#1	.2457	7.549	91.32	21.50	112100.	2828.
#2	.2730	7.894	93.04	22.66	112200.	2877.
#3	-.1321	7.867	92.16	22.44	112600.	2865.

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

Sample Name: 460-111663-D-5-A@4 Acquired: 4/9/2016 21:58:05 Type: Unk

Method: BC04012016_P(v12) 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	3481.	88.60	310.6	19.56	65.77	-.5045
Stddev	64.	1.59	5.8	.61	1.57	.6267
%RSD	1.836	1.798	1.853	3.109	2.386	124.2

#1	3408.	86.99	315.8	20.26	67.57	.2184
#2	3528.	90.17	304.4	19.28	64.65	-.8379
#3	3506.	88.63	311.6	19.15	65.10	-.8941

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	5.602	4.096	186.2	69.10	-4.219	3.269
Stddev	2.276	1.048	2.6	.40	.558	.383
%RSD	40.64	25.58	1.413	.5799	13.22	11.72

#1	4.368	3.335	183.5	69.43	-4.643	3.107
#2	4.209	3.661	188.7	68.65	-4.427	2.994
#3	8.229	5.291	186.5	69.21	-3.587	3.707

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

Sample Name: 460-111663-D-5-A@4 Acquired: 4/9/2016 21:58:05 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	12.79	40.76	433.1	1127.
Stddev	.54	.06	.5	14.
%RSD	4.233	.1429	.1217	1.277

#1	13.41	40.82	432.5	1111.
#2	12.37	40.77	433.1	1129.
#3	12.61	40.70	433.6	1140.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9208.3	60084.	10342.
Stddev	25.3	268.	140.
%RSD	.27478	.44569	1.3502

#1	9180.7	59794.	10229.
#2	9230.4	60321.	10300.
#3	9213.7	60137.	10498.

Sample Name: 460-111610-D-3-A@4 Acquired: 4/9/2016 22:01:52 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	81270.	38.78	-.1917	357.4	2.974	5162.
Stddev	309.	.95	.1899	1.0	.067	11.
%RSD	.3804	2.440	99.07	.2782	2.258	.2169

#1	81060.	37.82	-.2649	358.4	2.976	5174.
#2	81630.	38.80	-.3341	356.4	2.906	5152.
#3	81130.	39.71	.0239	357.3	3.041	5159.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7156	36.32	68.44	57.88	60460.	1790.
Stddev	.1561	.04	.15	.23	337.	24.
%RSD	21.82	.1134	.2231	.3896	.5576	1.363

#1	.6489	36.37	68.50	57.65	60820.	1771.
#2	.6040	36.31	68.27	58.10	60400.	1818.
#3	.8940	36.29	68.55	57.91	60160.	1781.

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

Sample Name: 460-111610-D-3-A@4 Acquired: 4/9/2016 22:01:52 Type: Unk

Method: BC04012016_P(v12) 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	5778.	1694.	1273.	53.58	96.65	-2.843
Stddev	32.	8.	9.	.34	.52	1.595
%RSD	.5520	.4861	.7428	.6382	.5335	56.09

#1	5779.	1703.	1266.	53.32	97.22	-2.202
#2	5745.	1692.	1284.	53.45	96.21	-4.659
#3	5809.	1687.	1269.	53.97	96.51	-1.669

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	5.145	.0988	89.78	294.2	-.6931	2.207
Stddev	2.376	3.861	.60	.8	.2781	.117
%RSD	46.17	3909.	.6690	.2865	40.13	5.305

#1	2.954	-4.236	90.02	295.1	-.9634	2.321
#2	4.811	3.169	89.10	293.4	-.4078	2.087
#3	7.670	1.363	90.23	294.2	-.7081	2.214

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

Sample Name: 460-111610-D-3-A@4 Acquired: 4/9/2016 22:01:52 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	11.86	54.62	741.6	822.0
Stddev	.47	.46	3.4	11.8
%RSD	3.949	.8379	.4539	1.432

#1	11.46	54.14	744.5	831.0
#2	12.37	54.65	742.3	808.7
#3	11.74	55.06	737.9	826.3

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	9303.7	60808.	10478.
Stddev	53.3	641.	161.
%RSD	.57246	1.0546	1.5343

#1	9249.2	60078.	10385.
#2	9306.3	61062.	10386.
#3	9355.6	61283.	10664.

Sample Name: 460-111663-d-3-a@4 Acquired: 4/9/2016 21:50:32 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31600.	3.579	-.3808	108.4	.8358	2008.
Stddev	200.	.297	.3811	1.0	.1309	1.
%RSD	.6314	8.306	100.1	.9265	15.67	.0711

#1	31370.	3.838	-.1187	108.1	.8120	2007.
#2	31750.	3.644	-.2058	109.5	.7183	2008.
#3	31670.	3.254	-.8179	107.5	.9770	2010.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0697	2.163	26.82	8.373	21140.	904.0
Stddev	.1475	.101	.64	.155	79.	37.7
%RSD	211.5	4.657	2.386	1.854	.3745	4.170

#1	.1673	2.263	26.20	8.255	21050.	877.4
#2	.1419	2.162	27.48	8.315	21200.	947.1
#3	-.1000	2.062	26.80	8.549	21160.	887.5

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

Sample Name: 460-111663-d-3-a@4 Acquired: 4/9/2016 21:50:32 Type: Unk

Method: BC04012016_P(v12) 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	1105.	45.36	225.6	7.235	64.02	-.5775
Stddev	22.	.76	8.6	.253	1.00	1.361
%RSD	2.029	1.677	3.804	3.491	1.558	235.7

#1	1084.	44.63	217.7	7.525	65.18	-1.224
#2	1102.	45.32	224.2	7.113	63.43	-1.495
#3	1128.	46.15	234.7	7.066	63.47	.9864

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	3.048	2.750	57.80	26.33	1.066	.4197
Stddev	2.860	4.813	1.16	.19	.332	.3669
%RSD	93.85	175.0	2.011	.7101	31.17	87.42

#1	1.257	-2.783	56.74	26.12	1.250	.5826
#2	1.540	5.966	57.61	26.47	1.266	-.0004
#3	6.347	5.067	59.04	26.41	.6824	.6770

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

Sample Name: 460-111663-d-3-a@4 Acquired: 4/9/2016 21:50:32 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.36	21.59	250.7	877.5
Stddev	.26	.23	1.0	24.9
%RSD	2.465	1.061	.3868	2.838

#1	10.41	21.35	249.6	855.2
#2	10.09	21.64	251.0	873.0
#3	10.59	21.80	251.5	904.4

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	9272.3	61046.	10321.
Stddev	10.5	191.	31.
%RSD	.11300	.31311	.30166

#1	9264.8	60866.	10296.
#2	9267.7	61246.	10311.
#3	9284.2	61027.	10356.

Sample Name: 460-111663-D-4-A@4 Acquired: 4/9/2016 21:54:20 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24580.	21.86	-.2999	226.7	2.094	6500.
Stddev	323.	2.57	.3232	1.3	.147	95.
%RSD	1.314	11.75	107.8	.5855	7.037	1.467

#1	24220.	18.98	-.5321	225.4	2.177	6390.
#2	24650.	22.69	.0692	226.7	1.924	6563.
#3	24860.	23.91	-.4368	228.1	2.181	6547.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6850	12.12	26.15	55.16	23500.	1082.
Stddev	.1179	.11	.90	1.10	368.	43.
%RSD	17.21	.9313	3.460	1.994	1.567	3.953

#1	.5634	12.21	25.26	54.15	23100.	1054.
#2	.7989	11.99	26.13	55.00	23560.	1062.
#3	.6927	12.14	27.07	56.33	23830.	1132.

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

Sample Name: 460-111663-D-4-A@4 Acquired: 4/9/2016 21:54:20 Type: Unk
Method: BC04012016_P(v12) 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	902.8	72.64	337.7	29.29	159.4	-.2297
Stddev	23.4	2.09	3.4	.15	1.8	1.431
%RSD	2.590	2.882	.9981	.5074	1.130	622.9
#1	876.3	70.60	333.9	29.39	157.6	.1421
#2	911.8	72.54	339.3	29.37	159.5	.9787
#3	920.3	74.79	340.0	29.12	161.2	-1.810

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	7.453	3.806	58.54	160.4	8.739	3.832
Stddev	1.997	2.499	2.05	2.3	.171	.136
%RSD	26.80	65.64	3.500	1.437	1.959	3.545
#1	8.121	4.499	56.51	157.9	8.823	3.744
#2	9.030	5.885	58.50	160.9	8.542	3.764
#3	5.207	1.034	60.61	162.4	8.851	3.988

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

Sample Name: 460-111663-D-4-A@4 Acquired: 4/9/2016 21:54:20 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.91	87.40	339.4	1046.
Stddev	.74	.97	3.2	30.
%RSD	5.342	1.107	.9456	2.831

#1	13.05	86.38	336.3	1024.
#2	14.27	87.51	339.4	1034.
#3	14.40	88.31	342.7	1080.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9273.8	61086.	10294.
Stddev	9.6	341.	109.
%RSD	.10370	.55824	1.0597

#1	9281.8	61480.	10419.
#2	9276.6	60905.	10245.
#3	9263.2	60874.	10218.

Sample Name: 460-111663-D-6-A@4 Acquired: 4/9/2016 22:05:35 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	55070.	172.6	.0148	117.1	.4518	2723.
Stddev	186.	1.7	.5984	.4	.1567	13.
%RSD	.3379	1.009	4051.	.3565	34.70	.4634
#1	54950.	170.9	.5133	117.0	.3190	2713.
#2	54980.	174.4	-.6488	117.5	.6247	2720.
#3	55290.	172.4	.1798	116.7	.4116	2737.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0032	3.721	45.82	9.320	40950.	1486.
Stddev	.1876	.007	.53	.365	83.	26.
%RSD	5774.	.1935	1.157	3.912	.2024	1.769
#1	-.0772	3.724	45.29	8.923	41000.	1468.
#2	.2176	3.713	46.35	9.399	40850.	1474.
#3	-.1307	3.726	45.83	9.640	40990.	1516.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-6-A@4 Acquired: 4/9/2016 22:05:35 Type: Unk

Method: BC04012016_P(v12) 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	1840.	41.70	183.5	9.228	41.74	-.9800
Stddev	10.	.26	1.1	.235	.78	1.726
%RSD	.5288	.6148	.5832	2.553	1.866	176.1

#1	1836.	41.52	183.2	8.993	40.96	-2.479
#2	1832.	41.58	182.5	9.464	42.52	-1.367
#3	1851.	42.00	184.6	9.226	41.76	.9063

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	3.290	.9771	97.83	41.32	-1.452	.8633
Stddev	.191	2.650	.57	.07	.542	.1151
%RSD	5.809	271.2	.5793	.1720	37.32	13.33

#1	3.221	2.631	97.33	41.40	-1.374	.8912
#2	3.143	-2.080	97.71	41.28	-2.028	.9619
#3	3.506	2.380	98.44	41.28	-.9531	.7368

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

Sample Name: 460-111663-D-6-A@4 Acquired: 4/9/2016 22:05:35 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	12.23	21.65	288.8	1145.
Stddev	.15	.28	1.1	31.
%RSD	1.264	1.276	.3664	2.746

#1	12.05	21.34	288.9	1123.
#2	12.31	21.73	287.7	1130.
#3	12.32	21.87	289.8	1181.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9244.1	60623.	10150.
Stddev	9.3	556.	75.
%RSD	.10029	.91760	.73689

#1	9254.8	60056.	10072.
#2	9239.4	61168.	10220.
#3	9238.1	60645.	10159.

Sample Name: 460-111663-D-7-A@4 Acquired: 4/9/2016 22:09:22 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	56270.	47.39	-.3313	101.6	.6717	2271.
Stddev	194.	2.60	.6183	.6	.0293	8.
%RSD	.3442	5.480	186.6	.6286	4.356	.3522

#1	56150.	48.29	.0131	101.1	.6534	2264.
#2	56490.	49.43	-1.045	101.3	.7054	2269.
#3	56160.	44.47	.0380	102.3	.6563	2280.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0832	3.368	49.46	8.567	53230.	1809.
Stddev	.0230	.306	.70	.329	167.	8.
%RSD	27.60	9.078	1.425	3.838	.3142	.4343

#1	.0567	3.578	48.80	8.735	53060.	1800.
#2	.0970	3.508	50.20	8.778	53240.	1814.
#3	.0959	3.017	49.39	8.188	53390.	1812.

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

Sample Name: 460-111663-D-7-A@4 Acquired: 4/9/2016 22:09:22 Type: Unk

Method: BC04012016_P(v12) 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	1366.	30.18	249.4	7.597	41.11	.2045
Stddev	13.	.19	6.7	.331	.53	1.363
%RSD	.9181	.6432	2.699	4.362	1.286	666.3

#1	1352.	29.97	256.8	7.341	41.65	1.746
#2	1373.	30.35	243.7	7.479	40.59	-.2921
#3	1374.	30.22	247.8	7.971	41.09	-.8402

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	1.892	1.368	110.7	21.35	-2.276	1.359
Stddev	1.886	1.509	.7	.33	.655	.137
%RSD	99.68	110.3	.6526	1.566	28.80	10.10

#1	4.015	.5800	110.1	21.05	-1.691	1.353
#2	1.245	3.108	111.5	21.71	-2.984	1.225
#3	.4144	.4154	110.5	21.29	-2.153	1.500

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

Sample Name: 460-111663-D-7-A@4 Acquired: 4/9/2016 22:09:22 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	12.73	23.72	295.4	1179.
Stddev	.21	.12	1.2	22.
%RSD	1.621	.4919	.4027	1.890

#1	12.57	23.62	294.1	1162.
#2	12.96	23.85	295.8	1172.
#3	12.66	23.70	296.4	1204.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9254.1	60696.	10336.
Stddev	18.6	326.	41.
%RSD	.20135	.53736	.39311

#1	9272.5	60839.	10370.
#2	9254.6	60927.	10291.
#3	9235.3	60323.	10347.

Sample Name: pds460-110314-A-10-C Acquired: 4/9/2016 22:13:11 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	75920.	1733.	46.99	2794.	55.73	29880.
Stddev	379.	6.	.76	6.	.27	87.
%RSD	.4991	.3680	1.611	.2302	.4843	.2899
#1	75500.	1734.	47.51	2797.	55.46	29780.
#2	76020.	1739.	47.34	2799.	55.73	29930.
#3	76240.	1726.	46.12	2787.	56.00	29920.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.39	550.5	330.8	250.4	160700.	38100.
Stddev	.20	.9	2.2	3.1	374.	204.
%RSD	.4269	.1670	.6720	1.237	.2325	.5346
#1	47.47	551.3	333.3	254.0	160300.	37900.
#2	47.54	550.6	330.0	249.0	161000.	38090.
#3	47.16	549.5	329.1	248.3	160700.	38310.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds460-110314-A-10-C Acquired: 4/9/2016 22:13:11 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	72820.	4433.	20690.	701.0	557.1	432.7
Stddev	332.	7.	65.	4.0	.7	5.8
%RSD	.4563	.1621	.3137	.5646	.1220	1.341

#1	72440.	4426.	20620.	703.8	556.6	439.3
#2	72960.	4441.	20690.	702.8	557.8	430.4
#3	73060.	4433.	20750.	696.5	556.8	428.4

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	1769.	1930.	607.6	980.8	518.8	453.3
Stddev	11.	5.	1.6	1.2	2.2	2.8
%RSD	.6331	.2499	.2643	.1220	.4303	.6256

#1	1781.	1932.	606.4	979.4	521.3	456.4
#2	1759.	1924.	609.4	981.4	516.9	450.8
#3	1767.	1933.	607.0	981.5	518.1	452.9

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

Sample Name: pds460-110314-A-10-C Acquired: 4/9/2016 22:13:11 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	471.9	560.6	2824.	2306.
Stddev	1.0	1.6	5.	26.
%RSD	.2141	.2933	.1824	1.127

#1	473.0	559.0	2826.	2277.
#2	471.1	560.5	2828.	2327.
#3	471.5	562.3	2818.	2315.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9260.9	60795.	10388.
Stddev	31.8	48.	50.
%RSD	.34302	.07905	.47997

#1	9225.5	60761.	10438.
#2	9270.0	60775.	10389.
#3	9287.1	60850.	10338.

Sample Name: 460-110314-A-10-E MS Acquired: 4/9/2016 22:16:42 Type: Unk
 Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	82250.	869.6	20.97	1887.	31.36	19790.
Stddev	95.	1.8	.35	5.	.13	68.
%RSD	.1153	.2116	1.662	.2772	.4214	.3424

#1	82150.	871.6	21.02	1891.	31.21	19760.
#2	82250.	868.1	20.60	1889.	31.42	19870.
#3	82340.	869.1	21.29	1881.	31.45	19740.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.55	322.7	255.3	140.0	181900.	31890.
Stddev	.16	1.1	1.1	.5	276.	59.
%RSD	.6407	.3389	.4244	.3786	.1516	.1844

#1	24.50	323.3	254.3	140.4	181800.	31850.
#2	24.73	323.3	256.5	140.1	182200.	31850.
#3	24.43	321.4	255.2	139.4	181600.	31950.

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

Sample Name: 460-110314-A-10-E MS Acquired: 4/9/2016 22:16:42 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	63430.	4224.	10960.	466.4	337.3	161.6
Stddev	86.	6.	32.	1.9	3.7	1.7
%RSD	.1362	.1520	.2904	.4141	1.105	1.037

#1	63390.	4220.	10940.	468.2	338.2	162.8
#2	63530.	4232.	10950.	466.7	340.5	162.4
#3	63370.	4221.	11000.	464.4	333.2	159.7

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	838.6	963.1	400.6	734.9	316.2	220.2
Stddev	6.9	5.5	1.2	3.6	2.9	2.1
%RSD	.8267	.5680	.2964	.4910	.9109	.9609

#1	837.3	962.4	399.6	735.8	315.7	220.4
#2	846.1	968.9	401.9	738.0	319.3	222.2
#3	832.5	958.0	400.3	730.9	313.6	218.0

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

Sample Name: 460-110314-A-10-E MS Acquired: 4/9/2016 22:16:42 Type: Unk
 Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	237.3	317.0	2860.	2485.
Stddev	2.8	.2	2.	27.
%RSD	1.174	.0728	.0667	1.078

#1	236.4	317.2	2862.	2459.
#2	240.4	316.8	2860.	2484.
#3	235.0	316.8	2858.	2513.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9311.5	61538.	10324.
Stddev	22.8	139.	42.
%RSD	.24479	.22530	.40885

#1	9298.6	61555.	10326.
#2	9298.2	61392.	10365.
#3	9337.9	61667.	10281.

Sample Name: CCV Acquired: 4/9/2016 22:20:21 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126000.	2333.	1146.	9888.	983.4	115400.
Stddev	273.	8.	1.	19.	1.2	491.
%RSD	.2167	.3341	.0861	.1958	.1259	.4251

#1	125800.	2328.	1146.	9898.	982.0	115200.
#2	126300.	2329.	1146.	9866.	984.2	116000.
#3	126100.	2342.	1145.	9901.	984.1	115100.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1211.	2392.	4569.	11340.	93230.	51600.
Stddev	2.	6.	17.	25.	352.	46.
%RSD	.1651	.2349	.3796	.2226	.3774	.0893

#1	1212.	2391.	4554.	11330.	93090.	51550.
#2	1208.	2387.	4588.	11330.	93640.	51630.
#3	1212.	2398.	4566.	11370.	92980.	51620.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/9/2016 22:20:21 Type: QC
Method: BC04012016_P(v12) 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	115000.	4753.	127500.	2438.	7175.	927.3
Stddev	513.	14.	212.	5.	21.	2.8
%RSD	.4457	.2991	.1664	.2154	.2928	.3073

#1	114800.	4743.	127700.	2439.	7184.	924.1
#2	115600.	4770.	127600.	2432.	7151.	929.0
#3	114600.	4747.	127300.	2442.	7191.	929.0

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	2348.	2440.	2326.	2462.	912.0	2349.
Stddev	9.	5.	4.	5.	2.9	4.
%RSD	.3861	.2126	.1510	.2034	.3178	.1850

#1	2338.	2442.	2325.	2467.	909.0	2350.
#2	2349.	2434.	2330.	2457.	912.3	2344.
#3	2356.	2444.	2324.	2462.	914.8	2353.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/9/2016 22:20:21 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	949.7	5157.	9343.	9273.
Stddev	3.5	4.	21.	42.
%RSD	.3639	.0778	.2273	.4513

#1	949.3	5154.	9321.	9308.
#2	946.4	5161.	9363.	9226.
#3	953.3	5154.	9344.	9284.

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	8645.1	57592.	9787.7
Stddev	26.6	348.	68.6
%RSD	.30761	.60437	.70097

#1	8652.6	57710.	9865.1
#2	8667.1	57200.	9734.3
#3	8615.5	57865.	9763.7

Sample Name: CCB Acquired: 4/9/2016 22:23:49 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.98	-.5252	.1284	.2637	.2088	47.43
Stddev	22.35	1.523	.7285	.2456	.1407	4.43
%RSD	117.8	290.0	567.4	93.13	67.40	9.348

#1	44.69	-2.258	-.7041	.4351	.3701	47.78
#2	8.023	.6010	.4403	.3738	.1118	51.68
#3	4.209	.0816	.6490	-.0177	.1444	42.83

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1004	-.0288	.3266	1.043	4.933	28.88
Stddev	.0381	.2512	.2687	.458	4.713	45.92
%RSD	37.96	873.2	82.28	43.88	95.55	159.0

#1	.1104	-.0152	.6320	.7202	4.504	78.36
#2	.1326	.2154	.2211	1.566	9.846	20.63
#3	.0583	-.2865	.1266	.8417	.4485	-12.36

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

Sample Name: CCB Acquired: 4/9/2016 22:23:49 Type: QC
Method: BC04012016_P(v12) 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	9.344	.2847	53.11	-.1435	.2565	-1.839
Stddev	1.303	.0771	42.26	.4545	.2522	1.486
%RSD	13.94	27.07	79.56	316.7	98.32	80.82

#1	8.354	.2697	100.5	-.2534	.0062	-.9687
#2	8.858	.3682	39.45	.3559	.2529	-3.555
#3	10.82	.2162	19.38	-.5330	.5106	-.9929

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	2.331	2.776	-.0303	.0871	1.508	.5399
Stddev	1.544	.474	.0858	.1290	.696	.2324
%RSD	66.25	17.08	283.4	148.1	46.14	43.04

#1	.6371	2.887	.0088	.0111	1.945	.6922
#2	3.660	2.256	.0291	.2361	1.874	.2724
#3	2.694	3.185	-.1287	.0142	.7058	.6550

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

Sample Name: CCB Acquired: 4/9/2016 22:23:49 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1603	.8661	.8322	9.995
Stddev	.6338	1.159	.1746	11.06
%RSD	395.4	133.8	20.98	110.7

#1	.7463	2.204	.6474	9.051
#2	-.5124	.1755	.9944	21.50
#3	.2469	.2188	.8548	-.5636

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	9130.1	59913.	10046.
Stddev	27.7	498.	96.
%RSD	.30387	.83138	.95943

#1	9117.3	59666.	9956.5
#2	9161.9	60487.	10148.
#3	9111.0	59587.	10033.

Sample Name: CCVL Acquired: 4/9/2016 22:27:44 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	195.5	14.33	9.332	206.3	2.120	4848.
Stddev	3.6	2.45	.139	.6	.029	12.
%RSD	1.837	17.11	1.486	.3105	1.389	.2376

#1	191.3	15.92	9.256	206.4	2.154	4859.
#2	197.8	11.51	9.248	206.9	2.107	4849.
#3	197.3	15.57	9.492	205.7	2.100	4836.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.112	50.58	9.410	23.65	152.5	5075.
Stddev	.046	.42	.181	.20	3.7	64.
%RSD	1.125	.8251	1.921	.8527	2.421	1.270

#1	4.165	51.06	9.213	23.45	156.7	5027.
#2	4.080	50.39	9.450	23.86	149.5	5050.
#3	4.092	50.29	9.567	23.64	151.4	5148.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/9/2016 22:27:44 Type: QC
Method: BC04012016_P(v12) 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	4663.	15.41	5143.	41.26	10.86	16.71
Stddev	30.	.07	31.	.54	1.64	.66
%RSD	.6494	.4833	.5937	1.314	15.11	3.932

#1	4629.	15.34	5110.	41.44	10.16	16.32
#2	4673.	15.49	5170.	40.65	9.684	17.47
#3	4688.	15.41	5150.	41.69	12.73	16.35

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	19.49	23.05	48.48	31.32	46.09	18.83
Stddev	1.36	.09	.36	.13	.62	.17
%RSD	6.991	.3770	.7334	.4185	1.343	.9280

#1	20.68	22.95	48.09	31.46	46.62	19.01
#2	19.78	23.09	48.57	31.30	46.23	18.66
#3	18.00	23.10	48.79	31.20	45.41	18.83

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/9/2016 22:27:44 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	48.50	21.57	19.25	F -2.625
Stddev	.79	.34	.21	17.16
%RSD	1.633	1.556	1.078	653.8

#1	48.39	21.30	19.03	-21.17
#2	49.34	21.46	19.45	12.70
#3	47.76	21.95	19.27	.5950

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9192.1	60536.	10044.
Stddev	28.6	291.	54.
%RSD	.31066	.48104	.53929

#1	9198.5	60232.	10102.
#2	9216.8	60813.	9994.1
#3	9160.8	60563.	10037.

Sample Name: 460-110314-A-10-D DU Acquired: 4/9/2016 22:31:36 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	76990.	14.88	-.4244	947.7	7.370	11580.
Stddev	314.	.87	.1909	2.9	.115	54.
%RSD	.4073	5.832	44.98	.3054	1.560	.4629

#1	76990.	13.88	-.6284	949.7	7.497	11520.
#2	77300.	15.34	-.3946	949.2	7.339	11600.
#3	76670.	15.42	-.2501	944.4	7.274	11620.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.759	95.20	165.7	32.00	188700.	20560.
Stddev	.067	.85	.2	.19	705.	86.
%RSD	3.781	.8944	.1498	.6046	.3734	.4163

#1	1.746	94.56	165.7	31.89	187900.	20510.
#2	1.832	96.17	166.0	31.89	189100.	20660.
#3	1.701	94.88	165.5	32.22	189200.	20520.

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

Sample Name: 460-110314-A-10-D DU Acquired: 4/9/2016 22:31:36 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	55930.	4046.	1394.	239.6	110.5	5.357
Stddev	292.	14.	19.	1.4	1.6	.706
%RSD	.5220	.3529	1.355	.5957	1.489	13.18

#1	55600.	4030.	1372.	238.2	109.7	4.924
#2	56090.	4054.	1408.	241.1	112.4	6.171
#3	56120.	4055.	1400.	239.6	109.5	4.975

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	2.652	12.24	188.1	522.7	86.03	5.085
Stddev	4.387	4.62	.6	1.4	.84	.200
%RSD	165.4	37.74	.3381	.2726	.9811	3.932

#1	4.042	17.38	187.9	522.8	85.07	5.173
#2	6.176	8.427	187.5	521.3	86.38	5.225
#3	-2.261	10.92	188.8	524.1	86.64	4.856

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

Sample Name: 460-110314-A-10-D DU Acquired: 4/9/2016 22:31:36 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	7.734	74.14	2568.	1730.
Stddev	.159	.42	5.	28.
%RSD	2.057	.5613	.1766	1.619

#1	7.801	73.72	2563.	1713.
#2	7.552	74.55	2569.	1715.
#3	7.848	74.16	2572.	1763.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9394.4	62494.	10391.
Stddev	45.5	126.	174.
%RSD	.48420	.20095	1.6698

#1	9355.7	62423.	10213.
#2	9444.5	62420.	10401.
#3	9383.1	62639.	10559.

Sample Name: 460-110314-A-10-C@4 Acquired: 4/9/2016 22:35:18 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	74880.	12.81	-.1292	906.5	7.224	12100.
Stddev	41.	1.24	.4693	3.7	.092	37.
%RSD	.0549	9.683	363.4	.4106	1.274	.3088

#1	74840.	14.22	.3907	910.4	7.191	12060.
#2	74920.	11.90	-.2566	906.0	7.152	12090.
#3	74870.	12.30	-.5216	903.0	7.327	12140.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.295	91.06	150.5	30.27	159000.	20310.
Stddev	.139	.83	.2	.41	167.	40.
%RSD	10.74	.9093	.1648	1.348	.1052	.1982

#1	1.396	91.19	150.7	30.52	158800.	20360.
#2	1.352	91.81	150.2	30.49	159100.	20290.
#3	1.136	90.17	150.6	29.80	159000.	20290.

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

Sample Name: 460-110314-A-10-C@4 Acquired: 4/9/2016 22:35:18 Type: Unk

Method: BC04012016_P(v12) 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	54770.	3963.	1421.	235.1	97.56	5.167
Stddev	82.	5.	11.	.9	1.40	.701
%RSD	.1503	.1155	.7571	.4022	1.433	13.56

#1	54680.	3958.	1411.	235.6	96.32	4.988
#2	54820.	3966.	1432.	235.8	99.08	4.573
#3	54820.	3965.	1421.	234.0	97.29	5.940

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	6.039	9.873	165.5	508.4	71.65	3.586
Stddev	1.366	3.497	2.0	1.8	.81	.291
%RSD	22.63	35.42	1.234	.3598	1.127	8.104

#1	4.568	9.947	165.2	509.3	71.53	3.289
#2	7.268	13.33	167.7	506.3	72.51	3.600
#3	6.280	6.340	163.6	509.6	70.91	3.870

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

Sample Name: 460-110314-A-10-C@4 Acquired: 4/9/2016 22:35:18 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	7.950	72.93	2358.	2274.
Stddev	.087	.37	4.	61.
%RSD	1.095	.5006	.1575	2.664

#1	8.027	72.52	2358.	2205.
#2	7.855	73.22	2361.	2299.
#3	7.966	73.06	2354.	2319.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9393.5	62323.	10364.
Stddev	38.4	53.	74.
%RSD	.40829	.08520	.71785

#1	9388.1	62324.	10288.
#2	9434.3	62376.	10437.
#3	9358.2	62270.	10365.

Sample Name: sd460-110314-A-10-C Acquired: 4/9/2016 22:39:00 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x20

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15530.	2.709	.1758	190.6	1.581	2617.
Stddev	17.	.914	.5567	.6	.089	5.
%RSD	.1076	33.74	316.7	.2991	5.637	.2054

#1	15520.	2.938	.8167	190.0	1.680	2613.
#2	15520.	3.488	-.1883	191.1	1.555	2615.
#3	15550.	1.703	-.1010	190.9	1.507	2623.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2348	19.14	31.53	7.156	33700.	4207.
Stddev	.0956	.25	.24	.416	70.	28.
%RSD	40.70	1.307	.7667	5.813	.2086	.6646

#1	.2976	19.37	31.72	7.000	33620.	4185.
#2	.1248	18.87	31.61	7.628	33750.	4238.
#3	.2821	19.19	31.26	6.841	33730.	4197.

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

Sample Name: sd460-110314-A-10-C Acquired: 4/9/2016 22:39:00 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x20

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11450.	844.4	290.8	49.42	21.67	.2119
Stddev	32.	2.1	6.5	.47	.54	.9635
%RSD	.2751	.2472	2.221	.9611	2.512	454.8
#1	11420.	842.0	289.9	49.86	21.04	.7213
#2	11480.	845.5	284.7	48.92	21.92	.8138
#3	11460.	845.7	297.6	49.49	22.04	-.8994

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	.7284	3.982	34.44	108.7	14.69	-.1126
Stddev	2.907	2.436	.74	.3	.66	.2069
%RSD	399.0	61.19	2.160	.3066	4.479	183.7
#1	-1.992	6.573	33.71	109.0	13.94	-.3515
#2	.3870	1.738	35.20	108.7	14.97	.0023
#3	3.791	3.633	34.42	108.4	15.17	.0113

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

Sample Name: sd460-110314-A-10-C Acquired: 4/9/2016 22:39:00 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x20

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.366	14.94	490.0	464.7
Stddev	.499	.02	.7	21.6
%RSD	36.55	.1511	.1352	4.659

#1	1.577	14.92	489.3	472.2
#2	.7956	14.97	490.4	481.6
#3	1.725	14.94	490.4	440.3

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	9269.3	60814.	10169.
Stddev	32.3	259.	39.
%RSD	.34878	.42547	.38281

#1	9244.8	60584.	10127.
#2	9257.2	60764.	10203.
#3	9306.0	61094.	10178.

Sample Name: MB 460-361487/1-A@2 Acquired: 4/9/2016 22:42:47 Type: QC

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.124	-.8065	.4089	.0085	.1322	53.68
Stddev	7.769	.5120	.3607	.1909	.0684	4.10
%RSD	188.4	63.48	88.22	2259.	51.72	7.647

#1	-9.646	-.7414	.3305	-.0662	.0574	50.49
#2	4.760	-1.348	.8023	.2254	.1478	58.32
#3	-7.485	-.3301	.0938	-.1338	.1914	52.25

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0065	-.1312	.2539	.8041	25.00	-46.29
Stddev	.1722	.1839	.1427	.1498	5.90	11.03
%RSD	2662.	140.2	56.22	18.63	23.61	23.83

#1	-.1796	.0796	.1304	.7075	26.50	-34.11
#2	-.0046	-.2143	.2210	.7281	30.00	-49.14
#3	.1648	-.2589	.4101	.9766	18.49	-55.61

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

Sample Name: MB 460-361487/1-A@2 Acquired: 4/9/2016 22:42:47 Type: QC

Method: BC04012016_P(v12) 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	5.233	.2501	20.51	-.3748	1.190	-.7580
Stddev	2.082	.1315	8.62	.6841	.628	2.508
%RSD	39.78	52.58	42.01	182.5	52.73	330.8

#1	2.843	.3888	11.50	-.7936	1.300	2.118
#2	6.647	.2343	28.67	.4146	.5149	-2.488
#3	6.211	.1272	21.36	-.7454	1.755	-1.904

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	3.110	3.613	.0059	.8238	1.168	-1.188
Stddev	.876	.878	.1786	.0902	.182	.084
%RSD	28.16	24.30	3045.	10.94	15.58	7.052

#1	4.120	2.672	-.2003	.7200	1.272	-1.259
#2	2.639	4.410	.1134	.8829	1.273	-1.208
#3	2.570	3.756	.1046	.8685	.9576	-1.095

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

Sample Name: MB 460-361487/1-A@2 Acquired: 4/9/2016 22:42:47 Type: QC

Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.40	.0080	-.5253	13.84
Stddev	.42	.0560	.1159	12.33
%RSD	3.999	700.2	22.05	89.13

#1	9.990	-.0112	-.6531	22.27
#2	10.39	.0711	-.4271	-.3186
#3	10.82	-.0358	-.4959	19.56

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	9219.7	61246.	10058.
Stddev	36.5	438.	83.
%RSD	.39604	.71468	.82093

#1	9181.2	60742.	10125.
#2	9253.9	61527.	10084.
#3	9224.0	61470.	9966.0

Sample Name: LCSSRM 460-361487/2- Acquired: 4/9/2016 22:46:42 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33750.	672.5	139.4	1061.	496.9	26560.
Stddev	84.	2.2	1.3	1.	1.7	61.
%RSD	.2482	.3310	.9422	.0756	.3341	.2296

#1	33660.	674.5	137.9	1060.	495.0	26570.
#2	33820.	672.7	140.2	1062.	498.2	26490.
#3	33760.	670.1	140.2	1060.	497.5	26610.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	442.4	797.1	676.3	802.0	68800.	11290.
Stddev	.6	.5	1.1	1.0	127.	11.
%RSD	.1373	.0664	.1683	.1294	.1848	.0979

#1	442.4	797.1	675.8	801.0	68860.	11290.
#2	443.0	797.6	675.4	801.8	68660.	11280.
#3	441.8	796.6	677.6	803.1	68890.	11300.

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

Sample Name: LCSSRM 460-361487/2- Acquired: 4/9/2016 22:46:42 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11140.	1537.	4344.	692.7	740.6	555.6
Stddev	11.	2.	18.	.9	1.9	.7
%RSD	.0973	.1245	.4072	.1309	.2573	.1290

#1	11130.	1538.	4327.	693.2	738.5	556.3
#2	11130.	1534.	4362.	693.3	742.2	555.6
#3	11150.	1538.	4342.	691.7	741.2	554.8

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	843.6	763.6	539.4	991.8	615.9	597.4
Stddev	5.0	7.2	1.6	4.0	6.2	5.8
%RSD	.5921	.9426	.3026	.4023	1.002	.9764

#1	839.4	756.4	541.3	994.6	610.8	595.0
#2	849.1	770.8	538.3	993.6	622.8	604.1
#3	842.4	763.5	538.8	987.2	614.2	593.2

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

Sample Name: LCSSRM 460-361487/2- Acquired: 4/9/2016 22:46:42 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	749.0	552.6	1313.	2174.
Stddev	7.5	1.0	2.	30.
%RSD	1.003	.1829	.1703	1.401

#1	745.5	552.6	1315.	2170.
#2	757.7	553.7	1311.	2206.
#3	743.9	551.7	1314.	2145.

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	9292.4	61636.	10115.
Stddev	27.1	292.	22.
%RSD	.29204	.47321	.21339

#1	9268.5	61428.	10102.
#2	9286.7	61969.	10140.
#3	9321.9	61510.	10104.

Sample Name: 460-110314-A-2-G@4 Acquired: 4/9/2016 22:50:16 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	65540.	15.70	-.6984	395.9	5.399	6804.
Stddev	129.	.91	.2696	1.2	.091	25.
%RSD	.1963	5.825	38.60	.3136	1.691	.3602

#1	65620.	14.75	-.9014	396.6	5.306	6818.
#2	65600.	15.78	-.8012	396.5	5.488	6776.
#3	65390.	16.57	-.3925	394.4	5.403	6818.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.237	77.96	139.1	55.75	165600.	15900.
Stddev	.198	.76	1.6	.76	731.	65.
%RSD	16.02	.9704	1.185	1.360	.4412	.4096

#1	1.270	78.67	137.4	54.96	165900.	15900.
#2	1.416	78.04	139.3	56.48	164800.	15960.
#3	1.024	77.16	140.7	55.80	166200.	15830.

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

Sample Name: 460-110314-A-2-G@4 Acquired: 4/9/2016 22:50:16 Type: Unk

Method: BC04012016_P(v12) 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	42240.	3046.	818.2	182.7	92.94	5.312
Stddev	262.	12.	8.6	1.5	1.62	1.690
%RSD	.6198	.3884	1.054	.8262	1.746	31.82

#1	42410.	3048.	828.1	184.3	93.14	3.411
#2	41940.	3033.	814.0	182.4	91.22	5.883
#3	42360.	3056.	812.4	181.3	94.45	6.644

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	3.742	9.788	166.4	435.5	68.74	4.745
Stddev	1.954	2.649	1.7	2.0	.30	.292
%RSD	52.23	27.07	1.034	.4633	.4329	6.150

#1	4.894	8.580	164.9	435.0	69.01	4.590
#2	4.846	7.958	166.0	437.8	68.78	4.564
#3	1.485	12.83	168.3	433.8	68.42	5.082

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

Sample Name: 460-110314-A-2-G@4 Acquired: 4/9/2016 22:50:16 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	7.383	52.62	2453.	1495.
Stddev	.195	.10	4.	33.
%RSD	2.646	.1815	.1797	2.175

#1	7.470	52.58	2449.	1459.
#2	7.159	52.73	2453.	1522.
#3	7.520	52.55	2458.	1504.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9275.1	61373.	10202.
Stddev	25.2	904.	165.
%RSD	.27156	1.4733	1.6144

#1	9246.6	60544.	10013.
#2	9294.3	62337.	10309.
#3	9284.5	61236.	10285.

Sample Name: 460-110314-A-4-C@ Acquired: 4/9/2016 22:53:59 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	60730.	12.89	.6450	597.6	3.787	2800.
Stddev	902.	1.76	.2290	9.4	.174	36.
%RSD	1.485	13.65	35.51	1.575	4.595	1.272

#1	59810.	13.04	.5349	588.4	3.597	2761.
#2	60780.	11.06	.4918	597.2	3.826	2808.
#3	61610.	14.57	.9082	607.2	3.938	2831.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.090	64.35	123.3	34.65	148500.	9440.
Stddev	.043	1.17	1.8	.44	2052.	163.
%RSD	3.991	1.822	1.469	1.262	1.381	1.723

#1	1.115	63.18	121.2	34.15	146500.	9263.
#2	1.040	64.35	124.3	34.83	148400.	9475.
#3	1.116	65.52	124.4	34.96	150600.	9583.

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

Sample Name: 460-110314-A-4-C@ Acquired: 4/9/2016 22:53:59 Type: Unk

Method: BC04012016_P(v12) 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	27440.	6892.	645.5	151.4	80.78	6.371
Stddev	389.	95.	23.7	3.0	1.60	1.664
%RSD	1.416	1.379	3.673	1.986	1.975	26.11

#1	27090.	6801.	618.2	148.6	79.14	7.889
#2	27380.	6883.	660.4	150.9	80.89	6.633
#3	27860.	6991.	658.0	154.6	82.32	4.592

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	4.313	11.43	147.2	308.9	30.39	3.893
Stddev	1.907	1.81	2.2	7.5	.85	.213
%RSD	44.21	15.80	1.484	2.430	2.811	5.464

#1	4.726	12.83	144.7	301.3	29.92	3.684
#2	2.234	9.394	148.0	309.0	29.88	4.109
#3	5.979	12.07	148.8	316.3	31.38	3.886

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

Sample Name: 460-110314-A-4-C@ Acquired: 4/9/2016 22:53:59 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.417	25.53	1281.	1056.
Stddev	.372	.61	16.	44.
%RSD	15.38	2.372	1.285	4.188

#1	2.787	24.87	1264.	1005.
#2	2.419	25.66	1281.	1078.
#3	2.044	26.07	1297.	1086.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9283.4	61288.	10358.
Stddev	15.6	327.	128.
%RSD	.16778	.53385	1.2328

#1	9290.4	60914.	10249.
#2	9265.6	61520.	10498.
#3	9294.4	61431.	10326.

Sample Name: 460-110314-A-13-C@4 Acquired: 4/9/2016 22:57:43 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50390.	9.310	-.2905	183.7	2.848	2247.
Stddev	383.	.803	.1371	.5	.079	13.
%RSD	.7600	8.625	47.21	.2921	2.759	.5702

#1	50000.	8.418	-.1467	183.1	2.934	2232.
#2	50390.	9.975	-.3048	184.1	2.780	2253.
#3	50770.	9.539	-.4199	183.9	2.830	2255.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6593	51.80	105.5	71.87	104900.	7318.
Stddev	.0554	.33	.3	.21	464.	68.
%RSD	8.409	.6357	.2650	.2860	.4422	.9261

#1	.6110	51.55	105.2	71.68	104400.	7268.
#2	.6471	52.17	105.5	72.09	105000.	7291.
#3	.7198	51.67	105.8	71.83	105300.	7395.

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

Sample Name: 460-110314-A-13-C@4 Acquired: 4/9/2016 22:57:43 Type: Unk

Method: BC04012016_P(v12) 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	25690.	1759.	1027.	114.3	49.65	3.609
Stddev	148.	7.	13.	.7	.49	2.239
%RSD	.5765	.3802	1.242	.6219	.9959	62.05

#1	25520.	1751.	1017.	113.5	49.66	4.758
#2	25750.	1760.	1041.	114.9	49.15	1.028
#3	25800.	1765.	1023.	114.4	50.14	5.040

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	1.222	6.559	114.7	266.0	24.52	1.824
Stddev	2.065	1.893	1.1	1.7	.30	.245
%RSD	168.9	28.86	.9397	.6435	1.227	13.41

#1	.2881	8.737	113.5	264.1	24.22	1.791
#2	-.2105	5.308	114.8	267.5	24.82	2.083
#3	3.588	5.632	115.6	266.3	24.53	1.597

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

Sample Name: 460-110314-A-13-C@4 Acquired: 4/9/2016 22:57:43 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.221	30.41	1589.	1123.
Stddev	.567	.28	5.	25.
%RSD	17.61	.9085	.3058	2.208

#1	3.738	30.10	1584.	1095.
#2	3.310	30.50	1590.	1130.
#3	2.614	30.62	1594.	1143.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9352.6	62144.	10392.
Stddev	14.6	160.	25.
%RSD	.15664	.25779	.23950

#1	9339.4	61961.	10412.
#2	9350.2	62258.	10364.
#3	9368.4	62214.	10399.

Sample Name: 460-110314-A-14-C@4 Acquired: 4/9/2016 23:01:25 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	66410.	19.17	-.4325	376.2	5.371	12540.
Stddev	804.	.95	.3986	2.4	.088	99.
%RSD	1.210	4.982	92.16	.6337	1.645	.7863

#1	65630.	19.74	-.8789	373.8	5.285	12450.
#2	66370.	19.70	-.1126	376.2	5.368	12520.
#3	67240.	18.07	-.3059	378.5	5.461	12650.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.930	94.39	135.2	66.45	162700.	13300.
Stddev	.088	1.20	1.3	.45	1248.	198.
%RSD	4.578	1.269	.9292	.6841	.7667	1.490

#1	1.993	93.30	133.9	65.96	161600.	13090.
#2	1.968	94.19	135.3	66.85	162600.	13350.
#3	1.829	95.67	136.4	66.53	164100.	13480.

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

Sample Name: 460-110314-A-14-C@4 Acquired: 4/9/2016 23:01:25 Type: Unk

Method: BC04012016_P(v12) 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	50420.	2658.	1139.	237.1	93.14	6.185
Stddev	446.	23.	22.	2.8	1.19	2.370
%RSD	.8846	.8828	1.947	1.183	1.277	38.32

#1	50030.	2637.	1116.	234.1	92.97	3.635
#2	50310.	2655.	1140.	237.4	92.05	8.320
#3	50910.	2683.	1160.	239.7	94.41	6.599

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	3.281	9.244	156.4	523.3	56.59	3.599
Stddev	3.537	.315	1.3	5.3	1.01	.278
%RSD	107.8	3.406	.8136	1.009	1.778	7.722

#1	6.798	9.183	155.1	517.9	56.05	3.322
#2	-2.756	9.585	156.4	523.7	55.97	3.599
#3	3.321	8.964	157.7	528.4	57.75	3.877

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

Sample Name: 460-110314-A-14-C@4 Acquired: 4/9/2016 23:01:25 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.407	86.38	1521.	926.2
Stddev	.750	1.15	13.	13.8
%RSD	31.16	1.331	.8824	1.490

#1	3.206	85.12	1507.	910.9
#2	1.718	86.64	1521.	929.8
#3	2.298	87.37	1534.	937.8

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	9422.8	63340.	10595.
Stddev	20.2	380.	49.
%RSD	.21450	.59973	.46183

#1	9428.7	62932.	10552.
#2	9439.4	63683.	10649.
#3	9400.3	63405.	10584.

Sample Name: 460-110314-A-19-C@4 Acquired: 4/9/2016 23:05:08 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47730.	11.13	-.6288	374.9	3.853	6542.
Stddev	147.	2.13	.4706	.3	.022	29.
%RSD	.3080	19.13	74.84	.0924	.5819	.4401

#1	47820.	9.070	-.7845	375.3	3.836	6510.
#2	47810.	13.32	-.1001	374.7	3.879	6548.
#3	47560.	10.99	-1.002	374.6	3.845	6567.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8314	50.07	87.74	55.92	102200.	7518.
Stddev	.1116	.52	.49	.43	415.	65.
%RSD	13.43	1.035	.5558	.7769	.4063	.8700

#1	.7120	49.49	87.18	55.48	101800.	7484.
#2	.9332	50.49	88.01	56.35	102300.	7593.
#3	.8489	50.22	88.03	55.93	102600.	7475.

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

Sample Name: 460-110314-A-19-C@4 Acquired: 4/9/2016 23:05:08 Type: Unk

Method: BC04012016_P(v12) 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	22200.	1693.	509.4	113.3	70.79	2.749
Stddev	104.	7.	4.0	.4	.42	1.836
%RSD	.4671	.4327	.7757	.3597	.5980	66.79

#1	22080.	1685.	506.2	113.5	70.59	.6785
#2	22270.	1696.	513.8	112.8	71.27	3.389
#3	22240.	1698.	508.1	113.5	70.50	4.178

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	3.671	6.970	109.3	276.1	23.38	2.128
Stddev	1.182	3.245	1.0	2.3	.62	.105
%RSD	32.20	46.55	.8709	.8265	2.651	4.954

#1	4.887	3.308	108.2	274.0	23.58	2.215
#2	2.526	8.118	110.0	278.5	23.86	2.011
#3	3.600	9.485	109.7	275.6	22.68	2.159

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

Sample Name: 460-110314-A-19-C@4 Acquired: 4/9/2016 23:05:08 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.256	34.01	1106.	958.0
Stddev	.095	.36	4.	9.5
%RSD	2.911	1.065	.3660	.9930

#1	3.198	34.11	1102.	963.6
#2	3.365	34.31	1107.	963.4
#3	3.204	33.61	1109.	947.0

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	9432.4	62432.	10460.
Stddev	1.6	161.	99.
%RSD	.01715	.25849	.94475

#1	9432.3	62340.	10361.
#2	9430.9	62338.	10459.
#3	9434.1	62618.	10559.

Sample Name: CCV Acquired: 4/9/2016 23:08:54 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126400.	2330.	1140.	9939.	982.7	114700.
Stddev	46.	1.	1.	21.	1.0	719.
%RSD	.0360	.0637	.1244	.2119	.1015	.6271

#1	126400.	2330.	1142.	9925.	981.7	114400.
#2	126300.	2328.	1139.	9928.	982.8	114200.
#3	126400.	2331.	1140.	9963.	983.7	115500.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1215.	2400.	4524.	11330.	92770.	51860.
Stddev	4.	4.	20.	26.	449.	97.
%RSD	.2982	.1743	.4365	.2263	.4839	.1863

#1	1212.	2396.	4525.	11340.	92500.	51750.
#2	1214.	2399.	4504.	11340.	92510.	51890.
#3	1219.	2404.	4543.	11300.	93280.	51940.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/9/2016 23:08:54 Type: QC
Method: BC04012016_P(v12) 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	114300.	4732.	128100.	2443.	7194.	926.1
Stddev	529.	23.	314.	5.	15.	2.5
%RSD	.4622	.4897	.2451	.2239	.2142	.2647

#1	114000.	4720.	128500.	2437.	7188.	928.9
#2	114000.	4717.	128000.	2442.	7182.	924.6
#3	114900.	4759.	127800.	2448.	7211.	924.9

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	2351.	2462.	2312.	2465.	913.4	2360.
Stddev	5.	3.	5.	9.	3.0	1.
%RSD	.1969	.1120	.2011	.3647	.3299	.0598

#1	2357.	2465.	2310.	2457.	910.4	2359.
#2	2348.	2460.	2308.	2463.	913.4	2359.
#3	2350.	2460.	2317.	2475.	916.4	2361.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/9/2016 23:08:54 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	953.9	5194.	9308.	9351.
Stddev	1.4	10.	9.	96.
%RSD	.1438	.1921	.1015	1.024

#1	952.3	5182.	9306.	9320.
#2	954.7	5200.	9301.	9458.
#3	954.7	5199.	9319.	9274.

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	8689.8	58251.	9931.7
Stddev	18.5	570.	92.9
%RSD	.21334	.97834	.93531

#1	8710.8	58494.	9955.1
#2	8683.1	58660.	10011.
#3	8675.6	57600.	9829.4

Sample Name: CCB Acquired: 4/9/2016 23:12:22 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.75	.6503	.0549	.6351	.1360	54.04
Stddev	25.04	.2970	.1954	.7745	.1299	5.59
%RSD	182.1	45.67	355.7	121.9	95.51	10.35
#1	41.08	.7719	.2521	1.518	.2396	58.09
#2	8.241	.3118	.0513	.3183	.1781	47.66
#3	-8.079	.8671	-.1386	.0693	-.0097	56.37

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0928	.0292	.2106	1.312	9.985	.9870
Stddev	.1174	.4436	.5330	.386	1.084	27.53
%RSD	126.5	1520.	253.1	29.40	10.85	2789.
#1	.2255	.5348	.8208	1.188	10.91	31.55
#2	.0504	-.1527	-.1641	1.744	8.794	-6.746
#3	.0025	-.2946	-.0249	1.003	10.25	-21.85

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

Sample Name: CCB Acquired: 4/9/2016 23:12:22 Type: QC
Method: BC04012016_P(v12) 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	6.199	.2374	40.49	-.0004	.3866	-1.376
Stddev	6.205	.1670	22.20	.6287	1.455	.560
%RSD	100.1	70.34	54.84	160900.	376.2	40.68
#1	13.15	.3648	65.82	.6295	2.058	-1.966
#2	4.221	.2990	31.21	-.6279	-.3016	-1.310
#3	1.224	.0484	24.42	-.0028	-.5961	-.8527

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	2.621	3.433	.2165	.2332	1.395	.8735
Stddev	1.010	3.095	.4865	.1579	.098	.4047
%RSD	38.54	90.16	224.7	67.70	7.011	46.33
#1	3.720	1.219	.0411	.3824	1.492	1.247
#2	1.733	6.970	-.1580	.2492	1.397	.4437
#3	2.409	2.109	.7663	.0679	1.296	.9298

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

Sample Name: CCB Acquired: 4/9/2016 23:12:22 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1222	.6163	1.058	17.10
Stddev	.5720	.5883	.142	14.56
%RSD	468.0	95.47	13.46	85.19

#1	.5319	1.295	1.208	5.920
#2	-.3698	.2962	.9252	33.56
#3	-.5287	.2573	1.041	11.80

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	9230.1	60950.	9941.3
Stddev	8.3	249.	151.3
%RSD	.08969	.40771	1.5217

#1	9220.6	60672.	9786.5
#2	9235.8	61151.	10089.
#3	9233.8	61028.	9948.6

Sample Name: CCVL Acquired: 4/9/2016 23:16:16 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	207.4	13.52	9.090	205.6	1.992	4754.
Stddev	11.6	.46	.326	1.2	.069	10.
%RSD	5.594	3.409	3.589	.5718	3.438	.2176

#1	208.9	14.04	9.073	205.4	2.069	4765.
#2	195.2	13.37	9.424	206.9	1.936	4752.
#3	218.2	13.16	8.772	204.6	1.972	4745.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.068	50.44	9.642	23.76	148.5	5176.
Stddev	.182	.15	.364	.22	4.0	83.
%RSD	4.483	.2906	3.775	.9319	2.687	1.609

#1	4.238	50.61	9.812	23.51	145.9	5083.
#2	3.876	50.37	9.890	23.86	146.6	5202.
#3	4.091	50.35	9.224	23.91	153.1	5244.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/9/2016 23:16:16 Type: QC
Method: BC04012016_P(v12) 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	4585.	15.14	5169.	41.49	11.04	15.08
Stddev	40.	.28	19.	.96	1.03	1.34
%RSD	.8635	1.848	.3693	2.321	9.305	8.908

#1	4563.	14.87	5154.	41.84	11.06	14.61
#2	4562.	15.14	5190.	40.40	12.06	14.04
#3	4631.	15.43	5162.	42.23	10.00	16.60

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	18.75	24.38	47.68	31.23	45.83	18.51
Stddev	2.05	.80	.75	.39	.30	.43
%RSD	10.95	3.302	1.575	1.251	.6477	2.334

#1	16.42	23.47	47.39	31.67	46.00	18.93
#2	20.26	24.68	47.12	30.90	46.00	18.54
#3	19.58	24.99	48.53	31.14	45.49	18.07

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/9/2016 23:16:16 Type: QC
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	47.90	21.86	19.19	F 4.903
Stddev	.79	.23	.33	7.573
%RSD	1.656	1.038	1.709	154.4

#1	47.01	21.60	18.88	10.06
#2	48.53	21.94	19.16	8.443
#3	48.16	22.04	19.53	-3.791

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9275.8	61638.	9922.3
Stddev	33.2	292.	48.0
%RSD	.35774	.47343	.48382

#1	9243.8	61302.	9891.3
#2	9310.0	61833.	9897.9
#3	9273.7	61778.	9977.6

Sample Name: 460-110314-A-21-C@4 Acquired: 4/9/2016 23:20:08 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42550.	4.595	-.3933	67.30	.2316	25010.
Stddev	414.	1.370	.3324	.56	.0325	312.
%RSD	.9740	29.83	84.52	.8277	14.04	1.247

#1	42130.	4.463	-.2365	66.68	.2427	24730.
#2	42550.	3.295	-.1683	67.44	.1950	24970.
#3	42960.	6.027	-.7751	67.76	.2571	25350.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7939	58.57	104.8	399.7	87600.	6005.
Stddev	.1257	1.06	1.4	5.5	1125.	103.
%RSD	15.83	1.812	1.368	1.378	1.284	1.713

#1	.6501	57.43	103.7	393.6	86640.	5889.
#2	.8828	58.74	104.4	401.1	87330.	6041.
#3	.8487	59.53	106.4	404.4	88840.	6085.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110314-A-21-C@4 Acquired: 4/9/2016 23:20:08 Type: Unk

Method: BC04012016_P(v12) 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	29560.	687.1	3198.	122.7	9.164	.3136
Stddev	362.	7.8	61.	2.1	.799	1.411
%RSD	1.225	1.138	1.904	1.687	8.719	449.9

#1	29240.	680.0	3131.	120.8	10.08	1.650
#2	29480.	685.9	3214.	122.5	8.630	-1.161
#3	29950.	695.5	3249.	124.9	8.780	.4517

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	1.013	3.636	477.5	133.6	37.74	.9582
Stddev	3.683	.779	5.8	2.1	.84	.4426
%RSD	363.4	21.43	1.216	1.567	2.214	46.19

#1	-3.230	4.091	472.3	131.3	36.87	.5604
#2	3.380	2.736	476.5	134.2	37.81	.8791
#3	2.891	4.081	483.8	135.4	38.54	1.435

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110314-A-21-C@4 Acquired: 4/9/2016 23:20:08 Type: Unk

Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.308	104.6	2269.	434.2
Stddev	.259	1.8	31.	20.8
%RSD	6.021	1.683	1.362	4.786

#1	4.164	102.6	2237.	415.9
#2	4.607	105.2	2273.	429.9
#3	4.152	105.9	2298.	456.8

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	9171.9	61069.	10118.
Stddev	51.1	668.	144.
%RSD	.55732	1.0936	1.4202

#1	9115.8	60304.	9953.8
#2	9184.1	61540.	10223.
#3	9215.8	61362.	10176.

Sample Name: 460-111539-A-1-B@4 Acquired: 4/9/2016 23:23:53 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12740.	8.473	-.0283	83.26	.8219	1524.
Stddev	185.	.938	.2771	1.16	.0389	13.
%RSD	1.452	11.07	979.3	1.393	4.733	.8702

#1	12570.	9.326	-.1562	82.32	.8322	1510.
#2	12730.	7.468	-.2183	82.90	.8546	1527.
#3	12930.	8.625	.2896	84.56	.7789	1536.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.644	11.25	22.30	39.91	35430.	868.1
Stddev	.044	.10	.19	.55	353.	6.7
%RSD	2.693	.8833	.8398	1.383	.9959	.7663

#1	1.633	11.18	22.15	39.30	35040.	862.5
#2	1.607	11.37	22.51	40.04	35530.	875.5
#3	1.693	11.21	22.25	40.39	35720.	866.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111539-A-1-B@4 Acquired: 4/9/2016 23:23:53 Type: Unk

Method: BC04012016_P(v12) 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	2298.	512.7	101.3	46.42	139.1	.9913
Stddev	24.	5.7	3.1	.72	.8	.8135
%RSD	1.046	1.120	3.056	1.556	.5559	82.06

#1	2274.	506.6	98.09	46.00	138.2	1.318
#2	2298.	513.7	101.4	47.26	139.5	.0653
#3	2322.	517.9	104.3	46.01	139.6	1.591

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	5.360	1.233	36.45	396.0	-.3066	.3661
Stddev	3.038	1.662	.48	4.1	.3707	.1328
%RSD	56.69	134.8	1.323	1.040	120.9	36.28

#1	7.814	-.0845	36.07	391.3	.0544	.3301
#2	1.961	3.101	36.28	397.8	-.6863	.2549
#3	6.305	.6833	36.99	398.9	-.2879	.5131

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111539-A-1-B@4 Acquired: 4/9/2016 23:23:53 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.303	8.894	396.3	532.1
Stddev	.686	.177	4.1	13.5
%RSD	10.89	1.993	1.032	2.538

#1	5.510	8.715	392.2	522.5
#2	6.696	8.897	396.6	547.5
#3	6.701	9.070	400.3	526.2

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	9399.6	62849.	10327.
Stddev	40.9	364.	52.
%RSD	.43550	.57992	.50076

#1	9362.4	62618.	10371.
#2	9393.1	62661.	10340.
#3	9443.5	63270.	10270.

Sample Name: 460-111539-A-2-B@4 Acquired: 4/9/2016 23:27:41 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13890.	14.88	.5207	386.5	.7218	10850.
Stddev	14.	.96	.3755	1.6	.1438	22.
%RSD	.0980	6.475	72.12	.4151	19.92	.2023

#1	13900.	15.53	.2703	387.6	.8868	10870.
#2	13870.	15.33	.3393	387.2	.6234	10820.
#3	13880.	13.77	.9525	384.7	.6551	10850.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.64	15.25	80.95	175.8	54320.	945.5
Stddev	.14	.16	.13	.7	98.	8.9
%RSD	1.231	1.018	.1563	.4061	.1802	.9427

#1	11.55	15.12	80.85	175.0	54430.	954.0
#2	11.80	15.42	80.91	175.9	54240.	946.3
#3	11.56	15.20	81.09	176.4	54300.	936.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111539-A-2-B@4 Acquired: 4/9/2016 23:27:41 Type: Unk

Method: BC04012016_P(v12) 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	7492.	640.7	477.5	97.67	2039.	5.563
Stddev	30.	.6	2.6	.91	18.	1.029
%RSD	.3944	.0998	.5366	.9313	.8580	18.49

#1	7489.	641.5	475.1	96.76	2019.	5.103
#2	7464.	640.2	477.3	97.68	2046.	6.742
#3	7523.	640.6	480.2	98.58	2052.	4.845

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	1.835	2.264	52.78	1044.	.3520	4.311
Stddev	2.734	3.913	.51	1.	.1953	.457
%RSD	149.0	172.8	.9605	.0636	55.49	10.60

#1	4.342	2.373	52.24	1045.	.5169	3.851
#2	-1.080	-1.702	52.86	1044.	.4027	4.317
#3	2.242	6.121	53.24	1044.	.1363	4.765

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111539-A-2-B@4 Acquired: 4/9/2016 23:27:41 Type: Unk
 Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	87.44	30.26	463.5	682.4
Stddev	1.56	.06	1.0	6.8
%RSD	1.783	.1904	.2123	1.000

#1	85.76	30.22	464.2	687.0
#2	87.72	30.23	464.1	685.7
#3	88.84	30.32	462.4	674.6

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	9291.4	62021.	10183.
Stddev	29.2	509.	66.
%RSD	.31408	.81993	.64831

#1	9273.8	61482.	10123.
#2	9325.1	62493.	10254.
#3	9275.3	62088.	10171.

Sample Name: pds 460-111496-A-3-D Acquired: 4/9/2016 23:31:26 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21260.	1797.	47.88	2453.	51.43	24370.
Stddev	20.	3.	.61	3.	.35	227.
%RSD	.0946	.1528	1.269	.1223	.6773	.9321

#1	21240.	1794.	48.55	2449.	51.06	24590.
#2	21270.	1796.	47.35	2455.	51.48	24400.
#3	21280.	1799.	47.74	2454.	51.75	24130.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.92	496.5	216.6	323.0	38880.	20470.
Stddev	.16	.9	2.6	2.6	320.	74.
%RSD	.3219	.1862	1.205	.7977	.8237	.3636

#1	51.08	496.7	219.5	325.9	39180.	20390.
#2	50.93	497.2	215.8	321.6	38920.	20530.
#3	50.75	495.4	214.4	321.4	38550.	20500.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-111496-A-3-D Acquired: 4/9/2016 23:31:26 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21470.	1088.	20360.	587.7	1529.	438.7
Stddev	214.	7.	37.	1.8	4.	3.2
%RSD	.9959	.6782	.1801	.3123	.2598	.7357

#1	21690.	1095.	20340.	586.1	1533.	435.6
#2	21470.	1088.	20330.	589.7	1526.	442.1
#3	21260.	1081.	20400.	587.2	1527.	438.4

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	1819.	2026.	521.0	1478.	460.6	470.0
Stddev	2.	9.	5.0	11.	3.1	2.2
%RSD	.1370	.4358	.9627	.7563	.6795	.4778

#1	1819.	2021.	526.6	1490.	457.0	467.7
#2	1816.	2036.	519.4	1477.	462.4	472.2
#3	1821.	2020.	517.0	1467.	462.3	469.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-111496-A-3-D Acquired: 4/9/2016 23:31:26 Type: Unk
 Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	578.3	604.2	1104.	1144.
Stddev	3.2	1.3	3.	15.
%RSD	.5517	.2104	.2522	1.269

#1	579.0	603.2	1108.	1141.
#2	581.1	603.9	1103.	1130.
#3	574.9	605.6	1103.	1159.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9150.7	60704.	9871.2
Stddev	123.2	1590.	186.7
%RSD	1.3466	2.6187	1.8914

#1	9012.7	58969.	9678.5
#2	9189.4	61052.	9883.8
#3	9249.9	62091.	10051.

Sample Name: 460-111496-A-3-F MS Acquired: 4/9/2016 23:34:59 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25280.	890.5	21.63	1792.	26.55	19540.
Stddev	95.	1.7	.35	1.	.30	180.
%RSD	.3748	.1882	1.633	.0775	1.134	.9190

#1	25170.	890.5	21.23	1791.	26.21	19330.
#2	25340.	892.2	21.75	1793.	26.67	19670.
#3	25320.	888.8	21.91	1793.	26.77	19610.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27.39	258.5	131.2	209.3	75630.	11510.
Stddev	.07	.8	1.7	.1	574.	102.
%RSD	.2474	.3223	1.292	.0683	.7591	.8828

#1	27.43	257.6	129.7	209.4	74960.	11390.
#2	27.31	258.9	133.0	209.3	75990.	11560.
#3	27.43	259.1	130.8	209.2	75930.	11570.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111496-A-3-F MS Acquired: 4/9/2016 23:34:59 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12620.	1370.	10250.	328.8	1193.	167.4
Stddev	140.	9.	29.	.9	5.	1.0
%RSD	1.106	.6716	.2797	.2606	.4383	.5853

#1	12460.	1360.	10220.	328.4	1189.	168.5
#2	12710.	1377.	10270.	329.8	1190.	166.5
#3	12700.	1374.	10270.	328.3	1198.	167.3

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	897.6	1008.	301.4	1285.	228.7	232.7
Stddev	7.5	6.	1.2	9.	1.4	1.5
%RSD	.8385	.5664	.3925	.7053	.6255	.6259

#1	889.9	1002.	300.0	1274.	227.0	231.1
#2	904.9	1013.	302.0	1290.	229.6	233.9
#3	898.0	1010.	302.1	1291.	229.3	233.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111496-A-3-F MS Acquired: 4/9/2016 23:34:59 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	256.6	364.7	1054.	1586.
Stddev	2.5	.3	3.	24.
%RSD	.9736	.0895	.2485	1.506

#1	253.7	365.0	1051.	1573.
#2	258.1	364.3	1056.	1613.
#3	257.9	364.7	1055.	1570.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9169.2	61004.	9934.8
Stddev	26.7	495.	129.1
%RSD	.29109	.81201	1.2998

#1	9187.1	61517.	10082.
#2	9138.5	60529.	9883.7
#3	9181.8	60965.	9839.0

Sample Name: 460-111496-A-3-E DU Acquired: 4/9/2016 23:38:35 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16870.	15.19	.6031	490.3	.9706	5716.
Stddev	7.	1.29	.3056	1.8	.1547	61.
%RSD	.0396	8.512	50.68	.3648	15.94	1.069

#1	16870.	13.75	.5069	491.8	1.129	5654.
#2	16870.	15.57	.9452	490.7	.9628	5776.
#3	16860.	16.26	.3571	488.3	.8200	5718.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.028	10.89	38.60	2759.	36720.	1543.
Stddev	.023	.16	.29	16.	149.	23.
%RSD	.7648	1.438	.7455	.5962	.4059	1.468

#1	3.024	11.02	38.49	2775.	36720.	1526.
#2	3.008	10.92	38.92	2758.	36880.	1533.
#3	3.054	10.72	38.38	2743.	36580.	1568.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111496-A-3-E DU Acquired: 4/9/2016 23:38:35 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3158.	578.0	177.6	77.15	919.9	2.209
Stddev	22.	1.9	5.0	.55	8.5	2.305
%RSD	.7063	.3227	2.791	.7080	.9191	104.3

#1	3134.	578.8	176.2	77.78	929.2	-.3205
#2	3161.	579.3	183.1	76.82	917.9	2.758
#3	3179.	575.8	173.5	76.84	912.6	4.190

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	5.530	3.865	64.49	974.9	1.236	1.012
Stddev	2.948	2.136	.46	2.2	.489	.100
%RSD	53.30	55.26	.7186	.2259	39.57	9.912

#1	3.182	3.273	63.97	975.7	.9856	1.098
#2	4.571	2.088	64.65	976.5	.9234	1.036
#3	8.838	6.235	64.85	972.3	1.800	.9020

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111496-A-3-E DU Acquired: 4/9/2016 23:38:35 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	16.66	64.60	688.2	1016.
Stddev	.39	.08	3.2	36.
%RSD	2.313	.1171	.4583	3.497

#1	17.09	64.59	689.3	993.4
#2	16.51	64.53	690.7	1057.
#3	16.36	64.68	684.7	998.1

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	9378.3	62525.	10220.
Stddev	51.4	393.	22.
%RSD	.54758	.62812	.21304

#1	9345.4	62374.	10244.
#2	9351.9	62231.	10214.
#3	9437.4	62971.	10201.

Sample Name: 460-111496-A-3-D@4 Acquired: 4/9/2016 23:42:19 Type: Unk

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19530.	15.55	.1072	499.6	1.183	6369.
Stddev	30.	.75	.0652	1.1	.025	52.
%RSD	.1557	4.855	60.77	.2196	2.077	.8212

#1	19490.	16.41	.1743	498.8	1.162	6384.
#2	19530.	15.27	.0442	500.8	1.210	6310.
#3	19550.	14.98	.1031	499.1	1.176	6412.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.620	12.50	32.86	103.9	38470.	1544.
Stddev	.141	.22	.55	1.3	52.	32.
%RSD	5.365	1.723	1.662	1.266	.1340	2.101

#1	2.459	12.70	32.60	102.6	38480.	1520.
#2	2.720	12.54	32.49	103.8	38420.	1532.
#3	2.681	12.27	33.48	105.2	38520.	1581.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111496-A-3-D@4 Acquired: 4/9/2016 23:42:19 Type: Unk

Method: BC04012016_P(v12) 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	4008.	625.5	205.4	94.28	1083.	-.4471
Stddev	52.	1.0	4.2	1.30	8.	.7063
%RSD	1.307	.1665	2.053	1.379	.6962	158.0

#1	3963.	625.0	200.6	93.22	1078.	-.5070
#2	3996.	624.8	207.9	95.73	1092.	-1.121
#3	4066.	626.7	207.8	93.90	1080.	.2872

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	3.236	3.220	61.39	999.2	.8195	1.242
Stddev	2.207	2.062	1.02	4.3	.2093	.174
%RSD	68.21	64.03	1.669	.4313	25.54	14.02

#1	4.035	.8399	60.83	1004.	1.013	1.420
#2	4.932	4.457	60.78	998.3	.8486	1.071
#3	.7402	4.364	62.58	995.4	.5972	1.236

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111496-A-3-D@4 Acquired: 4/9/2016 23:42:19 Type: Unk
Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	100.5	90.20	642.2	1122.
Stddev	.9	.40	.6	25.
%RSD	.9053	.4420	.0909	2.222

#1	100.6	89.74	642.5	1098.
#2	101.4	90.45	641.5	1148.
#3	99.60	90.40	642.6	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	9393.8	62609.	10158.
Stddev	63.6	436.	77.
%RSD	.67731	.69643	.76285

#1	9321.2	62109.	10109.
#2	9420.0	62906.	10119.
#3	9440.1	62813.	10248.

Sample Name: sd460-111496-A-3-D Acquired: 4/9/2016 23:46:03 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x209

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3962.	4.197	.0356	101.0	.3495	1347.
Stddev	34.	1.138	.4730	.2	.0666	4.
%RSD	.8705	27.11	1327.	.2369	19.05	.3180

#1	3993.	3.569	.5198	100.7	.2807	1352.
#2	3968.	5.510	.0125	101.2	.3541	1343.
#3	3925.	3.512	-.4254	100.9	.4136	1345.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4980	2.387	6.997	21.77	7992.	297.3
Stddev	.0312	.072	.086	.37	23.	27.6
%RSD	6.265	3.026	1.230	1.685	.2845	9.270

#1	.5087	2.310	7.074	22.10	8017.	328.6
#2	.4628	2.397	6.904	21.84	7987.	276.7
#3	.5223	2.453	7.013	21.38	7972.	286.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd460-111496-A-3-D Acquired: 4/9/2016 23:46:03 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x209

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	821.9	130.5	34.43	19.13	220.9	-.4692
Stddev	10.7	.5	4.63	.73	1.2	2.309
%RSD	1.303	.3760	13.45	3.802	.5453	492.1
#1	833.5	131.0	36.08	18.30	219.7	-2.329
#2	812.4	130.3	29.20	19.44	222.1	-1.193
#3	819.8	130.1	38.01	19.65	220.8	2.115

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	1.980	5.449	12.30	207.5	.0524	-.7277
Stddev	1.352	1.054	.19	1.5	.2134	.0847
%RSD	68.32	19.33	1.516	.7281	407.2	11.64
#1	3.540	4.289	12.16	207.0	.2738	-.6314
#2	1.244	5.713	12.51	209.2	.0353	-.7612
#3	1.154	6.346	12.22	206.3	-.1519	-.7905

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd460-111496-A-3-D Acquired: 4/9/2016 23:46:03 Type: Unk
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x209

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	20.87	18.11	132.2	230.6
Stddev	.32	.09	.4	9.7
%RSD	1.550	.4726	.2852	4.192

#1	20.58	18.01	132.7	224.4
#2	20.80	18.14	132.1	225.6
#3	21.22	18.17	132.0	241.7

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	9338.9	62044.	10103.
Stddev	32.5	326.	37.
%RSD	.34814	.52608	.36785

#1	9326.6	61668.	10089.
#2	9314.2	62219.	10075.
#3	9375.7	62246.	10145.

Sample Name: MB 460-361465/1-A@2 Acquired: 4/9/2016 23:49:52 Type: QC

Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.897	-1.280	.2362	-.0686	-.0719	57.84
Stddev	17.47	.563	.4639	.1609	.2928	1.88
%RSD	296.2	44.02	196.3	234.5	407.3	3.254

#1	9.189	-.9494	-.1367	-.2279	-.1371	59.98
#2	-1.849	-.9600	.7556	-.0719	.2480	57.10
#3	-25.03	-1.930	.0898	.0939	-.3266	56.45

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0121	-.3850	.4318	.8221	18.98	-5.561
Stddev	.1056	.1438	.1564	.0466	4.35	26.23
%RSD	874.3	37.35	36.22	5.670	22.92	471.7

#1	.1060	-.2377	.3029	.8306	19.96	-32.38
#2	.0324	-.3923	.3867	.8639	14.22	-4.344
#3	-.1022	-.5250	.6058	.7718	22.75	20.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-361465/1-A@2 Acquired: 4/9/2016 23:49:52 Type: QC

Method: BC04012016_P(v12) 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	4.702	.0510	5.907	-.2771	.9378	-3.227
Stddev	4.592	.0611	7.726	.5844	.7998	1.540
%RSD	97.66	119.8	130.8	210.9	85.29	47.70

#1	8.342	.0531	14.82	-.6907	1.186	-4.810
#2	-.4569	-.0112	1.220	.3915	.0433	-1.735
#3	6.221	.1109	1.676	-.5321	1.584	-3.137

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	2.851	1.780	-.0529	.9032	.4506	-1.006
Stddev	1.113	1.584	.1909	.1902	.1657	.213
%RSD	39.02	88.98	360.6	21.05	36.78	21.20

#1	1.846	.5672	-.2355	.7654	.4265	-1.186
#2	4.046	1.201	-.0686	1.120	.6271	-1.062
#3	2.662	3.572	.1453	.8241	.2982	-.7706

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-361465/1-A@2 Acquired: 4/9/2016 23:49:52 Type: QC

Method: BC04012016_P(v12) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9.610	.0625	-.5733	1.735
Stddev	.577	.0835	.1511	3.595
%RSD	6.000	133.5	26.35	207.1

#1	10.27	.0045	-.7034	5.536
#2	9.322	.1582	-.4076	1.281
#3	9.234	.0249	-.6087	-1.610

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	9293.5	62185.	10099.
Stddev	35.7	240.	42.
%RSD	.38408	.38621	.41687

#1	9252.3	61975.	10128.
#2	9313.4	62134.	10051.
#3	9314.8	62447.	10119.

Sample Name: LCSSRM 460-361465/2- Acquired: 4/9/2016 23:53:46 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40180.	666.7	140.3	1088.	491.9	26200.
Stddev	110.	3.4	.6	2.	.8	65.
%RSD	.2748	.5067	.4414	.1783	.1678	.2480
#1	40060.	670.6	139.6	1088.	491.3	26270.
#2	40210.	664.7	140.8	1089.	491.7	26190.
#3	40280.	664.8	140.5	1085.	492.9	26150.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	439.1	782.3	656.8	780.7	67070.	12340.
Stddev	.8	1.9	3.1	.9	143.	62.
%RSD	.1742	.2396	.4674	.1171	.2138	.5006
#1	440.0	783.9	660.2	781.4	67230.	12270.
#2	438.8	782.9	655.9	781.1	67030.	12370.
#3	438.6	780.2	654.2	779.7	66950.	12380.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-361465/2- Acquired: 4/9/2016 23:53:46 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11760.	1509.	4359.	679.8	729.2	372.5
Stddev	35.	3.	7.	1.9	2.6	3.7
%RSD	.2985	.2197	.1673	.2828	.3624	.9951

#1	11790.	1513.	4351.	681.3	728.0	376.8
#2	11750.	1508.	4359.	680.5	732.2	370.0
#3	11730.	1507.	4366.	677.7	727.4	370.8

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	841.9	756.7	524.9	986.6	617.4	577.6
Stddev	1.1	1.3	.9	.2	1.0	2.5
%RSD	.1287	.1738	.1737	.0178	.1610	.4347

#1	840.8	756.7	525.7	986.5	618.0	580.0
#2	842.9	757.9	525.1	986.8	618.0	577.8
#3	842.1	755.3	523.9	986.5	616.3	575.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-361465/2- Acquired: 4/9/2016 23:53:46 Type: QC
Method: BC04012016_P(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

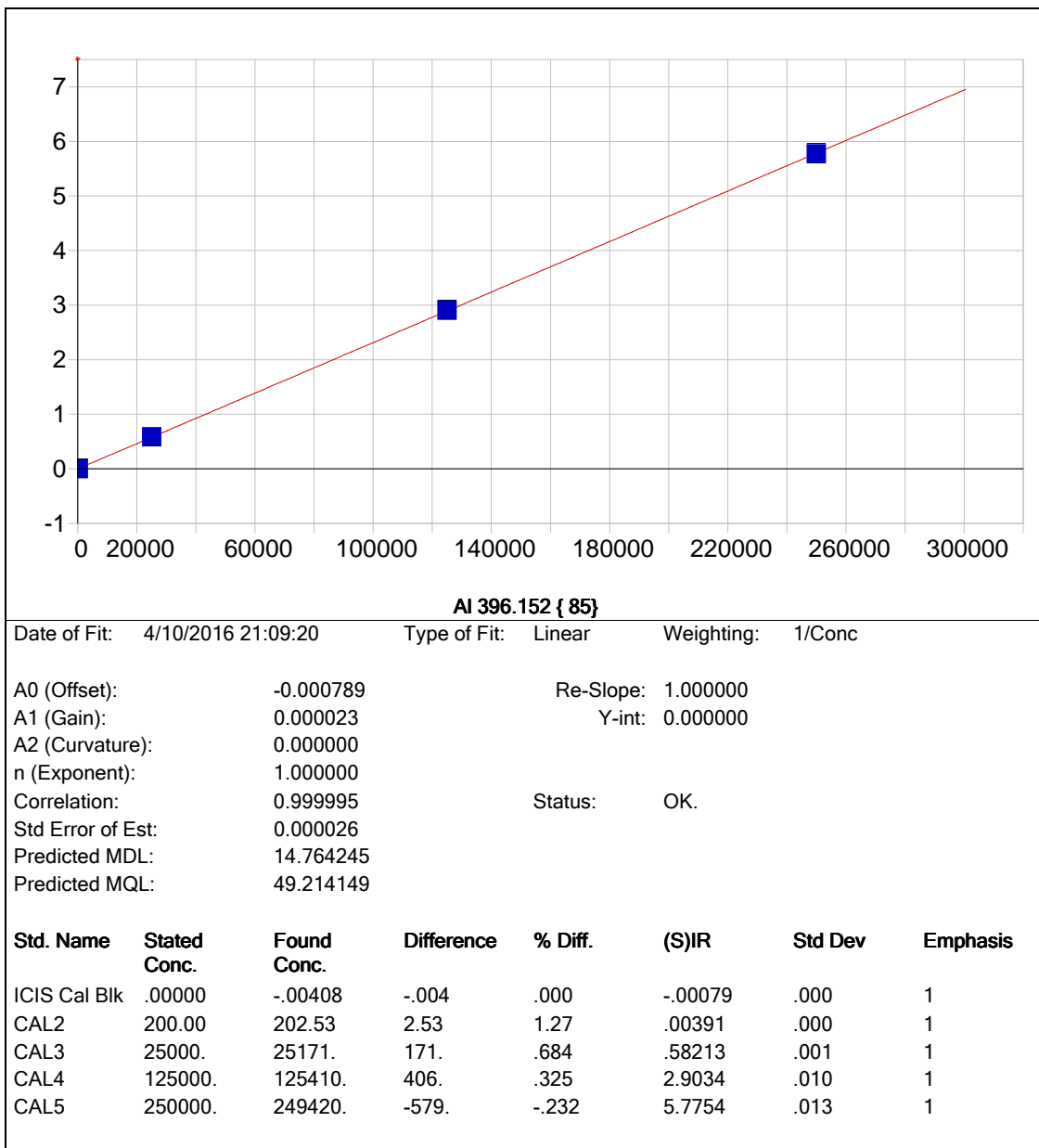
Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	700.1	558.5	1496.	1885.
Stddev	2.5	1.3	4.	6.
%RSD	.3502	.2352	.2455	.3292

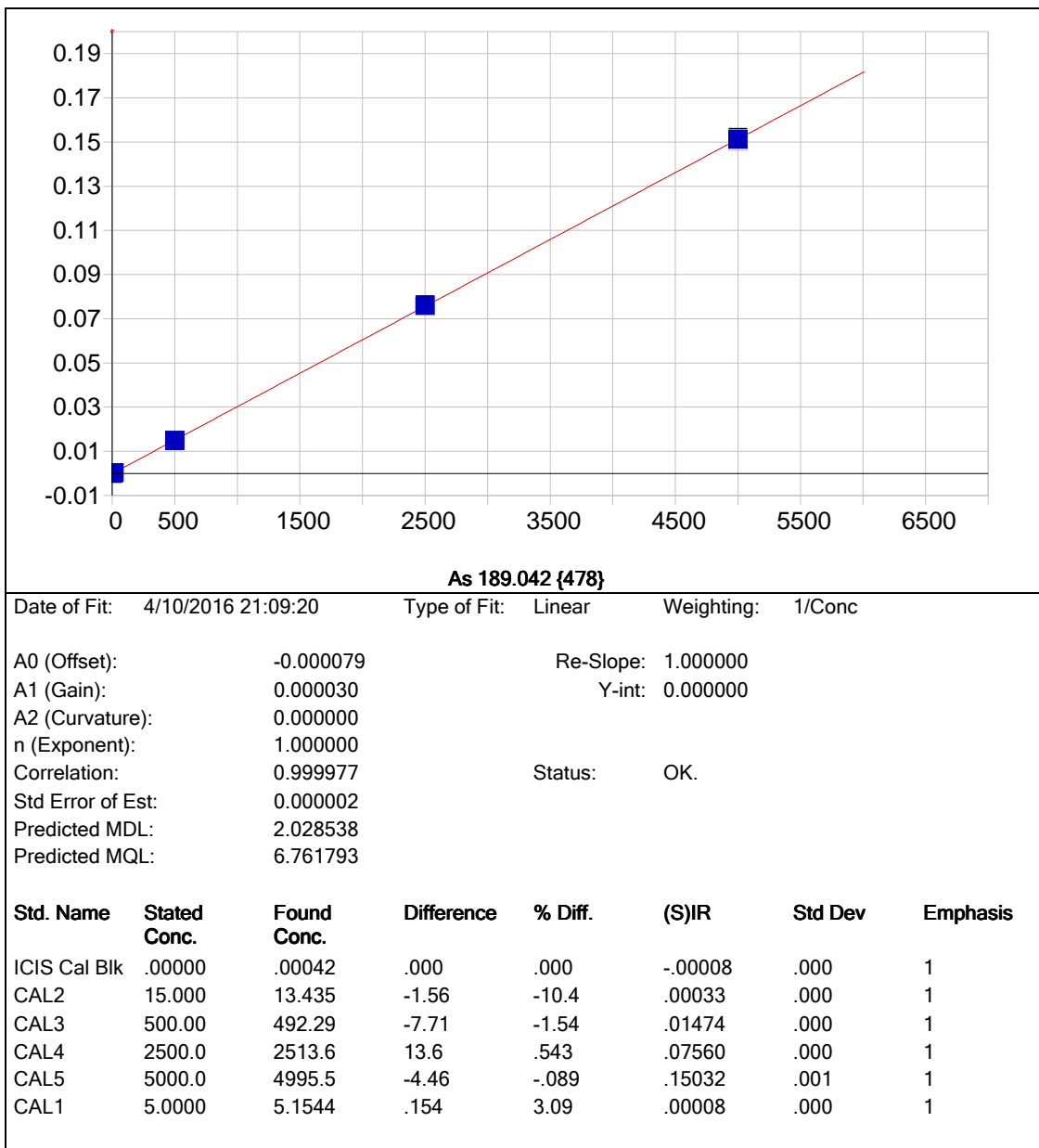
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#2	700.3	558.8	1496.	1878.
#3	697.5	559.6	1493.	1887.

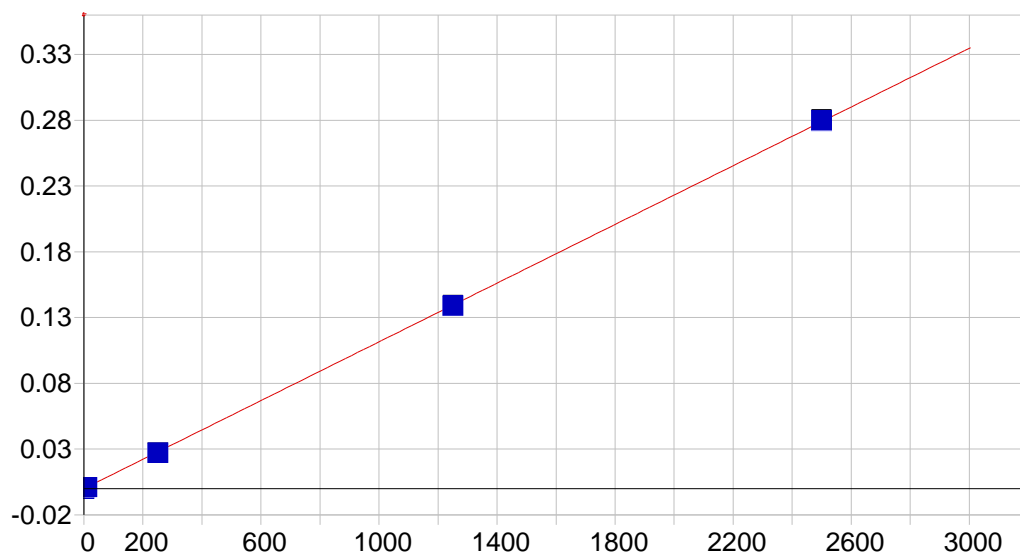
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

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	9523.6	63374.	10296.
Stddev	23.0	573.	70.
%RSD	.24128	.90377	.68076

#1	9506.2	62714.	10225.
#2	9549.7	63740.	10365.
#3	9514.9	63669.	10297.





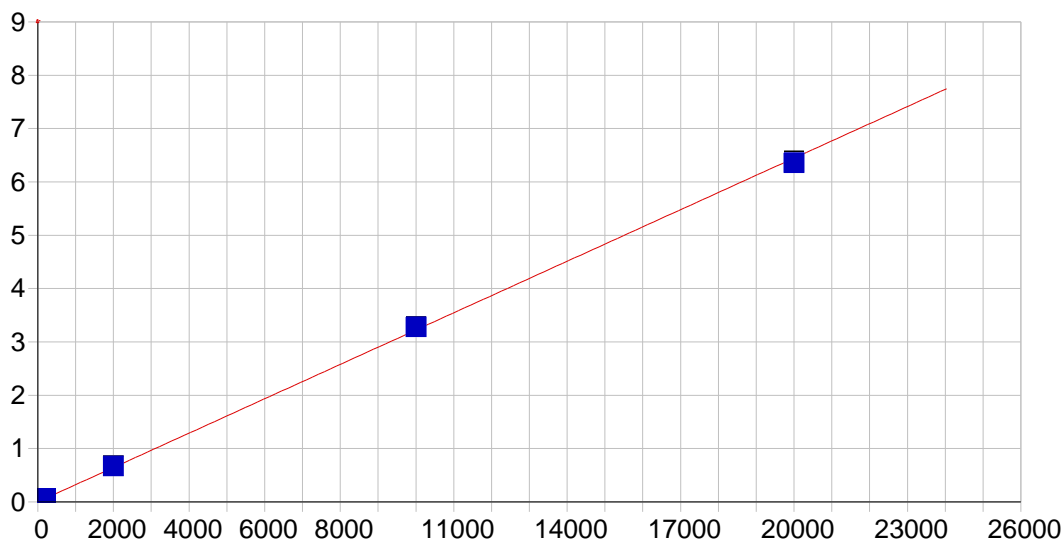


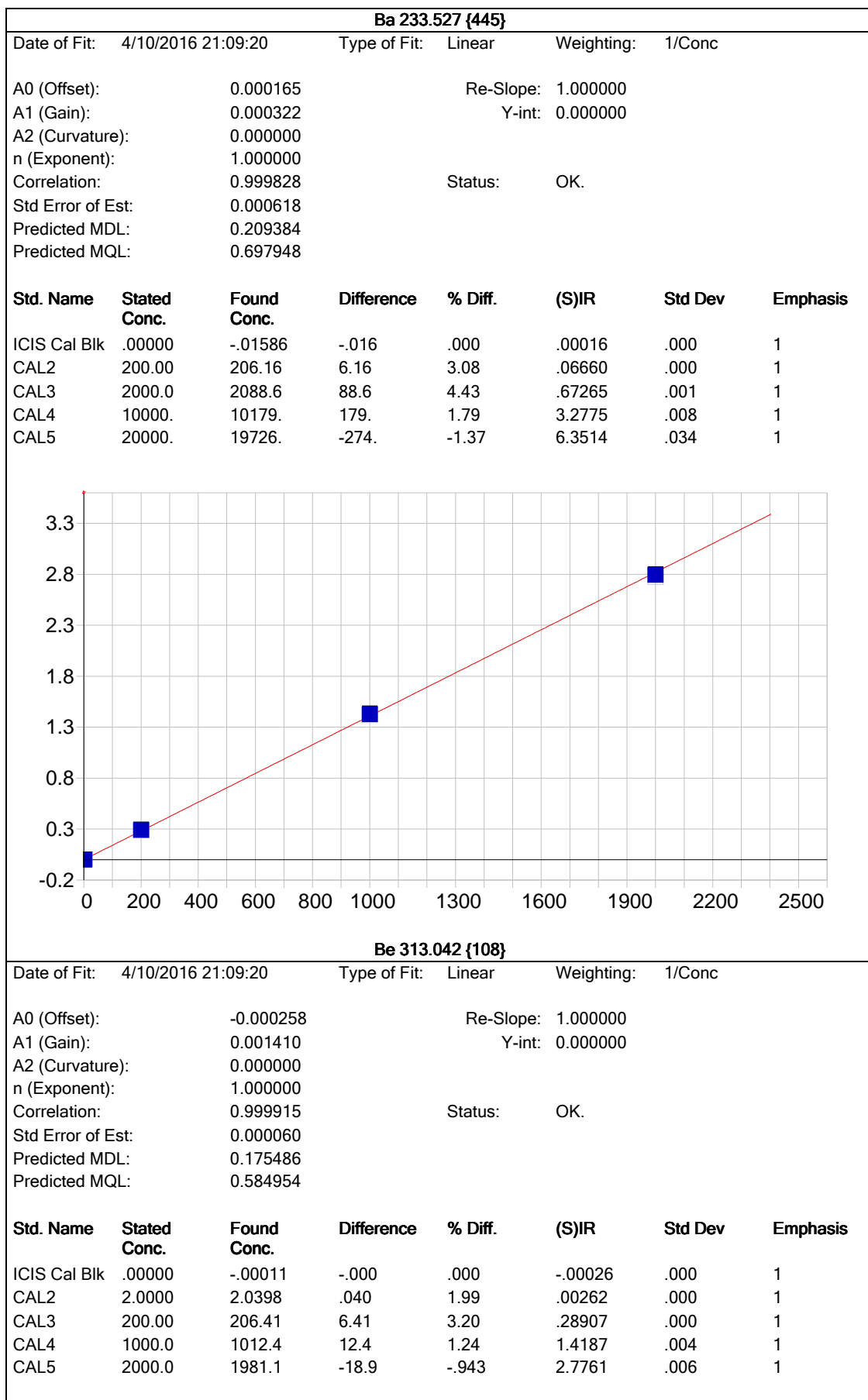
Ag 328.068 {103}

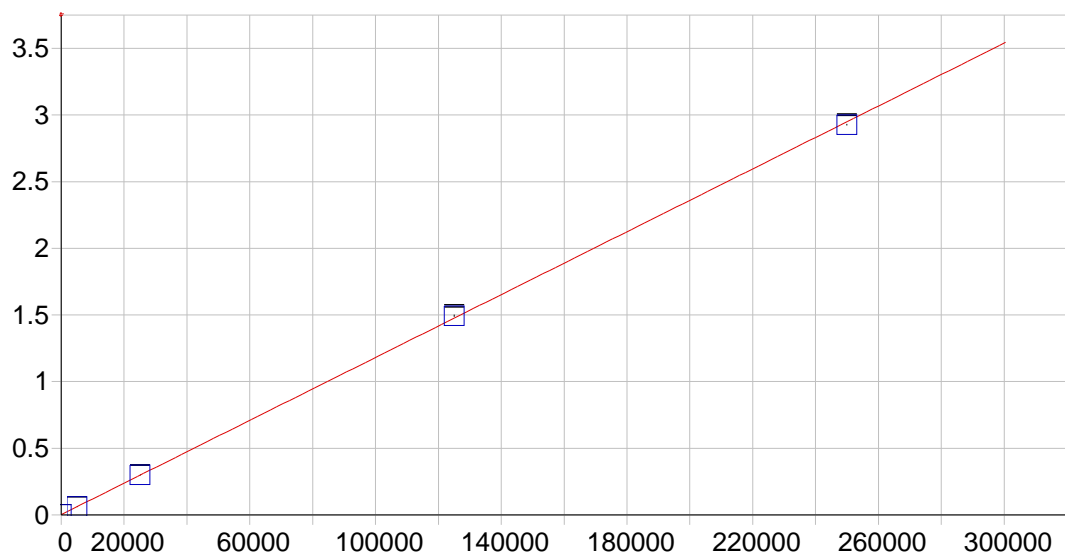
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000032 Re-Slope: 1.000000
 A1 (Gain): 0.000112 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999977 Status: OK.
 Std Error of Est: 0.000006
 Predicted MDL: 0.648247
 Predicted MQL: 2.160823

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00056	.001	.000	-.00003	.000	1
CAL2	10.000	9.6546	-.345	-3.45	.00104	.000	1
CAL3	250.00	244.22	-5.78	-2.31	.02715	.000	1
CAL4	1250.0	1247.5	-2.54	-.203	.13883	.000	1
CAL5	2500.0	2508.7	8.66	.346	.27923	.001	1





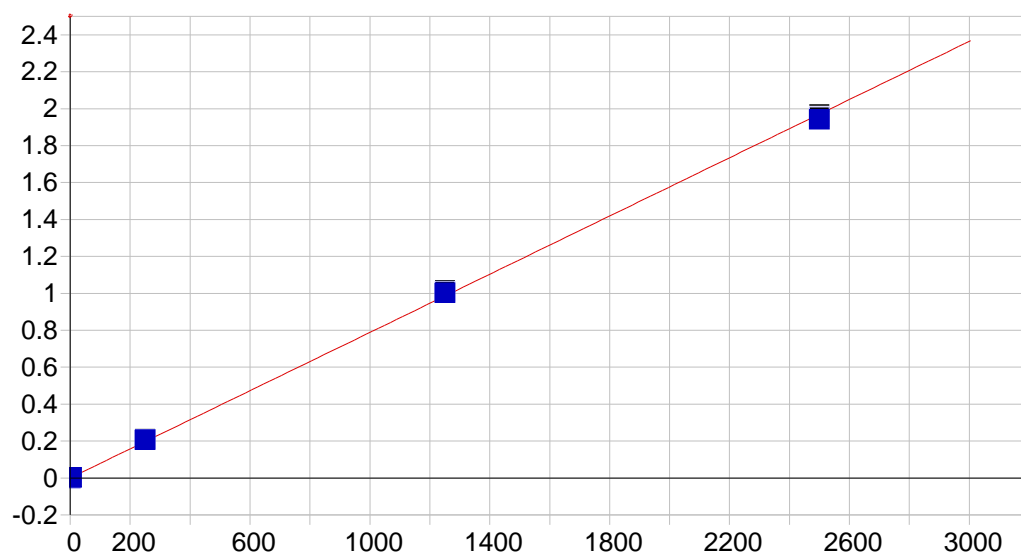


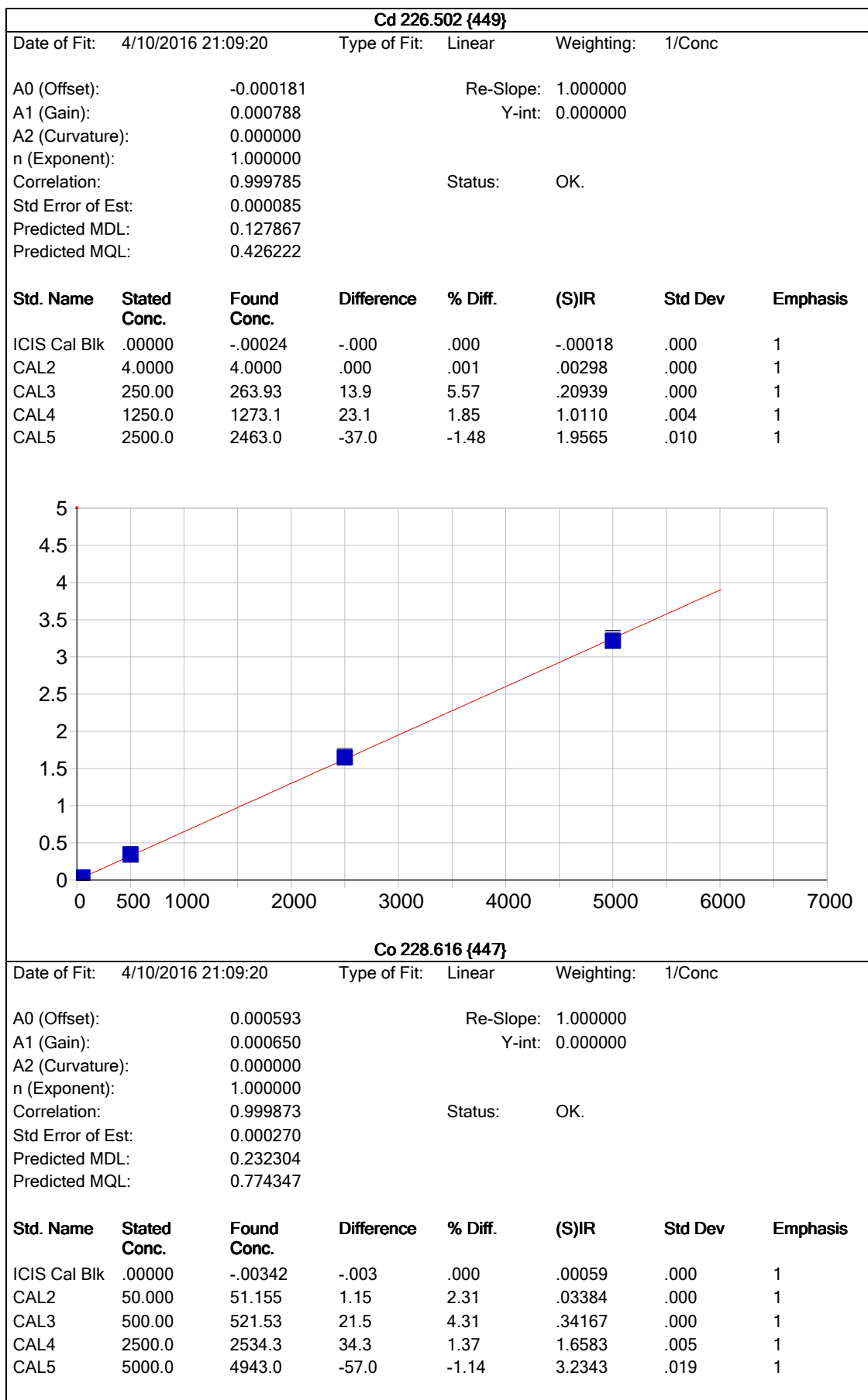
Ca 318.128 {106}

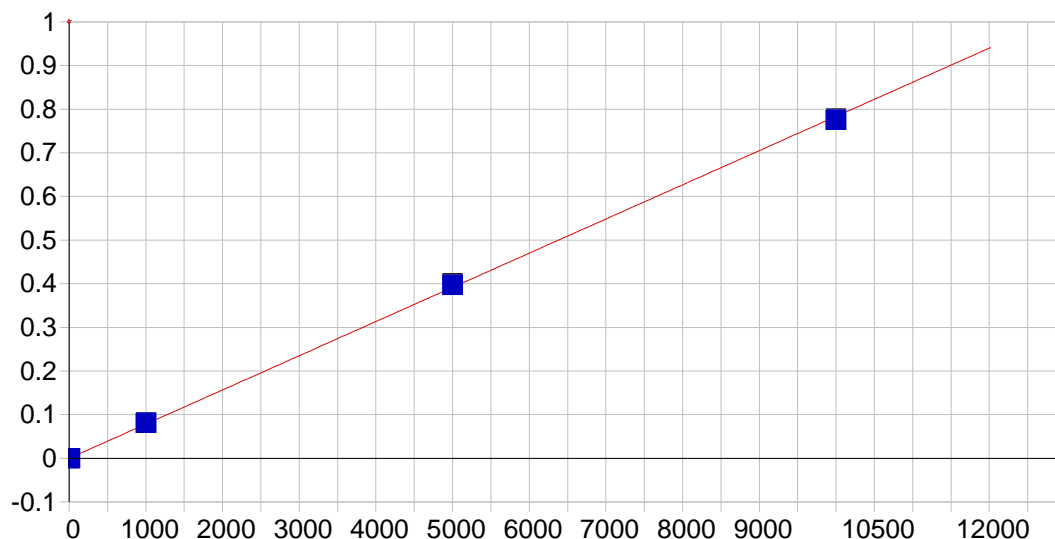
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002216 Re-Slope: 1.000000
 A1 (Gain): 0.000012 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999954 Status: OK.
 Std Error of Est: 0.000207
 Predicted MDL: 6.763511
 Predicted MQL: 22.545038

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.11558	-.116	.000	.00221	.000	1
CAL2	5000.0	5030.2	30.2	.605	.06152	.000	1
CAL3	25000.	25307.	307.	1.23	.30057	.000	1
CAL4	125000.	126540.	1540.	1.23	1.4941	.008	1
CAL5	250000.	248120.	-1880.	-.750	2.9275	.007	1





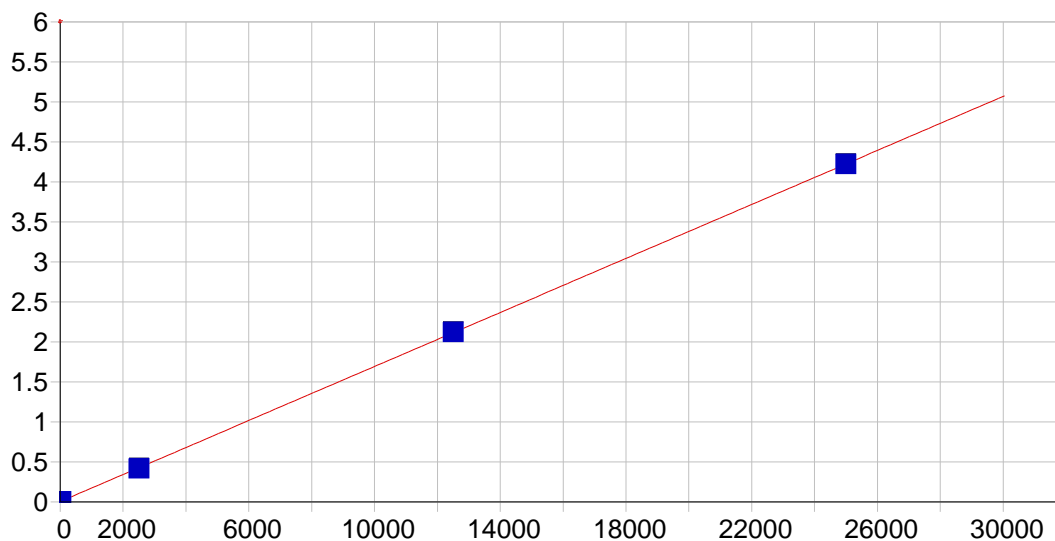


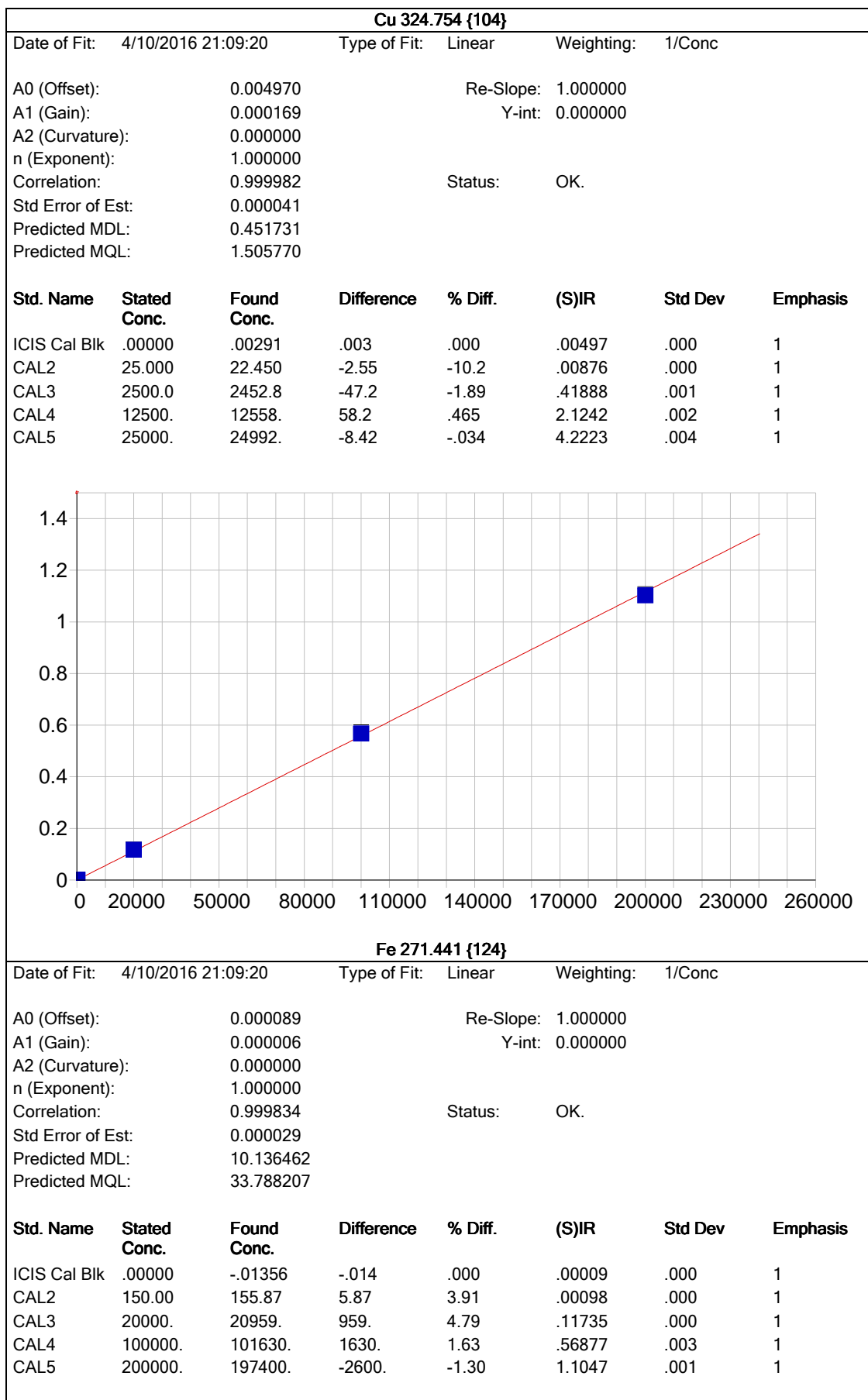
Cr 267.716 {126}

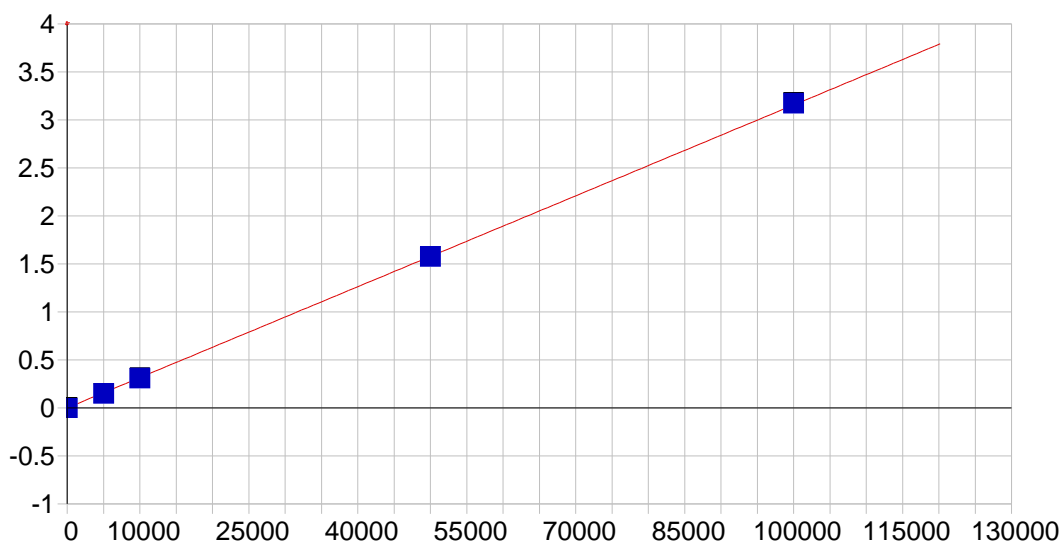
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000001 Re-Slope: 1.000000
 A1 (Gain): 0.000078 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999895 Status: OK.
 Std Error of Est: 0.000019
 Predicted MDL: 0.630575
 Predicted MQL: 2.101915

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00031	-.000	.000	-.00000	.000	1
CAL2	10.000	9.9025	-.097	-.975	.00078	.000	1
CAL3	1000.0	1037.9	37.9	3.79	.08132	.000	1
CAL4	5000.0	5065.8	65.8	1.32	.39694	.003	1
CAL5	10000.	9896.4	-104.	-1.04	.77544	.002	1





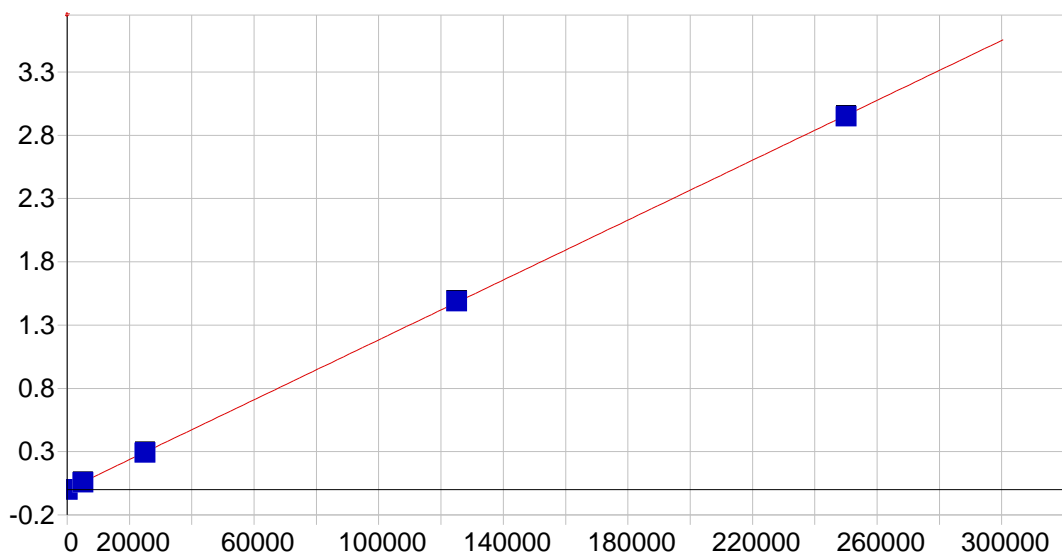


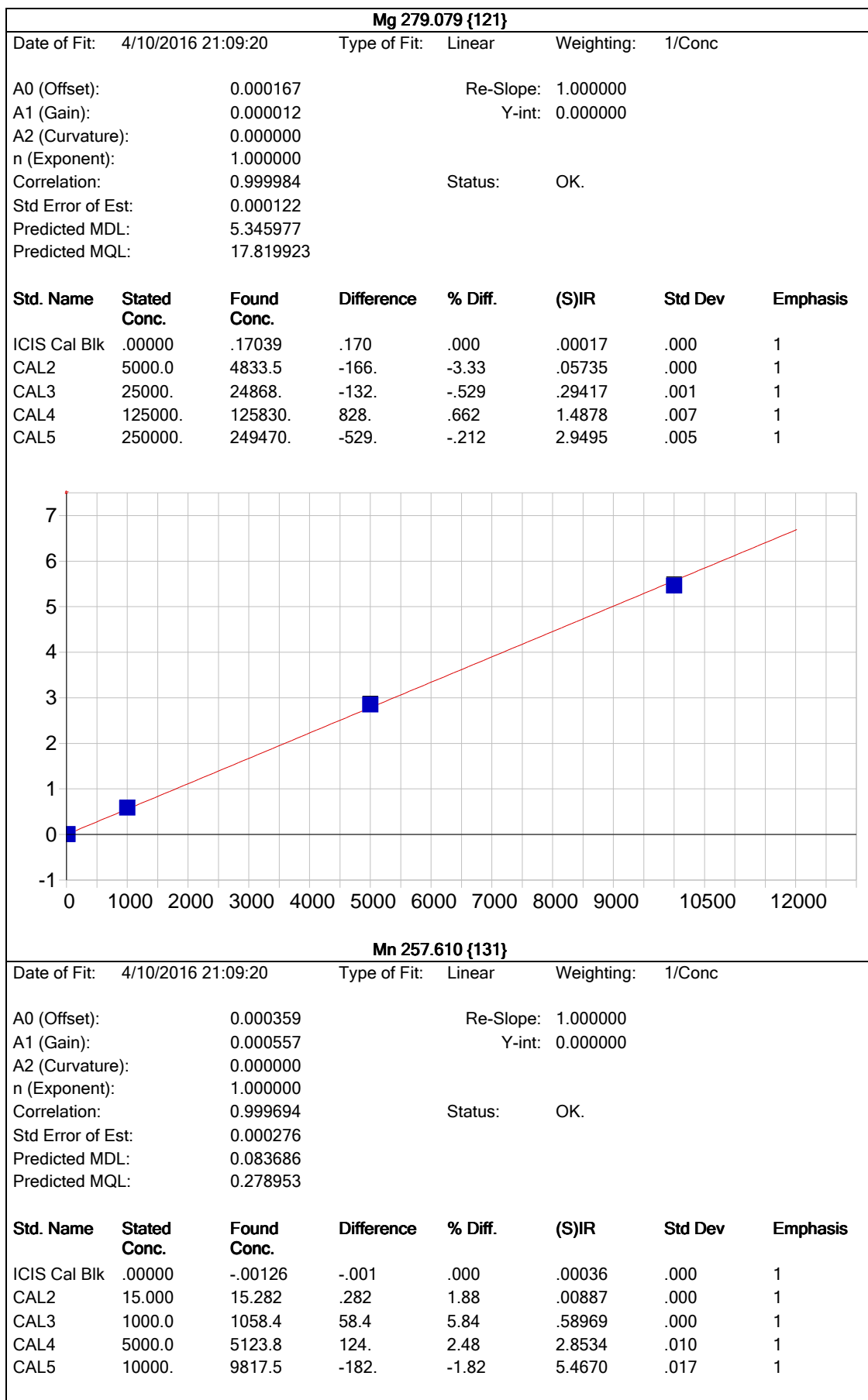
K 766.490 { 44}

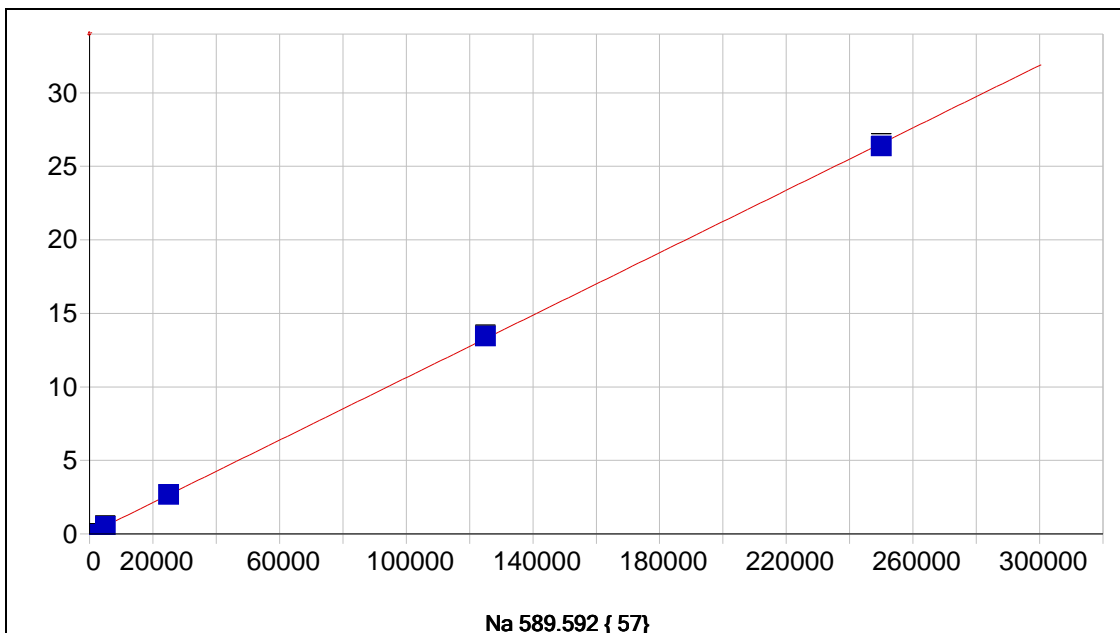
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000339 Re-Slope: 1.000000
 A1 (Gain): 0.000032 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999929 Status: OK.
 Std Error of Est: 0.000440
 Predicted MDL: 36.157484
 Predicted MQL: 120.524947

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.36319	.363	.000	.00035	.001	1
CAL2	5000.0	4733.0	-267.	-5.34	.14967	.001	1
CAL3	10000.	9766.7	-233.	-2.33	.30823	.001	1
CAL4	50000.	49909.	-91.1	-.182	1.5737	.003	1
CAL5	100000.	100590.	592.	.592	3.1715	.005	1



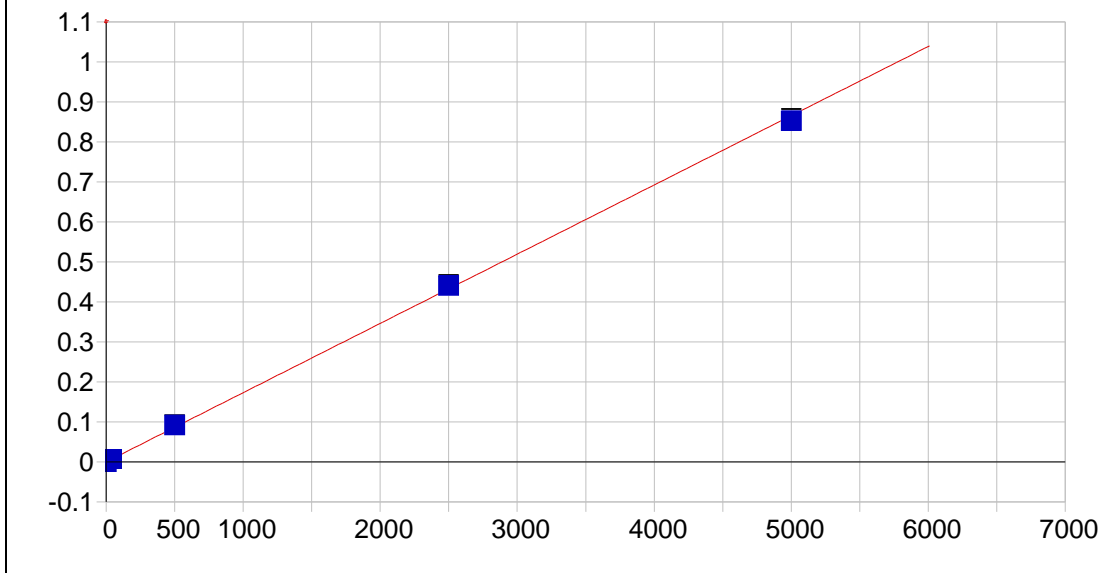


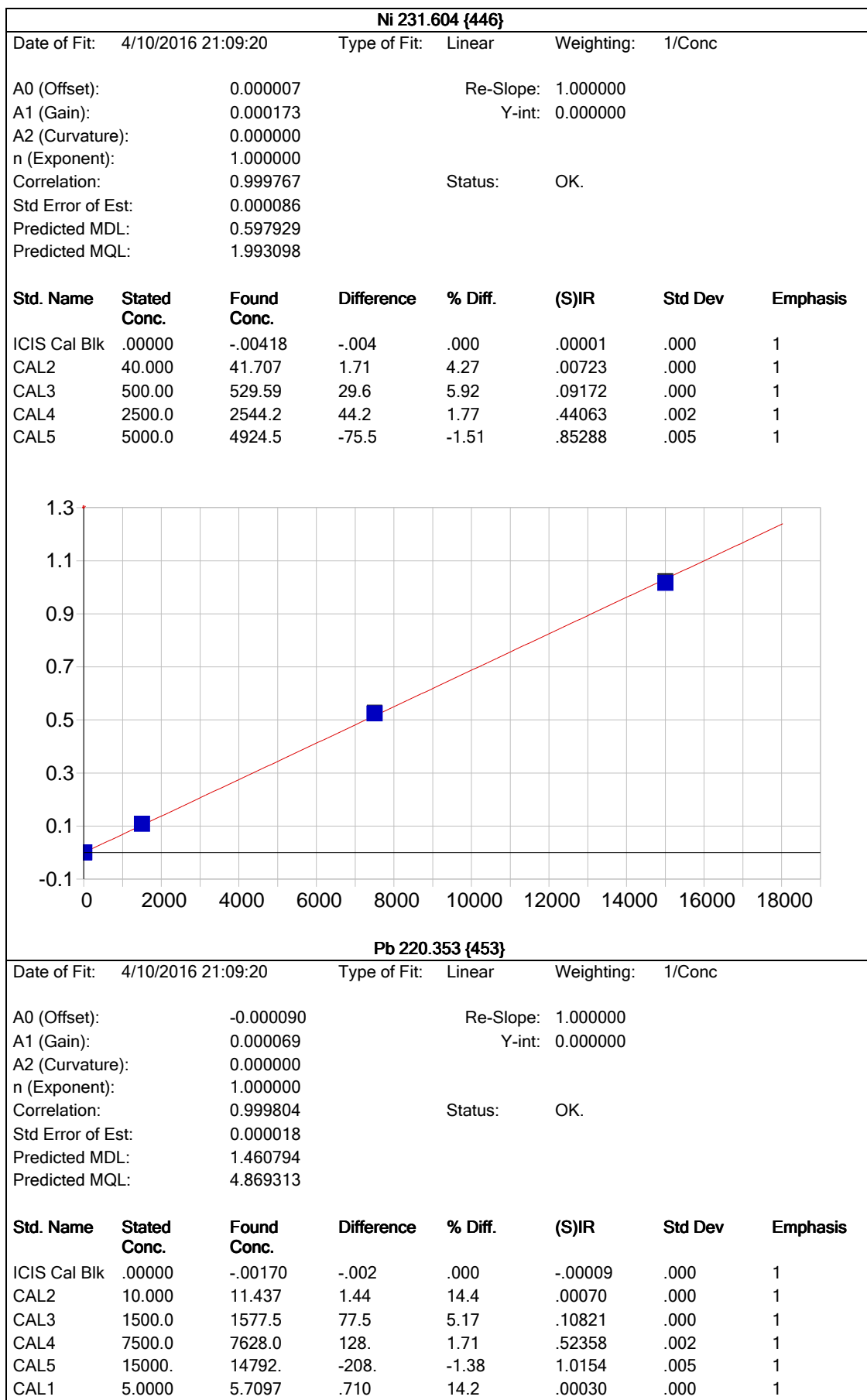


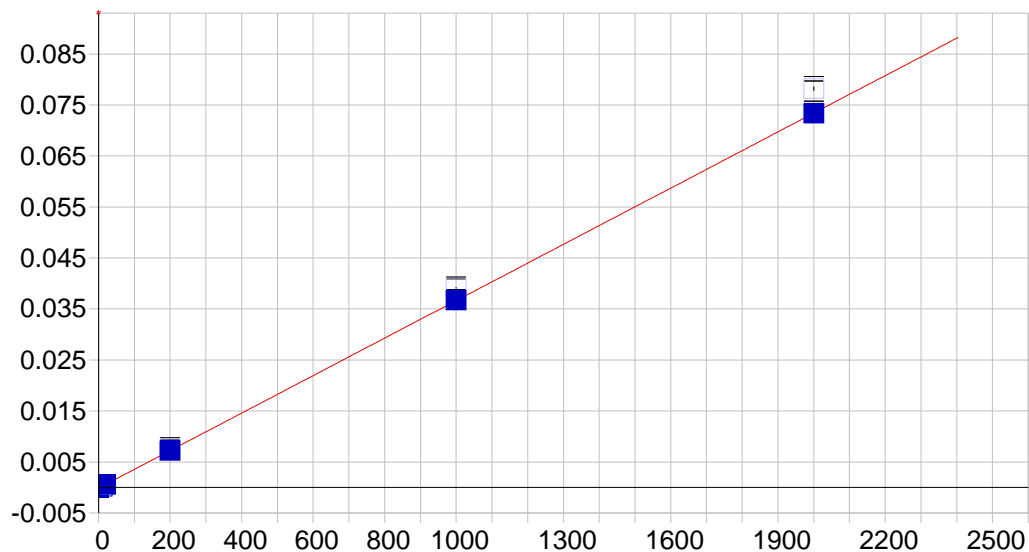
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.008432 Re-Slope: 1.000000
 A1 (Gain): 0.000106 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999954 Status: OK.
 Std Error of Est: 0.001863
 Predicted MDL: 10.406959
 Predicted MQL: 34.689864

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.01104	.011	.000	.00843	.003	1
CAL2	5000.0	4918.2	-81.8	-1.64	.53077	.002	1
CAL3	25000.	25202.	202.	.807	2.6858	.001	1
CAL4	125000.	126640.	1640.	1.31	13.463	.060	1
CAL5	250000.	248240.	-1760.	-.705	26.381	.175	1





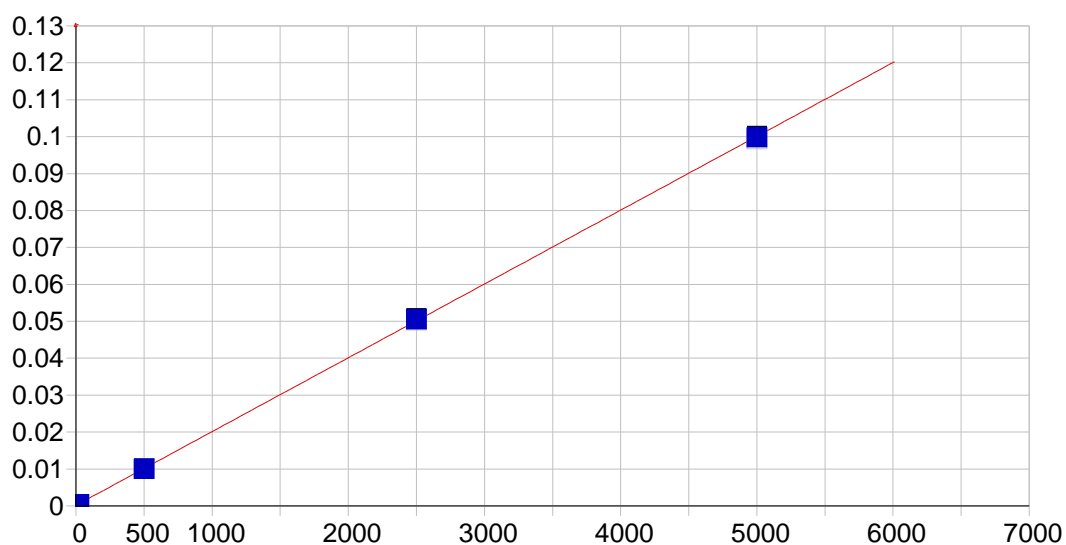


Sb 206.833 {463}

Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000123 Re-Slope: 1.000000
 A1 (Gain): 0.000037 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999994 Status: OK.
 Std Error of Est: 0.000001
 Predicted MDL: 2.135237
 Predicted MQL: 7.117456

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00078	.001	.000	-.00012	.000	1
CAL2	20.000	19.360	-.640	-3.20	.00057	.000	1
CAL3	200.00	199.58	-.422	-.211	.00770	.000	1
CAL4	1000.0	1002.2	2.18	.218	.03914	.000	1
CAL5	2000.0	1999.3	-.742	-.037	.07821	.000	1
CAL1	10.000	9.5430	-.457	-4.57	.00023	.000	1

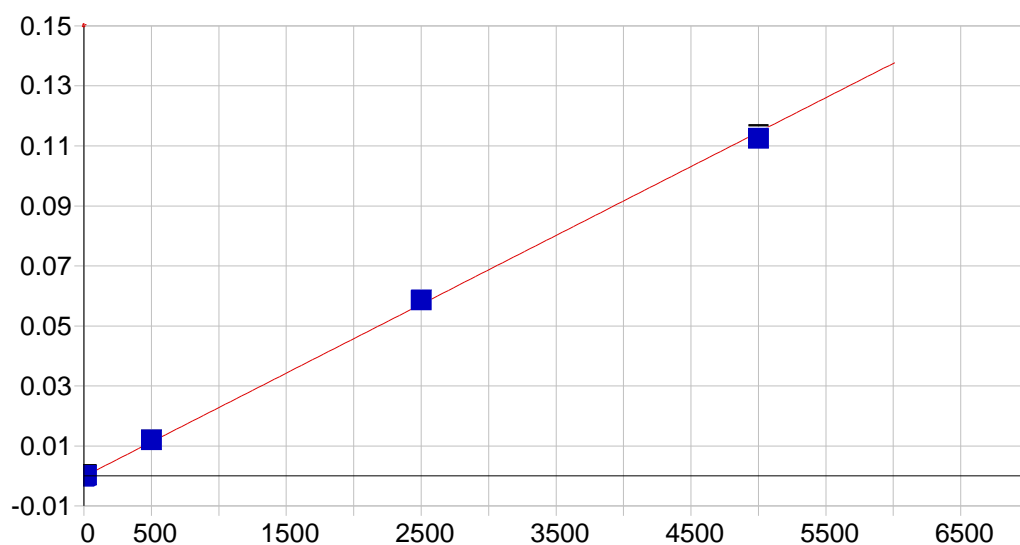


Se 196.090 {472}

Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000138 Re-Slope: 1.000000
 A1 (Gain): 0.000020 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999900 Status: OK.
 Std Error of Est: 0.000002
 Predicted MDL: 3.123789
 Predicted MQL: 10.412631

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00291	.003	.000	.00014	.000	1
CAL2	20.000	17.687	-2.31	-11.6	.00049	.000	1
CAL3	500.00	496.54	-3.46	-.692	.01001	.000	1
CAL4	2500.0	2521.4	21.4	.855	.05028	.000	1
CAL5	5000.0	4986.8	-13.2	-.265	.09930	.000	1
CAL1	5.0000	2.6776	-2.32	-46.4	.00019	.000	1

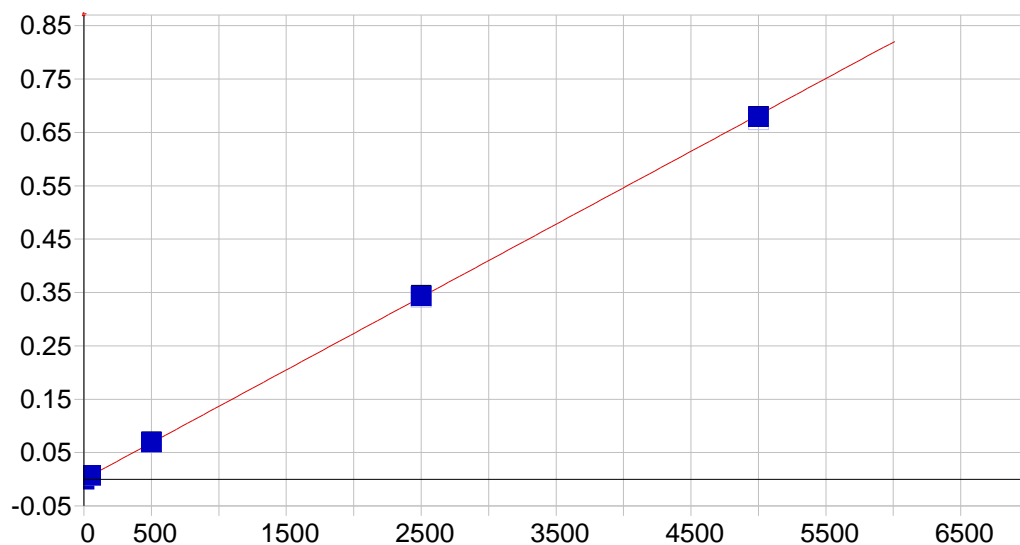


TI 190.856 {477}

Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.000181	Re-Slope:	1.000000
A1 (Gain):	0.000023	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999685	Status:	OK.
Std Error of Est:	0.000006		
Predicted MDL:	2.740026		
Predicted MQL:	9.133421		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00044	-.000	.000	-.00018	.000	1
CAL2	20.000	19.715	-.285	-1.43	.00028	.000	1
CAL3	500.00	530.98	31.0	6.20	.01204	.000	1
CAL4	2500.0	2561.1	61.1	2.44	.05876	.000	1
CAL5	5000.0	4908.3	-91.7	-1.83	.11279	.001	1
CAL1	10.000	9.9012	-.099	-.988	.00005	.000	1

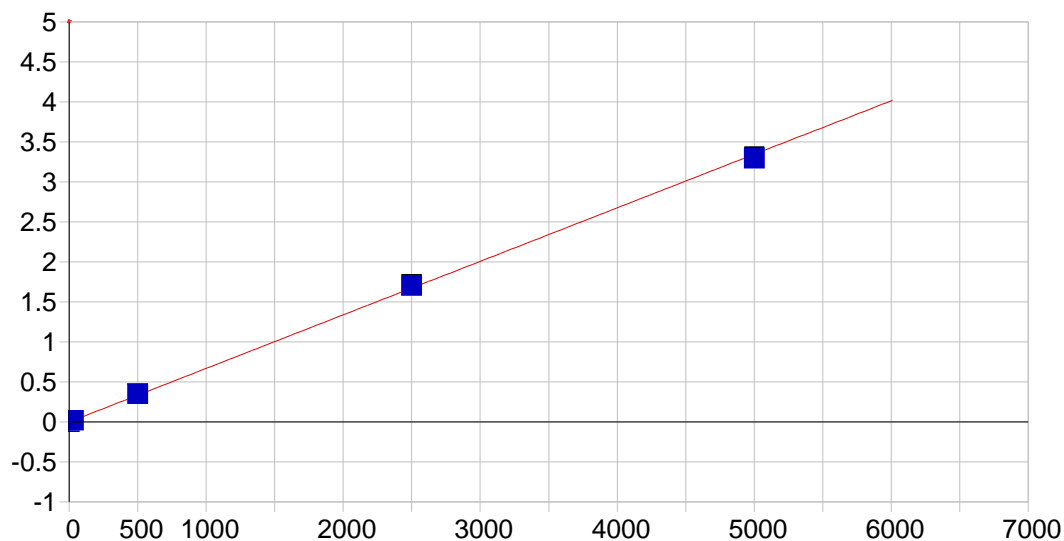


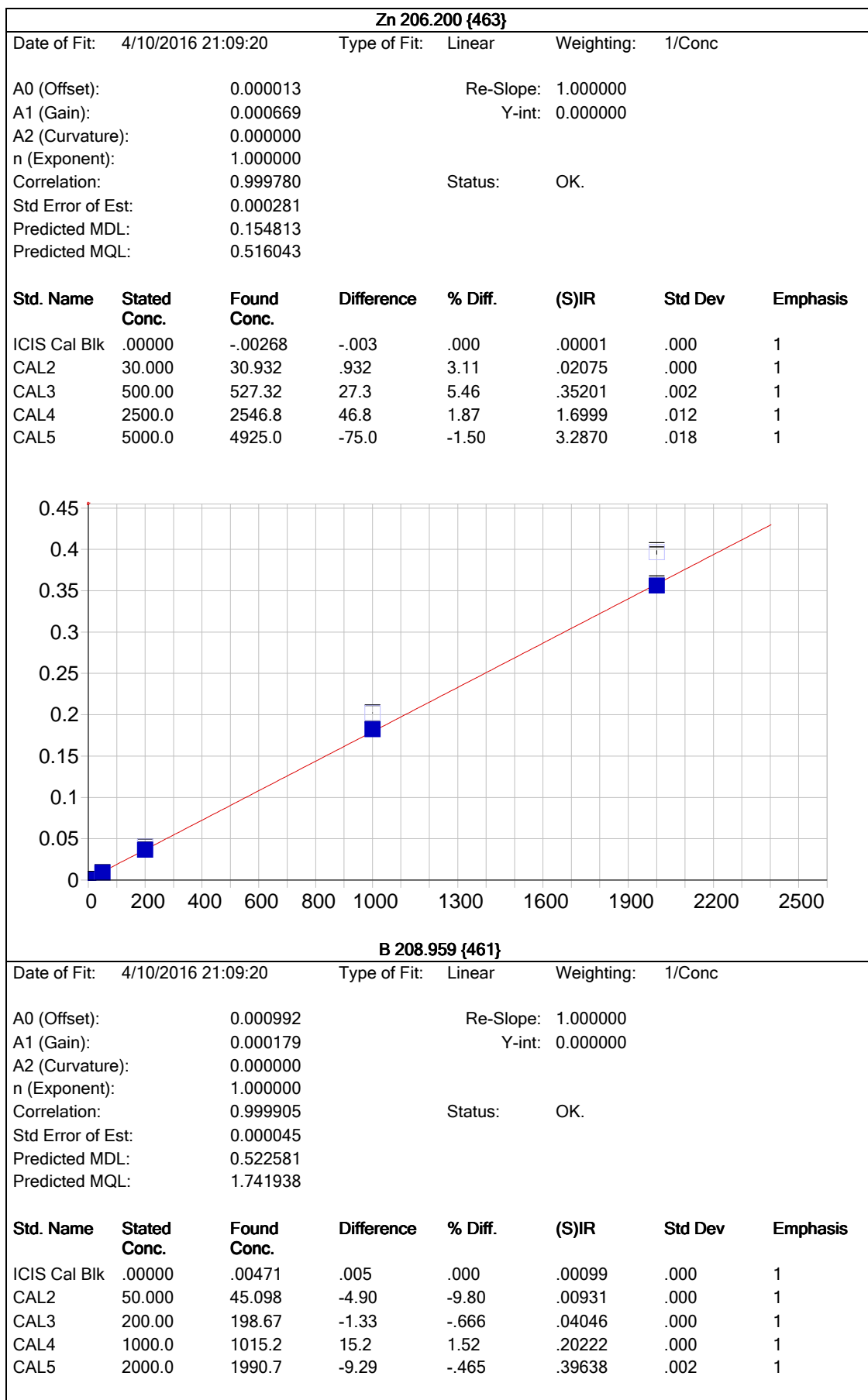
V 292.402 {115}

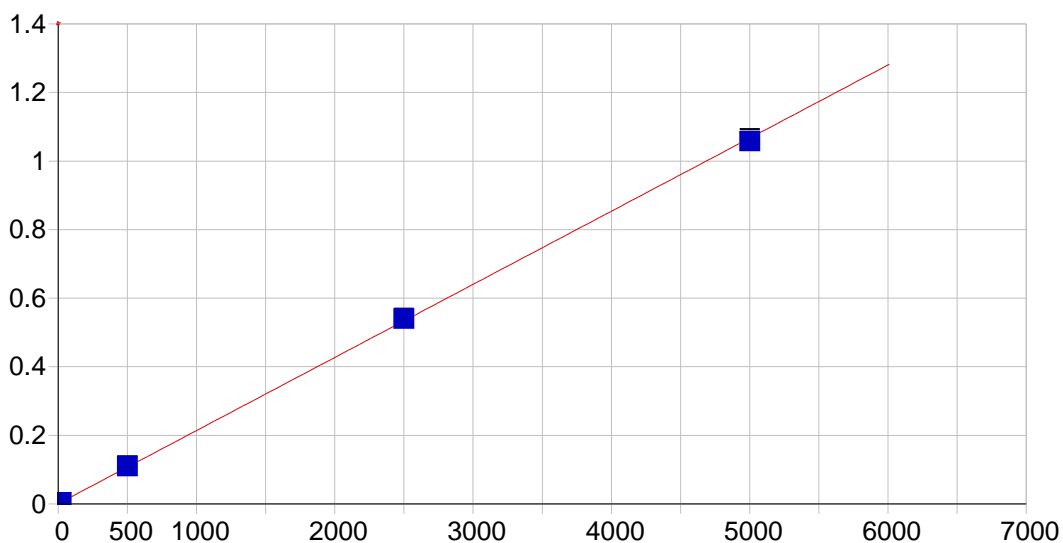
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000021 Re-Slope: 1.000000
 A1 (Gain): 0.000137 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999978 Status: OK.
 Std Error of Est: 0.000023
 Predicted MDL: 0.478232
 Predicted MQL: 1.594106

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00091	-.001	.000	-.00002	.000	1
CAL2	50.000	50.028	.028	.055	.00679	.000	1
CAL3	500.00	508.01	8.01	1.60	.06875	.000	1
CAL4	2500.0	2516.1	16.1	.645	.34058	.001	1
CAL5	5000.0	4975.8	-24.2	-.483	.67348	.000	1





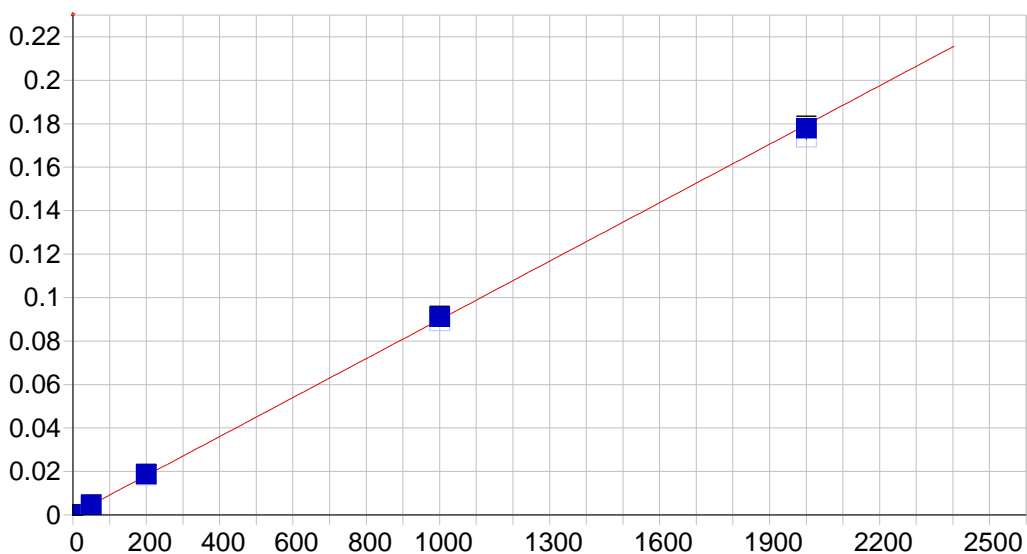


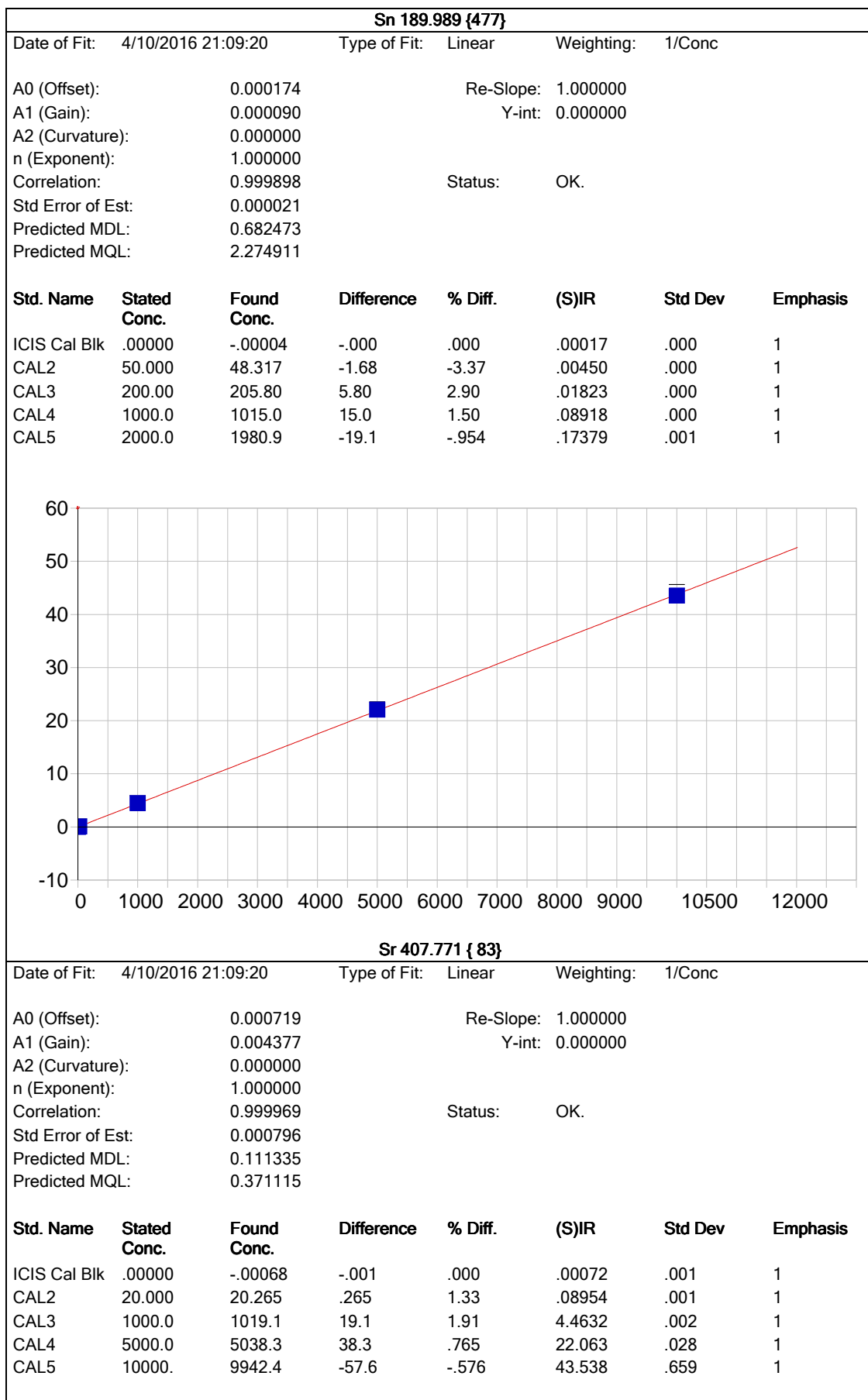
Mo 202.030 {467}

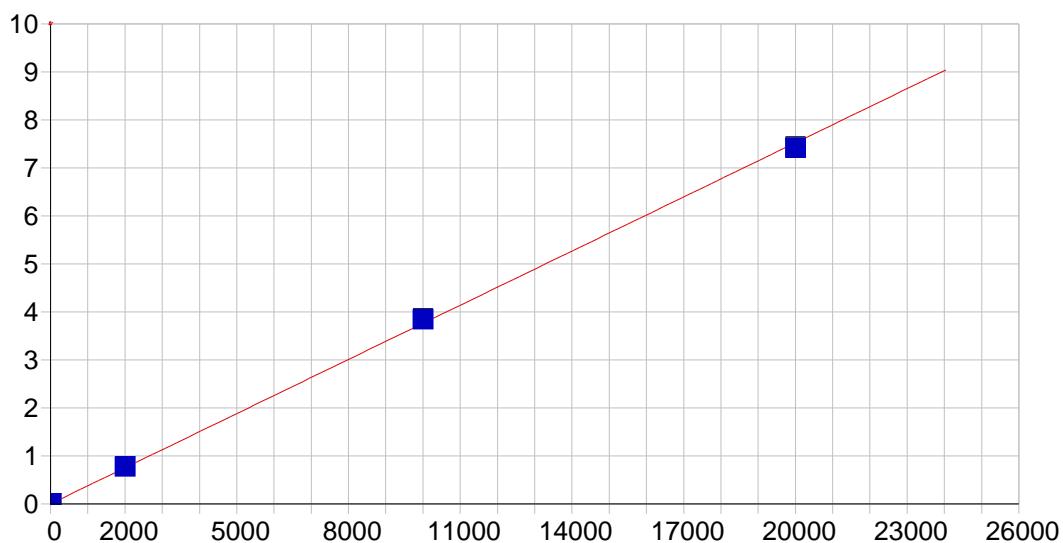
Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000652 Re-Slope: 1.000000
 A1 (Gain): 0.000213 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999916 Status: OK.
 Std Error of Est: 0.000045
 Predicted MDL: 0.320171
 Predicted MQL: 1.067236

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00201	.002	.000	.00065	.000	1
CAL2	20.000	17.406	-2.59	-13.0	.00436	.000	1
CAL3	500.00	512.65	12.6	2.53	.10990	.000	1
CAL4	2500.0	2530.2	30.2	1.21	.53987	.001	1
CAL5	5000.0	4959.7	-40.3	-.806	1.0576	.006	1





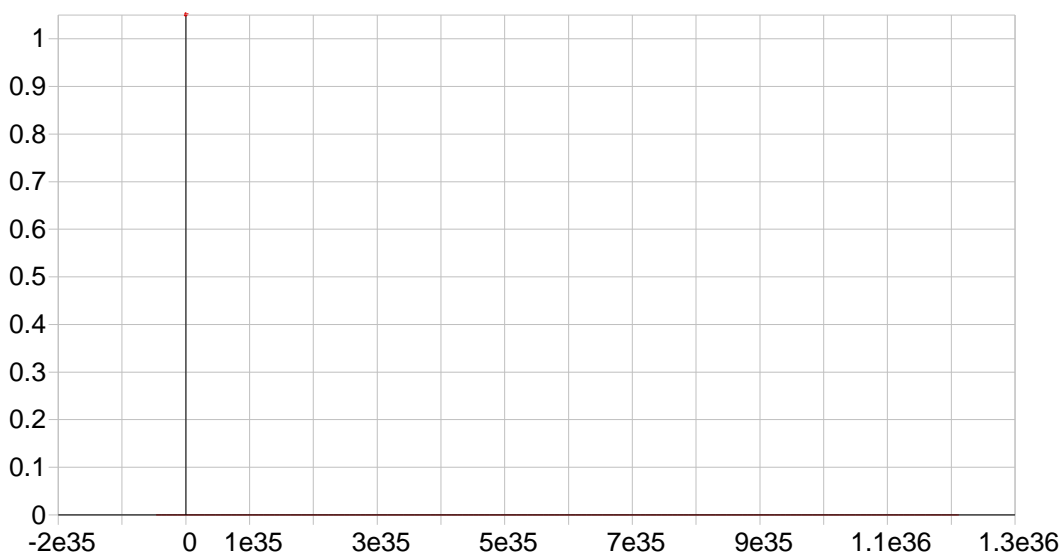


Ti 334.941 {101}

Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc

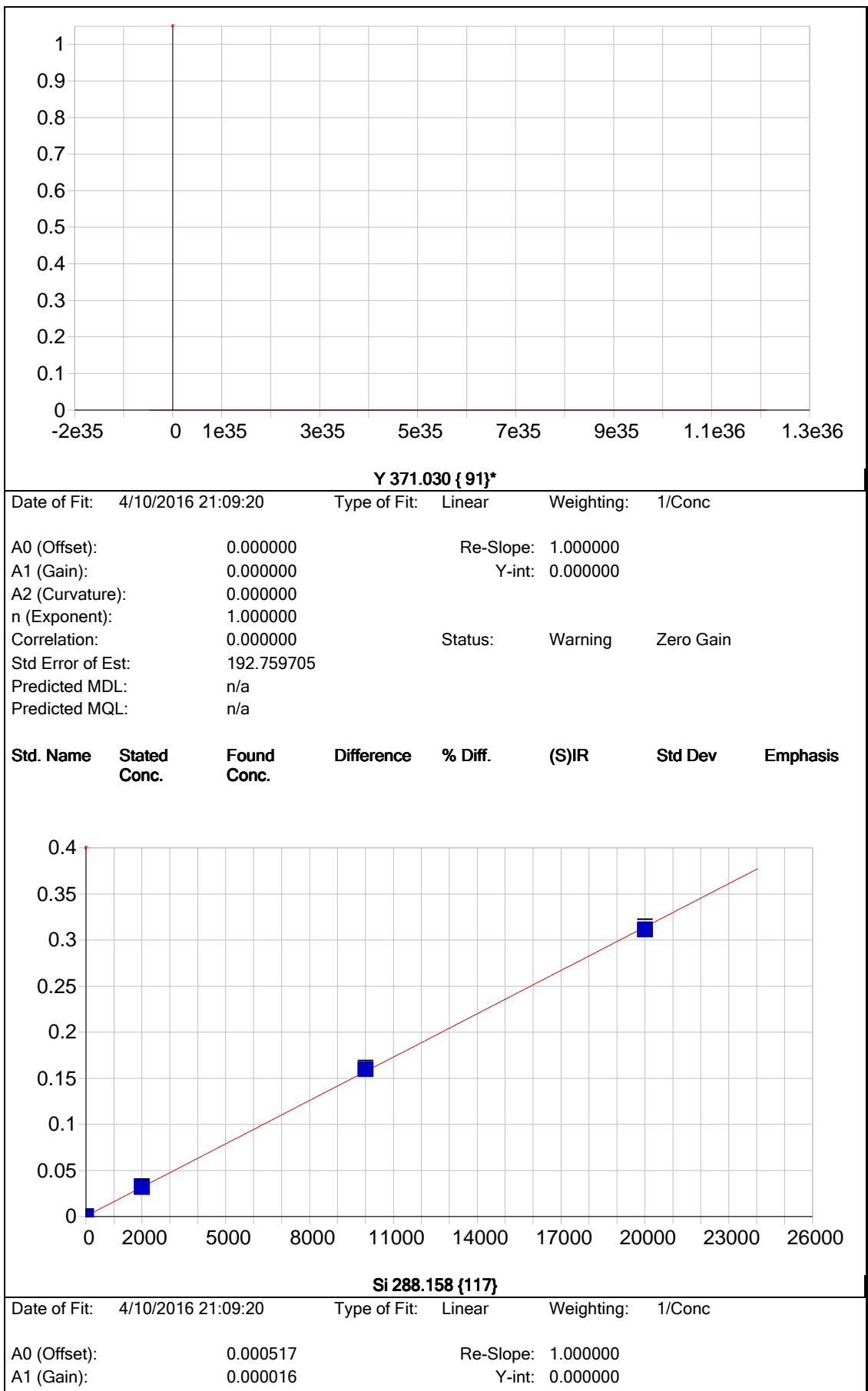
A0 (Offset): 0.000677 Re-Slope: 1.000000
 A1 (Gain): 0.000376 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999832 Status: OK.
 Std Error of Est: 0.000225
 Predicted MDL: 0.236266
 Predicted MQL: 0.787555

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00059	.001	.000	.00068	.000	1
CAL2	20.000	18.615	-1.38	-6.92	.00768	.000	1
CAL3	2000.0	2064.3	64.3	3.22	.77736	.002	1
CAL4	10000.	10217.	217.	2.17	3.8446	.008	1
CAL5	20000.	19720.	-280.	-1.40	7.4204	.014	1



Y 224.306 {450}* Date of Fit: 4/10/2016 21:09:20 Type of Fit: Linear Weighting: 1/Conc							
A0 (Offset):	0.000000			Re-Slope:	1.000000		
A1 (Gain):	0.000000			Y-int:	0.000000		
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.000000			Status:	Warning	Zero Gain	
Std Error of Est:	183.492520						
Predicted MDL:	n/a						
Predicted MQL:	n/a						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

Y 360.073 { 94}* Date of Fit: 4/10/2016 21:09:20 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



A2 (Curvature):		0.000000		Status:	OK.		
n (Exponent):		1.000000					
Correlation:		0.999938					
Std Error of Est:		0.000062					
Predicted MDL:		17.004366					
Predicted MQL:		56.681219					
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.01701	-.017	.000	.00052	.000	1
CAL5	20000.	19837.	-163.	-.816	.31099	.003	1
CAL3	2000.0	2000.9	.855	.043	.03183	.001	1
CAL4	10000.	10162.	162.	1.62	.15958	.001	1

Sample Name: ICIS Cal Blk Acquired: 4/10/2016 14:01:08 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0008	-0.0001	-0.0000	.0002	-0.0003	.0022
Stddev	.0001	.0000	.0000	.0001	.0002	.0001
%RSD	18.73	62.26	111.3	57.81	87.03	6.312

#1	-0.0009	-0.0000	.0000	.0001	-0.0000	.0024
#2	-0.0006	-0.0001	-0.0000	.0003	-0.0005	.0021
#3	-0.0008	-0.0001	-0.0001	.0001	-0.0003	.0022

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0002	.0006	-0.0000	.0050	.0001	.0004
Stddev	.0001	.0000	.0000	.0003	.0000	.0014
%RSD	29.55	1.711	4782.	5.078	28.66	403.2

#1	-0.0002	.0006	.0000	.0053	.0001	.0017
#2	-0.0002	.0006	-0.0000	.0049	.0001	.0004
#3	-0.0001	.0006	-0.0000	.0048	.0001	-0.0011

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0002	.0004	.0084	.0000	-0.0001	-0.0001
Stddev	.0002	.0004	.0030	.0000	.0001	.0001
%RSD	118.1	109.4	35.44	804.5	75.96	50.03

#1	.0004	.0008	.0117	.0000	-0.0000	-0.0001
#2	.0001	.0001	.0077	-0.0000	-0.0001	-0.0001
#3	.0000	.0001	.0059	.0001	-0.0002	-0.0002

Sample Name: ICIS Cal Blk Acquired: 4/10/2016 14:01:08 Type: Cal
Method: BC04012016_P(v16) 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	.0001	-.0002	-.0000	.0000	.0010	.0007
Stddev	.0000	.0001	.0000	.0001	.0001	.0001
%RSD	21.62	44.21	221.4	516.7	11.12	16.09

#1	.0001	-.0001	.0000	-.0000	.0011	.0005
#2	.0002	-.0003	-.0001	.0001	.0010	.0007
#3	.0001	-.0002	.0000	-.0000	.0009	.0008

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	.0007	.0007	.0005
Stddev	.0000	.0011	.0004	.0001
%RSD	28.04	152.6	59.87	19.76

#1	.0002	.0020	.0011	.0004
#2	.0002	.0001	.0004	.0005
#3	.0001	.0001	.0005	.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9685.6	65305.	9597.4
Stddev	38.7	511.	148.5
%RSD	.39969	.78197	1.5470

#1	9642.0	64728.	9428.8
#2	9699.1	65700.	9708.6
#3	9715.8	65486.	9654.9

Sample Name: CAL1 Acquired: 4/10/2016 14:04:57 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Pb2203	Sb2068	Se196	Tl1908
Line	189.042 {478}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0003	.0002	.0002	.0000
Stddev	.0000	.0001	.0000	.0000	.0000
%RSD	50.72	24.95	18.65	6.575	80.13
#1	.0000	.0002	.0003	.0002	.0000
#2	.0001	.0003	.0003	.0002	.0000
#3	.0001	.0003	.0002	.0002	.0001
Int. Std.	Y_2243				
Line	224.306 {450}				
Units	Cts/S				
Avg	9780.3				
Stddev	14.0				
%RSD	.14343				
#1	9771.5				
#2	9796.5				
#3	9772.9				

Sample Name: CAL2 Acquired: 4/10/2016 14:08:50 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0039	.0003	.0010	.0666	.0026	.0615
Stddev	.0001	.0001	.0001	.0002	.0001	.0000
%RSD	3.770	17.48	7.816	.2742	4.581	.0526

#1	.0039	.0003	.0010	.0664	.0027	.0615
#2	.0038	.0004	.0010	.0668	.0025	.0615
#3	.0041	.0004	.0011	.0665	.0027	.0615

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0030	.0338	.0008	.0088	.0010	.1497
Stddev	.0000	.0001	.0000	.0001	.0000	.0008
%RSD	1.035	.3293	6.157	1.408	1.750	.5489

#1	.0030	.0340	.0007	.0087	.0010	.1500
#2	.0030	.0338	.0008	.0086	.0010	.1503
#3	.0030	.0338	.0008	.0089	.0010	.1487

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0573	.0089	.5308	.0072	.0007	.0006
Stddev	.0001	.0000	.0023	.0000	.0000	.0001
%RSD	.1411	.3633	.4249	.4427	6.282	15.59

#1	.0573	.0089	.5282	.0073	.0007	.0005
#2	.0573	.0088	.5318	.0072	.0007	.0005
#3	.0574	.0089	.5323	.0072	.0007	.0007

Sample Name: CAL2 Acquired: 4/10/2016 14:08:50 Type: Cal
Method: BC04012016_P(v16) 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	.0003	.0068	.0208	.0093	.0044
Stddev	.0000	.0000	.0000	.0001	.0001	.0001
%RSD	4.138	14.35	.2234	.6978	1.277	1.801

#1	.0005	.0003	.0068	.0207	.0094	.0043
#2	.0005	.0002	.0068	.0209	.0094	.0045
#3	.0005	.0003	.0068	.0206	.0092	.0043

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S
Avg	.0045	.0895	.0077
Stddev	.0000	.0007	.0000
%RSD	.9242	.7693	.4587

#1	.0046	.0893	.0077
#2	.0045	.0903	.0077
#3	.0045	.0890	.0077

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9769.3	66663.	9947.2
Stddev	8.4	81.	10.9
%RSD	.08578	.12204	.10941

#1	9768.0	66570.	9939.5
#2	9761.7	66716.	9942.5
#3	9778.3	66705.	9959.6

Sample Name: CAL3 Acquired: 4/10/2016 14:12:40 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5821	.0147	.0272	.6727	.2891	.3006
Stddev	.0013	.0001	.0002	.0009	.0004	.0003
%RSD	.2184	.5242	.7128	.1332	.1470	.0861

#1	.5830	.0148	.0272	.6737	.2896	.3004
#2	.5827	.0148	.0270	.6721	.2889	.3009
#3	.5807	.0147	.0273	.6721	.2888	.3004

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2094	.3417	.0813	.4189	.1174	.3082
Stddev	.0004	.0000	.0001	.0011	.0001	.0007
%RSD	.1920	.0126	.1578	.2532	.0995	.2215

#1	.2093	.3417	.0814	.4179	.1172	.3089
#2	.2091	.3416	.0812	.4188	.1175	.3076
#3	.2098	.3417	.0813	.4200	.1173	.3082

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.2942	.5897	2.686	.0917	.1082	.0077
Stddev	.0007	.0004	.001	.0001	.0002	.0001
%RSD	.2409	.0652	.0288	.0734	.2230	.9923

#1	.2934	.5893	2.686	.0917	.1080	.0078
#2	.2944	.5900	2.685	.0917	.1082	.0076
#3	.2947	.5897	2.687	.0918	.1085	.0077

Sample Name: CAL3 Acquired: 4/10/2016 14:12:40 Type: Cal
Method: BC04012016_P(v16) 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	.0100	.0120	.0688	.3520	.0405	.1099
Stddev	.0001	.0000	.0001	.0015	.0001	.0000
%RSD	.5245	.3879	.1138	.4355	.1885	.0177

#1	.0100	.0121	.0688	.3506	.0405	.1099
#2	.0101	.0120	.0687	.3518	.0404	.1099
#3	.0100	.0121	.0688	.3537	.0405	.1099

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0182	4.463	.7774	.0318
Stddev	.0000	.002	.0018	.0006
%RSD	.1877	.0510	.2348	1.911

#1	.0182	4.465	.7752	.0311
#2	.0182	4.464	.7784	.0321
#3	.0183	4.461	.7784	.0323

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9562.3	65463.	9859.7
Stddev	31.8	185.	164.4
%RSD	.33276	.28203	1.6677

#1	9581.7	65280.	9669.9
#2	9579.6	65460.	9959.1
#3	9525.6	65649.	9950.1

Sample Name: CAL4 Acquired: 4/10/2016 14:16:15 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.903	.0756	.1388	3.278	1.419	1.494
Stddev	.010	.0002	.0002	.008	.004	.008
%RSD	.3492	.2112	.1460	.2504	.3079	.5429

#1	2.909	.0758	.1391	3.287	1.422	1.502
#2	2.910	.0755	.1388	3.274	1.420	1.494
#3	2.892	.0755	.1387	3.272	1.414	1.486

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.011	1.658	.3969	2.124	.5688	1.574
Stddev	.004	.005	.0025	.002	.0027	.003
%RSD	.4015	.3040	.6366	.0833	.4669	.1944

#1	1.016	1.664	.3991	2.123	.5712	1.576
#2	1.009	1.655	.3975	2.123	.5692	1.575
#3	1.008	1.655	.3942	2.126	.5659	1.570

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	1.488	2.853	13.46	.4406	.5236	.0391
Stddev	.007	.010	.06	.0020	.0022	.0001
%RSD	.4552	.3544	.4426	.4534	.4114	.3265

#1	1.494	2.863	13.51	.4426	.5260	.0392
#2	1.489	2.854	13.48	.4407	.5221	.0390
#3	1.481	2.843	13.40	.4386	.5226	.0392

Sample Name: CAL4 Acquired: 4/10/2016 14:16:15 Type: Cal
Method: BC04012016_P(v16) 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	.0503	.0588	.3406	1.700	.2022	.5399
Stddev	.0002	.0000	.0009	.012	.0004	.0010
%RSD	.3100	.0477	.2705	.6773	.2036	.1899

#1	.0501	.0588	.3414	1.713	.2018	.5411
#2	.0503	.0588	.3407	1.694	.2026	.5392
#3	.0504	.0587	.3396	1.692	.2023	.5394

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0892	22.06	3.845	.1596
Stddev	.0002	.03	.008	.0015
%RSD	.1931	.1282	.2148	.9303

#1	.0893	22.08	3.852	.1591
#2	.0892	22.08	3.846	.1584
#3	.0890	22.03	3.836	.1612

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9144.4	63128.	9733.3
Stddev	39.0	400.	154.2
%RSD	.42666	.63333	1.5843

#1	9099.4	62731.	9648.3
#2	9169.5	63122.	9640.2
#3	9164.2	63530.	9911.3

Sample Name: CAL5 Acquired: 4/10/2016 14:19:44 Type: Cal
Method: BC04012016_P(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.775	.1503	.2792	6.351	2.776	2.928
Stddev	.013	.0008	.0006	.034	.006	.007
%RSD	.2180	.5561	.2084	.5359	.2341	.2261

#1	5.766	.1502	.2786	6.367	2.769	2.934
#2	5.790	.1512	.2796	6.375	2.782	2.921
#3	5.771	.1495	.2796	6.312	2.776	2.928

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.957	3.234	.7754	4.222	1.105	3.171
Stddev	.010	.019	.0016	.004	.001	.005
%RSD	.5135	.5833	.2016	.0981	.1307	.1577

#1	1.961	3.242	.7772	4.224	1.106	3.168
#2	1.964	3.248	.7743	4.218	1.103	3.177
#3	1.945	3.213	.7748	4.226	1.104	3.169

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	2.950	5.467	26.38	.8529	1.015	.0782
Stddev	.005	.017	.17	.0048	.005	.0004
%RSD	.1835	.3072	.6634	.5585	.4964	.5682

#1	2.953	5.485	26.55	.8556	1.017	.0783
#2	2.943	5.452	26.38	.8557	1.020	.0786
#3	2.953	5.463	26.20	.8474	1.010	.0777

Sample Name: CAL5 Acquired: 4/10/2016 14:19:44 Type: Cal
Method: BC04012016_P(v16) 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	.0993	.1128	.6735	3.287	.3964	1.058
Stddev	.0003	.0009	.0005	.018	.0024	.006
%RSD	.2852	.7978	.0732	.5537	.6111	.6011

#1	.0993	.1133	.6739	3.303	.3950	1.059
#2	.0996	.1133	.6729	3.291	.3992	1.063
#3	.0990	.1117	.6736	3.267	.3950	1.051

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1738	43.54	7.420	.3110
Stddev	.0010	.66	.014	.0031
%RSD	.5996	1.514	.1821	1.010

#1	.1741	43.40	7.436	.3145
#2	.1746	42.96	7.410	.3099
#3	.1726	44.25	7.415	.3085

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8773.4	60921.	9476.3
Stddev	46.6	397.	29.3
%RSD	.53142	.65182	.30923

#1	8723.6	60481.	9507.5
#2	8780.8	61253.	9472.1
#3	8815.9	61028.	9449.3

Sample Name: CCV Acquired: 4/10/2016 14:23:48 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121100.	2428.	1203.	9892.	979.5	121700.
Stddev	402.	1.	4.	9.	.9	349.
%RSD	.3316	.0329	.3500	.0917	.0899	.2869

#1	120600.	2428.	1207.	9888.	978.5	121600.
#2	121400.	2428.	1199.	9884.	979.9	122100.
#3	121100.	2427.	1205.	9902.	980.2	121500.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1226.	2441.	4910.	12120.	98000.	48170.
Stddev	1.	.	12.	27.	230.	235.
%RSD	.0870	.0097	.2367	.2203	.2344	.4872

#1	1227.	2441.	4908.	12140.	97970.	47910.
#2	1225.	2441.	4922.	12090.	98250.	48360.
#3	1227.	2441.	4899.	12130.	97790.	48230.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/10/2016 14:23:48 Type: QC
Method: BC04012016_P(v16) 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	121500.	4987.	121400.	2466.	7355.	962.8
Stddev	360.	8.	231.	3.	6.	1.0
%RSD	.2959	.1663	.1899	.1035	.0866	.0989

#1	121400.	4982.	121200.	2468.	7362.	962.0
#2	121900.	4997.	121700.	2463.	7349.	963.9
#3	121200.	4983.	121400.	2466.	7354.	962.7

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	2406.	2459.	2438.	2471.	966.6	2404.
Stddev	4.	3.	3.	8.	2.1	.
%RSD	.1694	.1380	.1057	.3207	.2154	.0105

#1	2404.	2457.	2441.	2481.	964.2	2404.
#2	2403.	2458.	2437.	2466.	967.6	2404.
#3	2410.	2463.	2436.	2468.	968.1	2404.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/10/2016 14:23:48 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	972.6	4897.	9871.	9681.
Stddev	2.5	9.	1.	47.
%RSD	.2602	.1902	.0112	.4877

#1	975.5	4889.	9870.	9730.
#2	971.5	4907.	9870.	9636.
#3	970.8	4895.	9872.	9677.

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	9133.4	63165.	9680.8
Stddev	36.0	358.	64.8
%RSD	.39401	.56638	.66960

#1	9092.2	63059.	9732.7
#2	9149.8	62872.	9608.1
#3	9158.3	63564.	9701.5

Sample Name: CCB Acquired: 4/10/2016 14:27:18 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0592	-.0450	.6661	.0325	.0684	-7.669
Stddev	20.25	1.023	.2852	.3301	.0532	5.788
%RSD	34210.	2276.	42.82	1016.	77.84	75.48

#1	-13.53	-.2920	.6767	.3505	.1156	-.9851
#2	23.23	-.9224	.9458	.0555	.0107	-10.98
#3	-9.880	1.079	.3757	-.3085	.0787	-11.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0057	-.0349	.1084	-.6593	4.710	45.06
Stddev	.0886	.0955	.8831	.3030	6.349	71.96
%RSD	1560.	273.7	814.9	45.95	134.8	159.7

#1	.0048	.0614	-.3685	-.3230	12.04	127.8
#2	-.0991	-.0365	1.127	-.9109	.9082	-3.180
#3	.0773	-.1296	-.4338	-.7439	1.182	10.60

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/10/2016 14:27:18 Type: QC
Method: BC04012016_P(v16) 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	-10.68	-.3318	19.02	-.2097	.5062	1.244
Stddev	2.89	.1983	33.71	.2978	.4018	1.062
%RSD	27.02	59.76	177.2	142.0	79.38	85.32

#1	-11.27	-.1219	56.35	.0544	.4482	.1142
#2	-13.23	-.3576	9.927	-.1510	.1365	2.221
#3	-7.548	-.5160	-9.205	-.5325	.9339	1.398

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	-.9485	.2593	-.0037	-.0700	.4186	.4164
Stddev	.8792	1.583	.5173	.1453	.4269	.1043
%RSD	92.69	610.6	14000.	207.7	102.0	25.06

#1	-1.964	.3368	.1749	.0788	.9044	.3775
#2	-.4361	-1.361	-.5866	-.0771	.2482	.3371
#3	-.4458	1.802	.4006	-.2115	.1031	.5346

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/10/2016 14:27:18 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.206	.0096	-.3145	-6.634
Stddev	.566	.1841	.0778	4.546
%RSD	46.93	1914.	24.75	68.53

#1	-.9242	.1264	-.2869	-6.463
#2	-1.858	.1050	-.4023	-11.26
#3	-.8368	-.2026	-.2542	-2.176

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	9740.4	66238.	9861.6
Stddev	9.3	345.	46.6
%RSD	.09540	.52121	.47235

#1	9733.2	66246.	9821.3
#2	9737.2	66579.	9912.6
#3	9750.9	65889.	9851.0

Sample Name: CCVL Acquired: 4/10/2016 14:31:12 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	203.9	13.73	9.805	205.6	1.972	5040.
Stddev	3.7	1.35	.660	.1	.085	12.
%RSD	1.826	9.825	6.729	.0679	4.332	.2372

#1	203.1	14.25	9.548	205.6	1.911	5027.
#2	207.9	12.20	10.55	205.7	2.070	5051.
#3	200.6	14.74	9.312	205.4	1.936	5042.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.012	51.40	9.819	22.39	148.9	4743.
Stddev	.035	.40	.475	.42	5.9	41.
%RSD	.8689	.7860	4.837	1.868	3.963	.8632

#1	4.052	51.08	9.354	22.31	145.9	4699.
#2	3.993	51.86	10.30	22.01	155.6	4779.
#3	3.991	51.27	9.799	22.84	145.0	4752.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/10/2016 14:31:12 Type: QC
Method: BC04012016_P(v16) 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	4902.	15.43	4919.	41.57	12.07	18.91
Stddev	41.	.19	22.	.82	.25	2.13
%RSD	.8270	1.261	.4384	1.970	2.098	11.24

#1	4857.	15.32	4936.	42.46	12.04	18.78
#2	4911.	15.32	4895.	41.42	11.84	16.86
#3	4937.	15.66	4925.	40.84	12.34	21.10

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	15.77	20.30	49.81	30.79	46.88	17.79
Stddev	2.14	.57	.33	.21	.44	.10
%RSD	13.59	2.795	.6652	.6721	.9401	.5529

#1	18.22	19.87	49.70	30.86	47.28	17.73
#2	14.85	20.94	49.55	30.96	46.41	17.91
#3	14.24	20.07	50.19	30.56	46.94	17.74

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/10/2016 14:31:12 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	47.91	20.13	19.10	F -1.135
Stddev	.37	.10	.34	6.498
%RSD	.7623	.5011	1.799	572.5

#1	48.14	20.01	18.77	-1.585
#2	47.49	20.19	19.07	5.576
#3	48.11	20.19	19.46	-7.396

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9740.0	66381.	9968.1
Stddev	9.3	82.	19.2
%RSD	.09585	.12317	.19295

#1	9729.2	66465.	9971.9
#2	9745.9	66302.	9947.2
#3	9744.9	66376.	9985.1

Sample Name: ICSA Acquired: 4/10/2016 14:35:02 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	491200.	-3.618	-.0629	-2.696	-.1231	483700.
Stddev	2480.	3.582	.4960	.070	.0891	1845.
%RSD	.5049	99.02	788.5	2.583	72.38	.3815

#1	488400.	-7.245	.3213	-2.747	-.1380	485600.
#2	492900.	-3.527	.1128	-2.724	-.2038	483500.
#3	492400.	-.0819	-.6228	-2.617	-.0275	481900.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1154	-.3416	-1.082	-4.418	191500.	133.5
Stddev	.3406	.2761	.765	.235	1107.	41.8
%RSD	295.1	80.83	70.72	5.332	.5778	31.31

#1	-.0084	-.0405	-.5687	-4.680	192500.	106.8
#2	.5006	-.4013	-1.961	-4.224	191800.	111.9
#3	-.1459	-.5830	-.7155	-4.349	190300.	181.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA Acquired: 4/10/2016 14:35:02 Type: QC
Method: BC04012016_P(v16) 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	495100.	-3.034	13.77	-3.077	.0787	-2.521
Stddev	1793.	.022	31.02	.172	1.727	4.327
%RSD	.3622	.7351	225.3	5.599	2195.	171.6

#1	496900.	-3.024	-13.81	-3.046	1.914	.6565
#2	495100.	-3.018	7.763	-2.922	-.1639	-7.450
#3	493300.	-3.059	47.35	-3.263	-1.514	-.7706

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	2.284	-2.962	-2.751	-1.849	-7.269	-.8596
Stddev	3.431	3.611	.428	.231	.709	.0443
%RSD	150.2	121.9	15.55	12.48	9.756	5.151

#1	3.939	-5.723	-2.257	-1.800	-8.030	-.8123
#2	-1.660	1.124	-2.978	-1.646	-6.626	-.8666
#3	4.574	-4.287	-3.016	-2.100	-7.152	-.9000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSEA Acquired: 4/10/2016 14:35:02 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-3.039	-1.348	-5.825	6.154
Stddev	1.357	.022	.437	3.517
%RSD	44.64	1.640	7.504	57.15

#1	-1.482	-1.329	-6.008	3.429
#2	-3.969	-1.373	-6.141	10.12
#3	-3.665	-1.343	-5.326	4.909

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8769.1	60512.	9635.1
Stddev	26.7	325.	76.1
%RSD	.30503	.53671	.78961

#1	8738.5	60146.	9718.5
#2	8781.0	60623.	9569.4
#3	8787.8	60767.	9617.5

Sample Name: ICSAB Acquired: 4/10/2016 14:39:09 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	498700.	92.46	101.8	98.20	97.59	491300.
Stddev	1586.	1.36	.8	.54	.13	66.
%RSD	.3181	1.471	.7409	.5498	.1284	.0134

#1	497300.	92.02	102.4	97.61	97.67	491300.
#2	500400.	91.37	101.0	98.67	97.65	491300.
#3	498400.	93.98	102.1	98.31	97.44	491400.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	95.29	95.95	97.29	99.47	194500.	10240.
Stddev	.84	.53	.55	.26	418.	51.
%RSD	.8772	.5476	.5691	.2638	.2147	.4957

#1	95.35	96.27	97.00	99.26	194900.	10180.
#2	96.09	96.24	96.94	99.37	194100.	10270.
#3	94.43	95.34	97.92	99.76	194600.	10260.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB Acquired: 4/10/2016 14:39:09 Type: QC
Method: BC04012016_P(v16) 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	504000.	98.19	10380.	92.42	96.48	96.64
Stddev	564.	.43	34.	.19	2.76	2.27
%RSD	.1119	.4362	.3227	.2019	2.858	2.344

#1	503600.	98.50	10340.	92.62	94.51	94.26
#2	504600.	97.71	10400.	92.40	99.63	98.77
#3	503700.	98.37	10400.	92.25	95.31	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	92.41	93.39	95.16	92.93	93.22	91.92
Stddev	2.14	1.77	.39	.78	.78	.42
%RSD	2.313	1.898	.4141	.8408	.8403	.4573

#1	94.88	91.60	94.74	93.46	92.67	92.24
#2	91.25	95.15	95.21	93.29	94.12	92.08
#3	91.11	93.42	95.52	92.03	92.87	91.45

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB Acquired: 4/10/2016 14:39:09 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	91.65	97.85	95.79	109.4
Stddev	1.33	.17	.16	14.3
%RSD	1.451	.1692	.1681	13.04

#1	91.00	97.66	95.94	113.5
#2	93.17	97.95	95.81	121.2
#3	90.76	97.93	95.62	93.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	8731.6	59918.	9408.2
Stddev	25.4	347.	94.7
%RSD	.29130	.57920	1.0062

#1	8708.1	59744.	9514.0
#2	8758.6	60318.	9331.4
#3	8728.1	59693.	9379.2

Sample Name: INT-A 4154117 Acquired: 4/10/2016 14:43:06 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	195.2	-8490	-3.376	.5477	-.3154	14.89
Stddev	248.3	.2360	.379	.1508	.2060	16.44
%RSD	127.2	27.80	11.23	27.54	65.30	110.4
#1	60.62	-1.103	-3.512	.4834	-.3095	33.68
#2	481.8	-.6372	-2.947	.7200	-.1125	3.167
#3	43.30	-.8063	-3.668	.4397	-.5243	7.834

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5003	10180.	-2.702	-3.330	4.233	-22.29
Stddev	.1206	30.	.264	.448	5.842	20.24
%RSD	24.10	.2989	9.756	13.46	138.0	90.79
#1	-.4602	10200.	-2.615	-3.791	9.252	.5840
#2	-.4049	10190.	-2.493	-3.303	5.628	-37.86
#3	-.6358	10140.	-2.998	-2.896	-2.181	-29.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-A 4154117 Acquired: 4/10/2016 14:43:06 Type: QC
Method: BC04012016_P(v16) 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	6.461	-5.518	46.82	-2.708	-.7455	-2.089
Stddev	13.30	.0657	6.20	.411	.7253	1.479
%RSD	205.9	11.10	13.25	15.19	97.29	70.81

#1	20.59	-.5772	43.99	-2.809	-.0355	-1.573
#2	4.606	-.5346	53.93	-2.255	-.7159	-.9371
#3	-5.815	-.6635	42.54	-3.058	-1.485	-3.757

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	-4.447	-1.019	4900.	-1.562	8.907	-1.817
Stddev	2.435	2.254	3.	.126	.142	.383
%RSD	54.76	221.3	.0649	8.089	1.591	21.11

#1	-7.240	-1.810	4902.	-1.492	9.051	-2.040
#2	-3.327	1.524	4900.	-1.486	8.768	-1.374
#3	-2.773	-2.771	4896.	-1.708	8.903	-2.036

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-A 4154117 Acquired: 4/10/2016 14:43:06 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9741.	9777.	-1.750	10400.
Stddev	26.	171.	.434	195.
%RSD	.2681	1.748	24.78	1.875

#1	9762.	9639.	-2.211	10200.
#2	9749.	9968.	-1.688	10410.
#3	9711.	9724.	-1.351	10590.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9769.8	66508.	9977.3
Stddev	33.5	340.	152.3
%RSD	.34318	.51189	1.5264

#1	9731.5	66122.	9844.1
#2	9794.0	66634.	9944.5
#3	9783.9	66767.	10143.

Sample Name: INT-B 4154119 Acquired: 4/10/2016 14:47:04 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.385	1.255	.4339	-.6507	.4140	-103.8
Stddev	8.343	.528	.2065	.0739	.1195	3.5
%RSD	130.7	42.06	47.60	11.36	28.86	3.412
#1	2.149	1.050	.1955	-.7360	.3739	-103.3
#2	-6.782	.8599	.5602	-.6108	.5484	-107.6
#3	-14.52	1.854	.5460	-.6053	.3197	-100.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2682	-1.817	10040.	9522.	-52.60	-34.41
Stddev	.0092	.206	87.	34.	3.69	29.56
%RSD	3.416	11.34	.8659	.3566	7.024	85.89
#1	.2681	-1.644	10070.	9539.	-56.00	-62.80
#2	.2591	-2.045	10110.	9543.	-53.15	-36.62
#3	.2774	-1.763	9944.	9483.	-48.67	-3.812

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-B 4154119 Acquired: 4/10/2016 14:47:04 Type: QC
Method: BC04012016_P(v16) 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	27.58	10050.	-38.56	10340.	.1626	3.230
Stddev	3.99	82.	5.51	55.	.5751	1.308
%RSD	14.46	.8156	14.29	.5331	353.8	40.48

#1	31.19	10100.	-35.46	10370.	.7802	1.726
#2	28.25	10090.	-35.29	10380.	-.3575	3.873
#3	23.30	9951.	-44.92	10280.	.0650	4.093

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	-.3651	-3.533	-3.579	-.2555	-8.871	4757.
Stddev	2.335	1.694	.678	.0363	.654	18.
%RSD	639.5	47.95	18.94	14.19	7.368	.3887

#1	.6731	-1.789	-2.818	-.2248	-8.854	4770.
#2	1.270	-3.636	-3.802	-.2955	-8.226	4765.
#3	-3.039	-5.173	-4.118	-.2463	-9.533	4736.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-B 4154119 Acquired: 4/10/2016 14:47:04 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.090	1.304	9811.	32.52
Stddev	.412	.409	55.	30.52
%RSD	10.07	31.40	.5642	93.87

#1	4.564	1.678	9842.	-2.267
#2	3.833	1.367	9844.	44.99
#3	3.871	.8667	9747.	54.83

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	9628.9	66312.	10092.
Stddev	33.0	585.	10.
%RSD	.34275	.88174	.09811

#1	9611.1	65965.	10086.
#2	9608.7	65984.	10087.
#3	9667.0	66987.	10104.

Sample Name: 460-110314-A-21-C@4 Acquired: 4/10/2016 14:51:01 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36980.	6.391	-.6239	60.87	.4142	24160.
Stddev	148.	1.473	.2229	.36	.0183	73.
%RSD	.3992	23.05	35.72	.5903	4.412	.3019

#1	36820.	5.044	-.8552	60.94	.3986	24190.
#2	37010.	7.964	-.4105	61.19	.4343	24220.
#3	37110.	6.165	-.6060	60.48	.4097	24080.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3951	53.14	103.0	388.7	84660.	5007.
Stddev	.1013	.40	.8	.7	359.	54.
%RSD	25.64	.7581	.7494	.1777	.4244	1.081

#1	-.2886	53.49	103.9	389.2	84940.	4972.
#2	-.4902	53.22	102.4	389.0	84780.	4979.
#3	-.4066	52.70	102.9	387.9	84250.	5069.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110314-A-21-C@4 Acquired: 4/10/2016 14:51:01 Type: Unk
Method: BC04012016_P(v16) 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	28890.	667.7	2736.	112.2	8.168	3.932
Stddev	93.	2.3	11.	.3	.943	1.739
%RSD	.3209	.3439	.4097	.2859	11.55	44.24

#1	28920.	669.7	2723.	112.6	7.080	5.860
#2	28970.	668.1	2739.	112.1	8.754	3.452
#3	28790.	665.2	2745.	112.0	8.671	2.482

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	-4.154	.2712	459.4	120.6	33.17	3.104
Stddev	4.865	2.488	1.9	.3	.53	.385
%RSD	117.1	917.1	.4186	.2657	1.608	12.41

#1	-2.468	-2.579	459.9	120.7	33.67	3.344
#2	-.3557	1.390	461.0	120.8	32.61	2.660
#3	-9.637	2.003	457.2	120.2	33.23	3.308

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110314-A-21-C@4 Acquired: 4/10/2016 14:51:01 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.696	89.05	2206.	409.0
Stddev	.871	.19	8.	14.8
%RSD	23.56	.2129	.3775	3.609

#1	4.292	89.00	2213.	396.8
#2	2.697	88.88	2207.	404.8
#3	4.100	89.26	2197.	425.4

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	9685.1	66481.	10164.
Stddev	50.2	542.	48.
%RSD	.51876	.81598	.47014

#1	9627.2	65894.	10115.
#2	9711.2	66586.	10211.
#3	9716.9	66963.	10167.

Sample Name: 460-111539-A-1-B@4 Acquired: 4/10/2016 14:54:47 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11770.	7.468	.0550	78.66	.6600	1505.
Stddev	40.	1.688	.0587	.11	.0363	8.
%RSD	.3388	22.60	106.7	.1342	5.499	.5586

#1	11720.	5.630	.0509	78.71	.7017	1502.
#2	11790.	8.947	-.0015	78.74	.6426	1515.
#3	11790.	7.829	.1158	78.54	.6357	1499.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9189	10.70	22.81	37.78	36400.	756.0
Stddev	.0338	.16	.71	.72	94.	22.1
%RSD	3.675	1.494	3.134	1.918	.2584	2.923

#1	.9522	10.88	23.43	37.80	36350.	754.2
#2	.8847	10.63	22.96	38.50	36500.	779.0
#3	.9197	10.59	22.03	37.05	36330.	734.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111539-A-1-B@4 Acquired: 4/10/2016 14:54:47 Type: Unk

Method: BC04012016_P(v16) 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	2338.	528.9	31.41	44.10	134.8	4.027
Stddev	22.	1.2	4.69	.18	.8	.712
%RSD	.9561	.2276	14.93	.3991	.5585	17.67

#1	2327.	528.3	36.73	44.25	134.6	4.813
#2	2364.	530.2	27.86	44.14	135.6	3.427
#3	2323.	528.1	29.64	43.90	134.1	3.842

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	.0189	1.607	36.01	375.8	-3.419	-.4364
Stddev	4.096	1.916	.41	.8	.150	.1253
%RSD	21670.	119.3	1.133	.2153	4.387	28.71

#1	-.4370	3.753	36.25	376.1	-3.592	-.5670
#2	-3.831	.0695	36.25	376.5	-3.338	-.3172
#3	4.324	.9968	35.54	374.9	-3.327	-.4251

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111539-A-1-B@4 Acquired: 4/10/2016 14:54:47 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.398	7.739	407.9	527.8
Stddev	.219	.086	.5	13.7
%RSD	4.060	1.110	.1276	2.601

#1	5.211	7.642	408.2	513.9
#2	5.344	7.805	408.1	528.2
#3	5.639	7.770	407.3	541.4

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	9830.8	67129.	10190.
Stddev	43.7	365.	29.
%RSD	.44436	.54379	.28461

#1	9807.6	66859.	10223.
#2	9803.7	66984.	10175.
#3	9881.2	67544.	10171.

Sample Name: 460-111539-A-2-B@4 Acquired: 4/10/2016 14:58:35 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13410.	15.85	.5132	388.7	.7721	11730.
Stddev	64.	1.14	.2727	.4	.0276	48.
%RSD	.4779	7.170	53.13	.1031	3.569	.4052

#1	13330.	15.94	.2485	388.6	.7463	11710.
#2	13450.	14.67	.4980	388.4	.8011	11790.
#3	13440.	16.94	.7932	389.2	.7688	11700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.86	15.53	90.77	189.2	58720.	853.8
Stddev	.20	.14	1.34	.3	115.	8.1
%RSD	1.865	.9325	1.477	.1739	.1955	.9531

#1	10.94	15.39	89.26	188.8	58710.	845.1
#2	10.63	15.51	91.84	189.4	58840.	855.2
#3	11.02	15.68	91.19	189.4	58610.	861.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111539-A-2-B@4 Acquired: 4/10/2016 14:58:35 Type: Unk

Method: BC04012016_P(v16) 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	8205.	696.2	416.8	100.3	2090.	5.232
Stddev	46.	.7	7.4	1.0	6.	1.267
%RSD	.5602	.0978	1.786	.9612	.2670	24.21

#1	8155.	696.0	410.0	99.15	2084.	5.185
#2	8246.	697.0	424.8	100.8	2095.	3.990
#3	8214.	695.8	415.7	100.9	2091.	6.522

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	-6.640	1.315	56.71	1066.	-3.044	3.551
Stddev	2.073	3.342	.56	7.	.276	.243
%RSD	31.23	254.2	.9841	.6875	9.069	6.834

#1	-8.178	-8.878	56.62	1063.	-3.069	3.476
#2	-4.282	-.3288	57.30	1074.	-2.756	3.354
#3	-7.460	5.160	56.20	1060.	-3.306	3.822

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111539-A-2-B@4 Acquired: 4/10/2016 14:58:35 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	88.40	28.25	502.9	715.3
Stddev	.32	.10	.8	3.3
%RSD	.3602	.3463	.1564	.4614

#1	88.74	28.18	502.9	712.8
#2	88.34	28.37	503.6	714.1
#3	88.11	28.22	502.0	719.1

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	9682.7	66284.	10040.
Stddev	87.4	661.	76.
%RSD	.90280	.99722	.75723

#1	9670.2	65760.	10072.
#2	9602.1	66065.	9952.8
#3	9775.6	67026.	10094.

Sample Name: pds 460-111496-A-3-D Acquired: 4/10/2016 15:02:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20330.	1916.	52.44	2481.	51.73	26300.
Stddev	63.	4.	.32	1.	.17	35.
%RSD	.3080	.1886	.6186	.0484	.3282	.1332
#1	20280.	1912.	52.11	2482.	51.71	26300.
#2	20310.	1919.	52.44	2480.	51.57	26270.
#3	20400.	1918.	52.76	2480.	51.91	26340.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.40	512.4	241.7	353.6	41690.	19080.
Stddev	.15	1.3	1.7	2.7	42.	73.
%RSD	.2872	.2606	.7137	.7560	.0996	.3813
#1	51.34	513.3	239.8	351.6	41650.	18990.
#2	51.29	513.1	242.2	352.7	41700.	19100.
#3	51.57	510.9	243.1	356.7	41730.	19130.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-111496-A-3-D Acquired: 4/10/2016 15:02:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23530.	1176.	19680.	604.3	1580.	469.4
Stddev	29.	1.	37.	.9	4.	.2
%RSD	.1245	.0520	.1903	.1408	.2455	.0475

#1	23540.	1176.	19640.	603.5	1580.	469.4
#2	23500.	1176.	19700.	604.2	1584.	469.1
#3	23550.	1177.	19710.	605.2	1576.	469.5

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	1882.	2023.	562.9	1495.	492.9	476.7
Stddev	7.	14.	3.1	2.	3.5	1.2
%RSD	.3857	.7104	.5560	.1488	.7131	.2529

#1	1884.	2025.	560.4	1492.	491.7	477.7
#2	1874.	2007.	561.7	1497.	490.1	475.4
#3	1887.	2036.	566.4	1495.	496.9	477.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-111496-A-3-D Acquired: 4/10/2016 15:02:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	593.1	571.7	1200.	1224.
Stddev	1.1	.4	1.	22.
%RSD	.1897	.0668	.0799	1.786

#1	592.3	571.8	1199.	1201.
#2	592.6	571.3	1200.	1244.
#3	594.4	572.0	1201.	1227.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9651.2	65755.	9926.8
Stddev	27.1	485.	29.5
%RSD	.28094	.73764	.29753

#1	9620.5	65235.	9892.7
#2	9661.1	65834.	9944.2
#3	9671.9	66196.	9943.5

Sample Name: 460-111496-A-3-F MS Acquired: 4/10/2016 15:05:52 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24050.	939.5	23.33	1786.	26.49	20830.
Stddev	150.	4.1	.23	3.	.16	130.
%RSD	.6220	.4354	.9895	.1670	.6072	.6253

#1	23900.	941.5	23.44	1787.	26.36	20710.
#2	24050.	942.2	23.49	1788.	26.44	20800.
#3	24200.	934.8	23.07	1782.	26.67	20970.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.38	262.5	143.4	221.7	80560.	10560.
Stddev	.10	.7	.7	.5	435.	128.
%RSD	.3942	.2532	.4783	.2266	.5404	1.208

#1	26.26	261.8	142.6	222.1	80140.	10430.
#2	26.43	262.7	143.6	221.9	80530.	10570.
#3	26.45	263.1	143.9	221.2	81010.	10680.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111496-A-3-F MS Acquired: 4/10/2016 15:05:52 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13640.	1467.	9779.	333.6	1216.	175.8
Stddev	65.	4.	45.	1.2	2.	2.8
%RSD	.4795	.3029	.4631	.3493	.1524	1.575

#1	13590.	1462.	9739.	333.4	1215.	175.9
#2	13630.	1466.	9768.	332.5	1218.	172.9
#3	13710.	1471.	9828.	334.8	1214.	178.4

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	908.6	990.1	318.1	1291.	237.4	229.6
Stddev	3.5	5.4	.3	2.	.6	.6
%RSD	.3861	.5459	.0934	.1727	.2450	.2783

#1	907.8	985.5	318.0	1288.	237.9	228.9
#2	905.5	996.1	317.8	1292.	237.6	229.7
#3	912.4	988.9	318.4	1291.	236.8	230.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111496-A-3-F MS Acquired: 4/10/2016 15:05:52 Type: Unk
 Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	257.4	340.6	1126.	1643.
Stddev	1.7	.8	2.	21.
%RSD	.6746	.2483	.1357	1.292

#1	255.4	340.3	1127.	1641.
#2	258.6	341.6	1128.	1665.
#3	258.2	340.0	1125.	1623.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9646.9	65506.	9758.3
Stddev	17.2	479.	324.4
%RSD	.17820	.73132	3.3242

#1	9627.1	65781.	9998.0
#2	9655.6	65784.	9887.7
#3	9658.0	64953.	9389.2

Sample Name: 460-111496-A-3-E DU Acquired: 4/10/2016 15:09:30 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16080.	14.38	.5683	486.3	1.135	6008.
Stddev	123.	1.84	.4492	2.6	.115	32.
%RSD	.7661	12.82	79.04	.5327	10.12	.5378

#1	16230.	16.49	.2236	489.3	1.058	6042.
#2	16020.	13.58	.4050	485.2	1.267	6004.
#3	16010.	13.07	1.076	484.5	1.081	5978.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.327	10.88	41.91	2966.	39010.	1415.
Stddev	.127	.33	.85	22.	200.	38.
%RSD	5.458	3.008	2.034	.7272	.5136	2.718

#1	2.469	11.25	42.06	2991.	39210.	1397.
#2	2.224	10.74	40.99	2951.	39000.	1460.
#3	2.288	10.64	42.67	2957.	38810.	1389.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111496-A-3-E DU Acquired: 4/10/2016 15:09:30 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3370.	617.0	123.5	77.42	926.1	2.406
Stddev	19.	2.8	23.8	1.17	3.0	1.635
%RSD	.5731	.4563	19.25	1.512	.3190	67.96

#1	3390.	620.3	149.2	78.73	928.2	3.703
#2	3369.	615.8	119.3	77.05	927.3	2.946
#3	3351.	615.1	102.2	76.48	922.7	.5692

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	.4426	.3219	67.37	974.0	-1.676	.1421
Stddev	2.374	1.193	1.26	.6	.997	.5393
%RSD	536.3	370.7	1.872	.0574	59.47	379.5

#1	3.100	.4966	68.83	974.1	-.5254	.7347
#2	-1.467	-.9492	66.56	974.5	-2.280	.0116
#3	-.3048	1.418	66.73	973.4	-2.222	-.3200

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111496-A-3-E DU Acquired: 4/10/2016 15:09:30 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	16.67	60.20	734.9	1057.
Stddev	.55	.49	4.5	16.
%RSD	3.316	.8222	.6109	1.556

#1	16.71	60.75	740.1	1076.
#2	16.11	60.04	732.5	1047.
#3	17.21	59.80	732.2	1048.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9869.7	67377.	10148.
Stddev	36.2	181.	46.
%RSD	.36691	.26796	.45256

#1	9827.9	67187.	10126.
#2	9889.9	67397.	10201.
#3	9891.4	67547.	10117.

Sample Name: CCV Acquired: 4/10/2016 15:13:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121400.	2441.	1213.	9918.	986.5	122900.
Stddev	483.	13.	5.	14.	2.8	467.
%RSD	.3979	.5342	.3731	.1450	.2873	.3797

#1	121400.	2426.	1208.	9923.	984.2	122700.
#2	121900.	2447.	1216.	9929.	989.7	123500.
#3	120900.	2450.	1216.	9902.	985.7	122600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1226.	2448.	4971.	12240.	98830.	48230.
Stddev	1.	3.	18.	55.	298.	139.
%RSD	.1150	.1395	.3600	.4512	.3017	.2877

#1	1227.	2445.	4954.	12180.	98680.	48200.
#2	1226.	2452.	4989.	12240.	99170.	48380.
#3	1224.	2449.	4971.	12290.	98640.	48110.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/10/2016 15:13:17 Type: QC
Method: BC04012016_P(v16) 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	123300.	5040.	123100.	2474.	7374.	973.5
Stddev	555.	16.	458.	4.	18.	3.2
%RSD	.4500	.3223	.3721	.1693	.2424	.3283

#1	122900.	5028.	123200.	2471.	7386.	970.5
#2	124000.	5059.	123500.	2478.	7382.	973.2
#3	123100.	5034.	122600.	2471.	7353.	976.9

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	2404.	2456.	2459.	2469.	970.1	2408.
Stddev	21.	8.	5.	8.	8.6	3.
%RSD	.8641	.3242	.2059	.3155	.8814	.1413

#1	2383.	2464.	2453.	2476.	960.2	2405.
#2	2405.	2448.	2463.	2469.	974.3	2412.
#3	2424.	2455.	2460.	2461.	975.7	2408.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/10/2016 15:13:17 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	973.5	4891.	9972.	9644.
Stddev	2.6	10.	33.	67.
%RSD	.2701	.2028	.3319	.6953

#1	971.1	4890.	9934.	9570.
#2	976.3	4902.	9996.	9662.
#3	973.2	4882.	9986.	9700.

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	9192.5	63000.	9719.2
Stddev	7.1	242.	109.9
%RSD	.07710	.38337	1.1311

#1	9186.3	62983.	9619.3
#2	9191.0	62768.	9701.2
#3	9200.3	63250.	9837.0

Sample Name: CCB Acquired: 4/10/2016 15:16:46 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.274	-.9392	.3684	-.2388	.0271	-18.37
Stddev	13.91	.6219	.4131	.1374	.0900	8.21
%RSD	191.2	66.21	112.2	57.52	332.2	44.68

#1	9.094	-1.615	.3885	-.3000	.0325	-13.59
#2	-7.456	-.8115	.7710	-.0815	-.0655	-27.85
#3	20.18	-.3911	-.0545	-.3349	.1143	-13.67

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0154	-.2276	-1.023	-1.145	-5.538	-8.159
Stddev	.0548	.0866	.086	.474	5.081	53.10
%RSD	354.9	38.06	8.379	41.36	91.74	650.8

#1	.0029	-.1456	-.9742	-.7480	-7.752	35.51
#2	-.0320	-.2190	-1.122	-1.670	.2740	7.285
#3	.0754	-.3183	-.9737	-1.018	-9.136	-67.27

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/10/2016 15:16:46 Type: QC
Method: BC04012016_P(v16) 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	-11.47	-4.830	-29.84	-5.842	-4.174	1.272
Stddev	6.34	.0731	20.04	.3762	.6204	1.375
%RSD	55.27	15.14	67.15	64.39	148.6	108.1

#1	-11.98	-.4025	-6.732	-.1607	-.2204	-.1843
#2	-4.893	-.5015	-40.42	-.8795	-1.112	2.548
#3	-17.54	-.5452	-42.37	-.7123	.0806	1.452

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	1.644	.0985	.2317	-.1150	-2.155	-.5198
Stddev	2.020	.1037	.1502	.0508	.501	.1306
%RSD	122.8	105.2	64.83	44.15	23.27	25.12

#1	-.6824	-.0122	.3472	-.1440	-1.621	-.3760
#2	2.950	.1147	.0619	-.0564	-2.616	-.5522
#3	2.666	.1932	.2861	-.1446	-2.226	-.6310

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/10/2016 15:16:46 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.7332	-.2127	-.8755	2.124
Stddev	.1856	.0590	.3247	18.19
%RSD	25.32	27.72	37.09	856.4

#1	-.5188	-.1698	-1.231	23.13
#2	-.8425	-.1884	-.8012	-8.679
#3	-.8382	-.2799	-.5944	-8.075

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	9675.5	65599.	9893.6
Stddev	10.3	616.	193.3
%RSD	.10664	.93858	1.9539

#1	9684.2	66257.	10107.
#2	9678.2	65501.	9730.2
#3	9664.1	65038.	9843.5

Sample Name: CCVL Acquired: 4/10/2016 15:20:40 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	198.7	14.80	9.683	206.5	2.009	5068.
Stddev	10.6	1.49	.450	.2	.041	18.
%RSD	5.350	10.07	4.642	.0868	2.053	.3639

#1	196.3	14.26	9.562	206.3	1.965	5056.
#2	210.4	13.65	10.18	206.7	2.047	5090.
#3	189.5	16.48	9.306	206.4	2.015	5059.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.010	51.48	9.948	23.45	151.7	4688.
Stddev	.037	.25	.600	.57	2.4	24.
%RSD	.9125	.4920	6.027	2.446	1.596	.5127

#1	4.036	51.46	10.62	23.97	149.9	4694.
#2	4.027	51.74	9.741	23.55	154.5	4708.
#3	3.968	51.23	9.479	22.83	150.7	4661.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/10/2016 15:20:40 Type: QC
Method: BC04012016_P(v16) 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	4939.	15.60	4917.	41.53	11.28	19.51
Stddev	25.	.08	7.	.25	.69	1.89
%RSD	.5041	.5434	.1482	.5902	6.147	9.699

#1	4919.	15.57	4910.	41.81	10.68	20.88
#2	4967.	15.70	4918.	41.34	11.12	17.35
#3	4930.	15.54	4924.	41.45	12.04	20.31

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	16.19	19.63	50.43	30.93	45.62	17.66
Stddev	.88	2.73	.15	.14	.33	.25
%RSD	5.445	13.91	.3055	.4603	.7193	1.401

#1	15.21	16.81	50.35	30.76	45.63	17.43
#2	16.92	22.26	50.61	31.02	45.95	17.92
#3	16.44	19.81	50.33	30.99	45.29	17.64

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/10/2016 15:20:40 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	47.66	19.96	19.18	F 3.414
Stddev	.54	.04	.17	3.657
%RSD	1.127	.2166	.8713	107.1

#1	47.51	19.93	19.34	-.7907
#2	48.26	20.01	19.01	5.181
#3	47.21	19.94	19.20	5.852

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9715.1	65952.	9961.9
Stddev	19.2	285.	60.4
%RSD	.19793	.43277	.60586

#1	9693.0	65779.	9907.4
#2	9727.7	65795.	10027.
#3	9724.6	66281.	9951.5

Sample Name: 460-111496-A-3-D@4 Acquired: 4/10/2016 15:24:31 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18410.	14.38	.3401	497.5	1.198	6782.
Stddev	12.	1.35	.3375	.9	.065	50.
%RSD	.0633	9.386	99.23	.1838	5.422	.7330

#1	18400.	13.03	.6642	497.5	1.169	6737.
#2	18420.	14.39	.3654	498.4	1.153	6836.
#3	18420.	15.73	-.0093	496.6	1.273	6774.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.949	12.83	36.20	110.4	41230.	1411.
Stddev	.030	.38	.63	.4	89.	11.
%RSD	1.522	2.956	1.732	.3921	.2159	.7613

#1	1.961	12.88	35.51	110.0	41230.	1419.
#2	1.970	13.17	36.74	110.3	41330.	1416.
#3	1.915	12.42	36.35	110.9	41150.	1399.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111496-A-3-D@4 Acquired: 4/10/2016 15:24:31 Type: Unk

Method: BC04012016_P(v16) 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	4317.	675.0	140.5	95.18	1104.	1.330
Stddev	36.	1.2	4.3	.54	3.	1.000
%RSD	.8335	.1728	3.096	.5663	.2342	75.20

#1	4284.	674.7	143.4	95.29	1101.	.8134
#2	4356.	676.3	142.5	94.59	1105.	2.482
#3	4311.	674.0	135.5	95.65	1107.	.6936

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	-1.122	.6191	65.49	1005.	-2.538	-.0891
Stddev	2.946	1.093	.58	2.	.352	.2371
%RSD	262.7	176.5	.8870	.2354	13.86	266.0

#1	1.636	1.682	64.84	1007.	-2.850	.1842
#2	-4.226	-.5013	65.96	1002.	-2.606	-.2392
#3	-.7740	.6769	65.68	1005.	-2.157	-.2125

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111496-A-3-D@4 Acquired: 4/10/2016 15:24:31 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	101.4	83.29	696.1	1197.
Stddev	.7	.72	1.9	30.
%RSD	.6581	.8595	.2679	2.496

#1	101.6	82.81	697.8	1173.
#2	102.0	82.95	696.3	1187.
#3	100.7	84.11	694.1	1230.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9720.2	66174.	10141.
Stddev	71.4	494.	130.
%RSD	.73490	.74674	1.2865

#1	9638.9	65844.	10018.
#2	9773.2	65936.	10128.
#3	9748.3	66742.	10278.

Sample Name: sd460-111496-A-3-D Acquired: 4/10/2016 15:28:16 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x209

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3743.	2.585	.2357	99.61	.2107	1370.
Stddev	13.	.555	.2573	.31	.1357	8.
%RSD	.3340	21.48	109.2	.3115	64.40	.6090

#1	3752.	2.202	.3054	99.96	.3573	1362.
#2	3748.	2.332	-.0492	99.42	.1855	1378.
#3	3729.	3.222	.4509	99.44	.0894	1368.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2346	2.243	7.112	20.29	8523.	218.1
Stddev	.0824	.213	.500	.36	30.	40.0
%RSD	35.11	9.479	7.034	1.794	.3540	18.34

#1	.1456	1.998	7.358	20.21	8488.	180.9
#2	.2500	2.353	7.442	19.97	8542.	260.4
#3	.3081	2.377	6.537	20.69	8538.	213.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd460-111496-A-3-D Acquired: 4/10/2016 15:28:16 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x209

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	866.0	139.5	-18.14	19.48	223.1	.6156
Stddev	7.1	.8	5.96	.59	.7	.3444
%RSD	.8212	.5474	32.89	3.047	.2957	55.95

#1	860.1	138.6	-16.77	19.13	223.8	.7741
#2	863.8	140.0	-12.97	20.16	223.1	.2204
#3	873.9	139.8	-24.66	19.14	222.5	.8523

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	-3.435	-2.035	13.07	208.4	-3.163	-1.944
Stddev	.338	1.430	.11	.3	.266	.216
%RSD	9.825	70.29	.8033	.1522	8.400	11.13

#1	-3.217	-.7405	13.19	208.1	-3.306	-1.960
#2	-3.265	-1.793	13.00	208.7	-3.328	-2.152
#3	-3.824	-3.570	13.03	208.2	-2.857	-1.720

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd460-111496-A-3-D Acquired: 4/10/2016 15:28:16 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x209

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	19.62	16.60	140.1	237.3
Stddev	.34	.12	.7	3.5
%RSD	1.741	.7108	.5058	1.495

#1	19.70	16.53	139.3	240.5
#2	19.24	16.74	140.5	233.5
#3	19.91	16.54	140.5	238.0

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	9641.9	65197.	9762.2
Stddev	4.8	472.	133.2
%RSD	.04956	.72353	1.3649

#1	9643.6	65741.	9915.6
#2	9645.6	64924.	9695.4
#3	9636.5	64925.	9675.5

Sample Name: MB 460-361465/1-A@2 Acquired: 4/10/2016 15:32:05 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.520	-1.381	.2603	-.2832	.0859	-13.36
Stddev	3.828	.821	.3164	.0617	.1669	1.61
%RSD	108.8	59.43	121.5	21.77	194.1	12.02

#1	7.664	-1.947	.5409	-.2346	-.0827	-14.56
#2	2.781	-.4397	-.0826	-.2624	.2510	-13.97
#3	.1149	-1.756	.3226	-.3525	.0896	-11.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1956	-.3065	-.0643	-1.996	9.190	-63.10
Stddev	.0280	.1551	.2753	.397	7.054	21.62
%RSD	14.29	50.59	428.1	19.89	76.76	34.26

#1	-.1687	-.3475	.0761	-1.570	5.315	-78.08
#2	-.2245	-.4370	.1125	-2.061	17.33	-72.89
#3	-.1935	-.1351	-.3815	-2.357	4.924	-38.32

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-361465/1-A@2 Acquired: 4/10/2016 15:32:05 Type: QC
Method: BC04012016_P(v16) 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	-10.39	-.4322	-58.88	-.0131	.4610	.6993
Stddev	1.55	.0139	8.10	.2868	.8320	1.058
%RSD	14.90	3.224	13.76	2187.	180.4	151.3

#1	-8.998	-.4166	-58.59	-.2216	1.252	1.264
#2	-10.11	-.4434	-67.13	.3140	.5374	1.356
#3	-12.05	-.4367	-50.93	-.1317	-.4065	-.5212

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	-2.051	-3.584	-.2624	1.190	-2.918	-2.330
Stddev	2.072	2.148	.3617	.083	.312	.235
%RSD	101.1	59.93	137.9	7.013	10.68	10.07

#1	-4.439	-3.343	-.6664	1.227	-2.558	-2.121
#2	-.7288	-5.842	.0313	1.248	-3.106	-2.584
#3	-.9840	-1.567	-.1519	1.094	-3.089	-2.286

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-361465/1-A@2 Acquired: 4/10/2016 15:32:05 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9.074	-.0934	-2.229	9.471
Stddev	.664	.0664	.180	3.236
%RSD	7.317	71.06	8.061	34.16

#1	9.528	-.1679	-2.152	8.329
#2	9.383	-.0406	-2.101	13.12
#3	8.312	-.0717	-2.435	6.962

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	9692.9	66254.	10099.
Stddev	42.9	1289.	248.
%RSD	.44248	1.9450	2.4577

#1	9645.7	64767.	9813.1
#2	9729.4	67043.	10253.
#3	9703.6	66953.	10232.

Sample Name: LCSSRM 460-361465/2- Acquired: 4/10/2016 15:36:00 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39110.	743.6	156.0	1130.	507.4	29200.
Stddev	354.	8.6	2.5	15.	5.1	430.
%RSD	.9046	1.150	1.596	1.315	1.011	1.474
#1	38850.	734.5	153.7	1116.	503.1	28770.
#2	38960.	744.9	155.7	1128.	506.2	29200.
#3	39510.	751.5	158.7	1145.	513.1	29630.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	459.9	833.1	767.6	892.1	74810.	11540.
Stddev	5.5	10.4	9.9	9.4	959.	165.
%RSD	1.190	1.250	1.290	1.056	1.282	1.428
#1	454.6	822.7	757.3	882.2	73850.	11430.
#2	459.5	833.1	768.3	893.1	74810.	11450.
#3	465.5	843.5	777.1	901.0	75770.	11730.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-361465/2- Acquired: 4/10/2016 15:36:00 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13340.	1696.	4239.	718.3	774.8	417.1
Stddev	164.	21.	41.	11.2	11.0	7.8
%RSD	1.232	1.245	.9746	1.557	1.424	1.881

#1	13180.	1675.	4206.	708.1	764.5	409.3
#2	13330.	1695.	4225.	716.4	773.5	417.2
#3	13500.	1718.	4285.	730.2	786.5	425.0

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	891.6	769.2	589.8	1026.	685.0	603.0
Stddev	13.4	11.7	5.9	11.	11.5	8.4
%RSD	1.498	1.521	1.002	1.100	1.681	1.385

#1	880.8	757.9	583.5	1017.	673.5	594.6
#2	887.3	768.3	590.6	1023.	684.9	602.9
#3	906.5	781.3	595.3	1039.	696.5	611.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-361465/2- Acquired: 4/10/2016 15:36:00 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	740.6	529.1	1694.	2115.
Stddev	10.2	4.8	18.	34.
%RSD	1.372	.9115	1.046	1.589

#1	730.6	526.0	1676.	2077.
#2	740.2	526.8	1693.	2126.
#3	751.0	534.7	1712.	2142.

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	9793.7	66667.	10264.
Stddev	44.1	253.	71.
%RSD	.45030	.37994	.69276

#1	9743.2	66383.	10186.
#2	9813.6	66748.	10324.
#3	9824.4	66870.	10284.

Sample Name: 460-111496-A-1-B@4 Acquired: 4/10/2016 15:39:35 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16570.	9.953	.6892	2049.	.8436	2610.
Stddev	36.	.318	.1598	9.	.0844	12.
%RSD	.2164	3.194	23.18	.4406	10.01	.4615

#1	16530.	10.22	.7824	2054.	.9410	2597.
#2	16600.	9.603	.5048	2055.	.7984	2612.
#3	16580.	10.03	.7806	2039.	.7914	2620.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6966	10.84	30.26	94.35	33030.	788.5
Stddev	.0771	.41	.93	.90	43.	12.1
%RSD	11.07	3.820	3.063	.9558	.1306	1.534

#1	.7828	11.30	30.74	95.01	33060.	776.1
#2	.6342	10.49	29.19	94.71	33040.	789.0
#3	.6728	10.74	30.85	93.32	32980.	800.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111496-A-1-B@4 Acquired: 4/10/2016 15:39:35 Type: Unk

Method: BC04012016_P(v16) 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	2749.	872.4	8.908	39.01	10090.	1.985
Stddev	6.	.7	4.523	.34	26.	.788
%RSD	.2290	.0750	50.78	.8845	.2581	39.68

#1	2745.	871.9	4.058	38.71	10100.	2.863
#2	2747.	873.2	13.01	38.92	10110.	1.338
#3	2756.	872.3	9.657	39.38	10060.	1.756

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	.6684	-1.4870	33.05	675.6	-1.174	-1.020
Stddev	1.608	1.007	.28	2.1	.816	.119
%RSD	240.5	206.7	.8476	.3153	69.51	11.69

#1	-1.136	.6755	32.84	674.3	-.4073	-1.157
#2	1.949	-1.061	33.37	678.1	-1.084	-.9686
#3	1.192	-1.076	32.93	674.5	-2.032	-.9355

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111496-A-1-B@4 Acquired: 4/10/2016 15:39:35 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.59	49.02	615.7	934.1
Stddev	.62	.19	1.7	15.0
%RSD	5.825	.3964	.2761	1.611

#1	10.85	48.91	617.2	928.6
#2	11.03	48.91	616.0	922.6
#3	9.885	49.25	613.9	951.2

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	9697.2	65828.	10066.
Stddev	5.2	86.	51.
%RSD	.05328	.13085	.50962

#1	9701.4	65740.	10121.
#2	9691.4	65832.	10057.
#3	9698.7	65913.	10020.

Sample Name: 460-111496-A-2-B@4 Acquired: 4/10/2016 15:43:20 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18130.	25.14	.7641	1310.	.8799	28180.
Stddev	45.	.84	.2390	4.	.0257	98.
%RSD	.2478	3.350	31.28	.2971	2.917	.3486

#1	18090.	25.28	.9786	1312.	.9086	28280.
#2	18110.	24.23	.8073	1313.	.8591	28080.
#3	18180.	25.90	.5064	1306.	.8719	28180.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.152	16.35	60.64	216.8	79350.	1475.
Stddev	.090	.29	.67	.6	193.	27.
%RSD	1.261	1.757	1.106	.2912	.2430	1.859

#1	7.134	16.68	60.72	216.4	79570.	1465.
#2	7.250	16.17	61.27	217.5	79190.	1506.
#3	7.073	16.18	59.93	216.4	79300.	1453.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111496-A-2-B@4 Acquired: 4/10/2016 15:43:20 Type: Unk

Method: BC04012016_P(v16) 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	9523.	862.5	132.0	55.91	5555.	7.581
Stddev	27.	2.6	8.0	.10	9.	1.401
%RSD	.2870	.3018	6.038	.1776	.1539	18.48

#1	9537.	865.2	122.9	56.01	5549.	8.819
#2	9491.	860.0	137.6	55.91	5565.	7.865
#3	9540.	862.4	135.6	55.81	5551.	6.060

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	-.5839	3.016	61.87	1807.	6.228	1.425
Stddev	2.342	4.161	.16	7.	.809	.295
%RSD	401.2	138.0	.2562	.3825	12.99	20.70

#1	-2.102	-1.788	61.99	1800.	7.138	1.717
#2	-1.763	5.397	61.69	1813.	5.953	1.432
#3	2.114	5.439	61.93	1810.	5.592	1.127

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111496-A-2-B@4 Acquired: 4/10/2016 15:43:20 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	35.60	123.2	610.1	832.6
Stddev	.29	.5	.4	25.6
%RSD	.8176	.3925	.0713	3.073

#1	35.27	122.8	610.2	803.1
#2	35.73	123.0	610.4	848.8
#3	35.80	123.7	609.6	846.0

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	9645.5	65916.	10201.
Stddev	11.8	803.	172.
%RSD	.12248	1.2181	1.6828

#1	9657.0	65011.	10063.
#2	9646.1	66541.	10393.
#3	9633.4	66196.	10148.

Sample Name: 460-111496-A-4-B@4 Acquired: 4/10/2016 15:47:06 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18870.	11.14	.5062	340.7	1.007	2520.
Stddev	66.	1.43	.1470	.7	.045	18.
%RSD	.3524	12.89	29.03	.2137	4.457	.7253

#1	18800.	9.495	.6760	341.5	1.057	2500.
#2	18930.	12.15	.4219	340.2	.9944	2525.
#3	18870.	11.76	.4209	340.3	.9696	2535.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6776	16.11	33.38	101.6	37810.	818.8
Stddev	.0742	.10	.59	.9	165.	15.3
%RSD	10.95	.5954	1.761	.8804	.4376	1.866

#1	.7147	16.01	32.96	101.3	37630.	802.7
#2	.5922	16.12	33.13	100.9	37960.	820.5
#3	.7259	16.20	34.06	102.6	37840.	833.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111496-A-4-B@4 Acquired: 4/10/2016 15:47:06 Type: Unk

Method: BC04012016_P(v16) 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	3097.	1158.	4.970	52.62	3767.	2.092
Stddev	30.	3.	7.838	.42	7.	1.548
%RSD	.9786	.2946	157.7	.7964	.1740	74.00

#1	3068.	1155.	1.185	52.84	3775.	2.146
#2	3095.	1161.	-.2571	52.89	3762.	.5177
#3	3129.	1160.	13.98	52.14	3764.	3.613

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	-.6624	.0291	36.46	763.0	-2.132	-.9826
Stddev	.1701	2.742	.25	.7	.631	.0916
%RSD	25.68	9428.	.6980	.0901	29.59	9.318

#1	-.6810	1.765	36.22	763.7	-1.813	-1.047
#2	-.8223	1.455	36.73	762.9	-2.859	-.8777
#3	-.4837	-3.132	36.44	762.3	-1.725	-1.023

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111496-A-4-B@4 Acquired: 4/10/2016 15:47:06 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	8.006	19.45	609.6	823.1
Stddev	.625	.08	1.2	12.3
%RSD	7.802	.4061	.2046	1.499

#1	8.706	19.44	608.2	831.2
#2	7.506	19.38	610.1	808.9
#3	7.806	19.54	610.6	829.2

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	9729.5	66601.	10240.
Stddev	24.1	50.	35.
%RSD	.24735	.07499	.34046

#1	9701.9	66643.	10268.
#2	9740.9	66615.	10201.
#3	9745.8	66546.	10252.

Sample Name: 460-110302-A-2-D@4 Acquired: 4/10/2016 15:50:51 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	63510.	33.72	-.3228	455.7	4.667	9433.
Stddev	339.	1.41	.3572	1.1	.160	38.
%RSD	.5330	4.190	110.6	.2316	3.423	.4065

#1	63200.	35.28	.0642	455.1	4.811	9406.
#2	63870.	32.52	-.6398	456.9	4.693	9477.
#3	63450.	33.37	-.3928	455.1	4.495	9416.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5853	76.21	175.5	52.55	171900.	14710.
Stddev	.2566	.34	.9	.43	483.	20.
%RSD	43.85	.4479	.4901	.8149	.2810	.1332

#1	-.4007	76.55	174.5	52.07	171700.	14730.
#2	-.4768	76.23	175.9	52.72	172500.	14720.
#3	-.8783	75.86	176.1	52.87	171600.	14690.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110302-A-2-D@4 Acquired: 4/10/2016 15:50:51 Type: Unk

Method: BC04012016_P(v16) 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	46900.	2187.	814.5	185.4	90.12	9.465
Stddev	162.	5.	10.0	.4	.62	1.852
%RSD	.3459	.2216	1.228	.2180	.6846	19.57

#1	46760.	2183.	805.0	185.8	90.46	10.04
#2	47080.	2192.	824.9	185.2	89.40	10.96
#3	46860.	2185.	813.6	185.1	90.48	7.394

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	-1.753	6.620	155.1	464.2	68.51	2.626
Stddev	1.225	.965	1.0	2.8	.81	.217
%RSD	69.89	14.57	.6194	.6093	1.181	8.280

#1	-.5179	7.624	154.0	463.2	67.61	2.518
#2	-1.773	6.535	155.9	467.4	69.17	2.484
#3	-2.968	5.701	155.4	462.0	68.76	2.876

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110302-A-2-D@4 Acquired: 4/10/2016 15:50:51 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.363	51.49	2785.	1024.
Stddev	.179	.35	3.	5.
%RSD	2.817	.6874	.1078	.4494

#1	6.298	51.09	2782.	1026.
#2	6.566	51.67	2788.	1018.
#3	6.226	51.72	2785.	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	9706.6	66267.	10214.
Stddev	30.1	213.	150.
%RSD	.30977	.32126	1.4636

#1	9673.4	66205.	10257.
#2	9714.4	66091.	10048.
#3	9732.0	66503.	10338.

Sample Name: 460-110302-A-4-F@4 Acquired: 4/10/2016 15:54:34 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	79900.	32.98	-.1381	647.6	8.006	11880.
Stddev	1180.	2.54	.4098	10.4	.090	252.
%RSD	1.477	7.692	296.7	1.607	1.126	2.125

#1	78690.	33.09	-.5798	636.5	8.053	11630.
#2	79970.	30.39	-.0646	649.2	7.902	11880.
#3	81050.	35.46	.2299	657.1	8.064	12130.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7890	102.9	195.0	48.82	F 215900.	17330.
Stddev	.0790	1.8	4.7	1.21	4348.	177.
%RSD	10.01	1.759	2.430	2.474	2.014	1.021

#1	-.7050	101.0	190.7	47.81	211500.	17170.
#2	-.8002	103.2	194.2	48.50	216100.	17290.
#3	-.8618	104.6	200.1	50.16	220200.	17520.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-110302-A-4-F@4 Acquired: 4/10/2016 15:54:34 Type: Unk

Method: BC04012016_P(v16) 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	60420.	3754.	916.3	269.4	112.8	10.63
Stddev	1339.	73.	14.2	5.0	1.8	3.62
%RSD	2.216	1.942	1.549	1.853	1.596	34.03

#1	59080.	3680.	899.9	264.1	110.9	7.028
#2	60410.	3756.	924.6	270.3	113.0	14.26
#3	61760.	3826.	924.3	273.9	114.5	10.59

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	-4.950	8.830	206.6	588.6	109.5	3.870
Stddev	2.153	1.510	5.1	6.8	1.2	.235
%RSD	43.49	17.10	2.491	1.163	1.052	6.070

#1	-7.202	10.07	201.3	581.5	108.6	3.630
#2	-2.913	7.149	206.7	589.2	109.1	4.099
#3	-4.733	9.265	211.6	595.1	110.8	3.882

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110302-A-4-F@4 Acquired: 4/10/2016 15:54:34 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.763	66.20	2678.	1319.
Stddev	.774	1.20	50.	23.
%RSD	16.25	1.817	1.878	1.722

#1	5.396	65.04	2626.	1295.
#2	4.994	66.12	2682.	1341.
#3	3.900	67.44	2726.	1320.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9762.6	66643.	10384.
Stddev	52.1	185.	97.
%RSD	.53367	.27779	.93724

#1	9704.0	66449.	10329.
#2	9779.9	66818.	10326.
#3	9803.8	66663.	10496.

Sample Name: 460-110302-A-6-D@4 Acquired: 4/10/2016 15:58:15 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52880.	46.84	-.2260	476.4	4.261	10330.
Stddev	108.	2.16	.5595	2.4	.048	11.
%RSD	.2038	4.621	247.5	.4981	1.134	.1057

#1	52920.	47.59	-.8505	477.5	4.209	10340.
#2	52960.	48.53	.2296	478.0	4.270	10320.
#3	52760.	44.40	-.0572	473.7	4.304	10330.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7185	71.16	149.0	91.35	147500.	11420.
Stddev	.1633	.59	.6	.93	219.	63.
%RSD	22.73	.8316	.4029	1.022	.1482	.5473

#1	.5818	71.07	149.4	90.70	147700.	11350.
#2	.8993	71.79	149.4	92.42	147400.	11450.
#3	.6743	70.62	148.3	90.93	147300.	11470.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110302-A-6-D@4 Acquired: 4/10/2016 15:58:15 Type: Unk

Method: BC04012016_P(v16) 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	43630.	3154.	816.6	189.3	80.58	8.214
Stddev	148.	7.	5.8	1.5	1.28	1.869
%RSD	.3379	.2134	.7046	.7891	1.589	22.76

#1	43790.	3162.	814.9	190.6	81.78	8.054
#2	43500.	3150.	811.9	189.6	80.72	6.429
#3	43620.	3151.	823.0	187.6	79.23	10.16

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	-1.424	6.368	136.7	449.4	54.74	2.202
Stddev	1.404	3.240	.4	2.3	.78	.260
%RSD	98.60	50.88	.2762	.5210	1.423	11.81

#1	-2.975	10.07	136.7	451.9	55.58	2.117
#2	-.2394	5.012	136.3	449.1	54.60	1.996
#3	-1.057	4.027	137.0	447.2	54.05	2.494

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110302-A-6-D@4 Acquired: 4/10/2016 15:58:15 Type: Unk
 Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.440	61.60	2074.	765.0
Stddev	.337	.42	8.	19.2
%RSD	7.588	.6810	.3786	2.512

#1	4.188	61.11	2080.	746.1
#2	4.309	61.86	2076.	784.6
#3	4.823	61.82	2065.	764.4

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	9867.1	68040.	10729.
Stddev	29.6	509.	204.
%RSD	.30048	.74844	1.9036

#1	9836.6	67466.	10493.
#2	9868.9	68439.	10851.
#3	9895.8	68214.	10842.

Sample Name: CCV Acquired: 4/10/2016 16:01:59 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120400.	2452.	1215.	9919.	980.6	122600.
Stddev	160.	8.	1.	8.	.8	683.
%RSD	.1327	.3211	.0614	.0837	.0845	.5569

#1	120300.	2443.	1216.	9922.	981.0	123400.
#2	120300.	2459.	1216.	9926.	981.1	122000.
#3	120600.	2452.	1215.	9910.	979.6	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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1229.	2454.	4969.	12290.	98610.	47950.
Stddev	3.	5.	18.	26.	355.	84.
%RSD	.2375	.1954	.3641	.2087	.3596	.1746

#1	1231.	2455.	4989.	12260.	98920.	47880.
#2	1230.	2459.	4953.	12310.	98220.	47910.
#3	1225.	2449.	4964.	12290.	98670.	48040.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/10/2016 16:01:59 Type: QC
Method: BC04012016_P(v16) 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	122900.	5030.	122600.	2480.	7390.	974.3
Stddev	595.	16.	211.	7.	10.	3.3
%RSD	.4837	.3266	.1718	.2911	.1287	.3367

#1	123600.	5047.	122800.	2481.	7397.	971.1
#2	122400.	5014.	122500.	2486.	7393.	977.6
#3	122900.	5028.	122500.	2472.	7379.	974.1

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	2425.	2464.	2461.	2470.	975.0	2412.
Stddev	9.	3.	6.	13.	3.1	3.
%RSD	.3692	.1205	.2493	.5413	.3224	.1341

#1	2415.	2467.	2468.	2483.	971.4	2408.
#2	2426.	2465.	2457.	2471.	977.4	2414.
#3	2433.	2461.	2458.	2456.	976.1	2413.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/10/2016 16:01:59 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	978.9	4870.	9974.	9777.
Stddev	2.5	6.	15.	49.
%RSD	.2548	.1288	.1483	.5050

#1	981.0	4865.	9991.	9721.
#2	979.6	4868.	9965.	9816.
#3	976.2	4877.	9965.	9794.

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	9198.1	63472.	9906.2
Stddev	18.8	408.	56.2
%RSD	.20450	.64322	.56693

#1	9180.0	63090.	9842.1
#2	9196.7	63902.	9929.8
#3	9217.5	63423.	9946.6

Sample Name: CCB Acquired: 4/10/2016 16:05:28 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.026	.1019	.7744	1.512	.0001	-10.36
Stddev	10.80	1.812	.2288	1.907	.0529	7.80
%RSD	532.7	1778.	29.54	126.1	44660.	75.31

#1	12.20	-.5619	.9990	3.440	-.0006	-5.619
#2	3.177	-1.284	.7827	1.471	.0534	-19.37
#3	-9.298	2.152	.5416	-.3737	-.0525	-6.096

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0361	.3484	.0794	-.5415	3.141	-21.35
Stddev	.3502	.5187	.3456	.2947	9.166	49.93
%RSD	970.9	148.9	435.1	54.42	291.8	233.9

#1	.4007	.8252	-.0261	-.7690	7.944	-15.47
#2	.0052	.4238	-.2011	-.6468	-7.428	25.39
#3	-.2977	-.2039	.4655	-.2086	8.907	-73.96

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/10/2016 16:05:28 Type: QC
Method: BC04012016_P(v16) 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	-6.674	-.2606	-30.36	.7012	1.380	.8401
Stddev	3.774	.2062	19.41	.7078	1.078	1.498
%RSD	56.54	79.14	63.91	100.9	78.12	178.3
#1	-8.597	-.3347	-8.102	.9562	2.444	-.3702
#2	-9.100	-.4195	-39.28	1.246	1.407	2.515
#3	-2.327	-.0275	-43.71	-.0988	.2884	.3750

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	2.165	-.6555	-.0982	.1926	-2.469	-.2202
Stddev	1.960	2.000	.1602	.5163	.104	.3355
%RSD	90.54	305.1	163.1	268.0	4.219	152.4
#1	3.320	-.1135	-.2630	.7258	-2.352	.0367
#2	-.0982	1.017	-.0885	.1571	-2.503	-.0975
#3	3.274	-2.870	.0569	-.3049	-2.552	-.5998

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/10/2016 16:05:28 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1347	.0235	-.4291	11.31
Stddev	.0178	.2273	.6413	4.74
%RSD	13.25	968.9	149.4	41.94

#1	-.1173	.0144	-.6198	9.426
#2	-.1337	-.1991	-.9535	16.71
#3	-.1529	.2551	.2859	7.797

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	9695.1	66189.	10053.
Stddev	26.2	383.	87.
%RSD	.27035	.57863	.86392

#1	9706.4	66064.	10019.
#2	9713.8	66618.	10152.
#3	9665.2	65884.	9988.8

Sample Name: CCVL Acquired: 4/10/2016 16:09:22 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	202.9	11.90	9.924	207.3	2.019	5039.
Stddev	11.8	1.16	.795	1.1	.124	32.
%RSD	5.832	9.772	8.010	.5207	6.141	.6409

#1	215.2	13.02	10.67	207.9	2.161	5002.
#2	191.6	11.97	9.085	207.9	1.930	5060.
#3	202.0	10.70	10.02	206.0	1.966	5056.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.940	51.50	9.769	23.06	154.1	4708.
Stddev	.011	.51	.356	.65	5.4	44.
%RSD	.2862	.9807	3.642	2.805	3.526	.9377

#1	3.928	52.00	10.15	23.79	160.1	4665.
#2	3.949	51.51	9.722	22.83	149.6	4706.
#3	3.944	50.99	9.438	22.56	152.6	4753.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/10/2016 16:09:22 Type: QC
Method: BC04012016_P(v16) 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	4901.	15.63	4901.	42.76	11.19	20.59
Stddev	26.	.18	7.	.80	.52	1.34
%RSD	.5346	1.142	.1388	1.861	4.602	6.488

#1	4883.	15.68	4893.	43.36	11.71	20.83
#2	4931.	15.78	4905.	43.06	10.68	19.15
#3	4889.	15.43	4905.	41.86	11.20	21.79

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	16.29	21.63	51.10	31.03	45.73	17.63
Stddev	1.53	1.66	.21	.26	.45	.17
%RSD	9.368	7.673	.4081	.8485	.9809	.9594

#1	15.65	20.85	50.91	31.31	46.09	17.72
#2	15.19	23.54	51.06	30.99	45.22	17.43
#3	18.04	20.52	51.32	30.79	45.86	17.73

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/10/2016 16:09:22 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	48.33	20.32	19.26	F 2.893
Stddev	.76	.04	.17	5.277
%RSD	1.567	.1899	.8599	182.4

#1	47.56	20.36	19.35	2.223
#2	48.34	20.28	19.36	8.473
#3	49.08	20.31	19.07	-2.016

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9769.6	67076.	10240.
Stddev	17.0	585.	145.
%RSD	.17426	.87225	1.4143

#1	9786.2	67751.	10407.
#2	9752.2	66706.	10167.
#3	9770.5	66773.	10146.

Sample Name: 460-110302-A-8-D@4 Acquired: 4/10/2016 16:13:14 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47260.	17.25	-.4626	293.9	2.869	11260.
Stddev	89.	1.31	.3772	1.1	.058	25.
%RSD	.1893	7.576	81.53	.3728	2.030	.2251

#1	47160.	18.76	-.0441	293.8	2.825	11240.
#2	47340.	16.38	-.5674	295.1	2.935	11260.
#3	47280.	16.62	-.7764	292.9	2.847	11290.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5630	49.79	105.1	106.8	116400.	3262.
Stddev	.0873	.27	.9	.4	173.	10.
%RSD	15.51	.5337	.8661	.3609	.1484	.3040

#1	-.5171	49.88	104.3	106.5	116200.	3251.
#2	-.5083	49.99	106.1	106.6	116500.	3266.
#3	-.6637	49.49	104.9	107.2	116600.	3270.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110302-A-8-D@4 Acquired: 4/10/2016 16:13:14 Type: Unk

Method: BC04012016_P(v16) 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	20490.	1933.	773.3	102.2	39.88	5.177
Stddev	61.	3.	5.5	1.5	.61	2.517
%RSD	.2982	.1565	.7154	1.446	1.536	48.61

#1	20440.	1931.	773.0	101.0	39.43	5.921
#2	20470.	1931.	768.0	103.8	40.57	7.238
#3	20550.	1936.	779.0	101.7	39.62	2.372

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	-5.816	2.710	217.6	216.0	9.495	-.1273
Stddev	1.337	2.077	.7	.5	.396	.2573
%RSD	22.99	76.63	.3356	.2319	4.169	202.1

#1	-7.041	4.014	217.0	215.4	9.910	-.3641
#2	-6.019	.3151	218.4	216.0	9.122	.1464
#3	-4.389	3.801	217.2	216.4	9.453	-.1642

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110302-A-8-D@4 Acquired: 4/10/2016 16:13:14 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.309	59.01	2553.	694.2
Stddev	.385	.23	3.	15.3
%RSD	8.926	.3874	.1165	2.204

#1	4.489	58.81	2554.	694.6
#2	3.868	58.94	2555.	678.8
#3	4.572	59.26	2550.	709.4

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	9847.9	68098.	10710.
Stddev	42.2	308.	57.
%RSD	.42802	.45300	.53070

#1	9808.1	67758.	10676.
#2	9843.7	68360.	10679.
#3	9892.1	68175.	10776.

Sample Name: 460-110302-A-10-D@4 Acquired: 4/10/2016 16:16:57 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37330.	15.70	-.6015	206.8	2.072	11880.
Stddev	2.	.75	.2746	.7	.201	112.
%RSD	.0048	4.776	45.66	.3539	9.716	.9433

#1	37340.	15.73	-.3213	207.3	2.302	12000.
#2	37330.	14.93	-.8702	207.0	1.988	11830.
#3	37330.	16.43	-.6131	205.9	1.926	11800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5668	44.71	80.13	86.55	108800.	2620.
Stddev	.2313	.10	.70	1.01	759.	22.
%RSD	40.81	.2269	.8765	1.161	.6978	.8488

#1	-.8334	44.83	79.95	85.49	109600.	2594.
#2	-.4189	44.63	79.54	87.48	108600.	2633.
#3	-.4482	44.68	80.91	86.68	108100.	2632.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110302-A-10-D@4 Acquired: 4/10/2016 16:16:57 Type: Unk
Method: BC04012016_P(v16) 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	15920.	1742.	923.8	84.55	28.96	4.484
Stddev	133.	11.	3.2	.55	.21	2.048
%RSD	.8362	.6337	.3416	.6525	.7200	45.67

#1	16060.	1754.	920.6	85.07	28.85	2.218
#2	15890.	1739.	924.0	83.97	29.20	5.029
#3	15800.	1732.	926.9	84.61	28.84	6.203

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	-3.554	-1.888	206.3	180.0	6.117	-.3553
Stddev	1.310	1.240	.5	.1	.366	.3893
%RSD	36.87	65.68	.2570	.0713	5.989	109.6

#1	-2.854	-.6558	206.6	180.2	6.535	-.5627
#2	-2.742	-3.135	206.6	180.0	5.963	-.5969
#3	-5.065	-1.872	205.6	179.9	5.852	.0939

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110302-A-10-D@4 Acquired: 4/10/2016 16:16:57 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.250	47.40	3030.	677.7
Stddev	.845	.43	11.	22.4
%RSD	19.88	.9074	.3653	3.308

#1	4.353	46.91	3041.	651.9
#2	3.359	47.73	3031.	691.7
#3	5.039	47.55	3019.	689.5

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	9877.4	67848.	10544.
Stddev	40.5	956.	203.
%RSD	.40986	1.4088	1.9270

#1	9835.2	66762.	10316.
#2	9915.9	68224.	10609.
#3	9881.1	68560.	10706.

Sample Name: 460-111341-D-2-A@4 Acquired: 4/10/2016 16:20:41 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39560.	18.13	.0754	245.3	2.294	11390.
Stddev	134.	1.49	.0418	.7	.146	46.
%RSD	.3375	8.228	55.41	.2695	6.377	.4028

#1	39460.	19.63	.0272	245.6	2.158	11340.
#2	39710.	18.11	.0979	244.6	2.449	11380.
#3	39510.	16.65	.1010	245.8	2.276	11430.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3639	41.04	80.59	93.23	112800.	3392.
Stddev	.0772	.08	.65	1.06	216.	42.
%RSD	21.22	.1912	.8009	1.142	.1914	1.252

#1	-.3557	40.97	80.03	94.42	112600.	3345.
#2	-.2911	41.02	80.44	92.89	112700.	3427.
#3	-.4449	41.12	81.30	92.37	113000.	3405.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111341-D-2-A@4 Acquired: 4/10/2016 16:20:41 Type: Unk

Method: BC04012016_P(v16) 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	17820.	2105.	957.3	84.01	31.63	5.131
Stddev	59.	5.	5.3	1.10	.88	.209
%RSD	.3307	.2386	.5585	1.309	2.790	4.072

#1	17790.	2099.	951.2	84.36	31.26	5.083
#2	17780.	2105.	961.0	82.78	32.64	4.950
#3	17880.	2109.	959.8	84.89	30.99	5.359

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	-4.770	1.308	199.4	201.7	11.18	-.4443
Stddev	2.546	.360	.8	1.0	.40	.2276
%RSD	53.38	27.53	.3934	.4837	3.581	51.21

#1	-6.844	1.628	200.3	200.9	11.58	-.7032
#2	-1.928	.9183	199.0	201.4	11.18	-.3543
#3	-5.537	1.376	198.9	202.8	10.78	-.2756

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111341-D-2-A@4 Acquired: 4/10/2016 16:20:41 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.130	49.31	2875.	594.2
Stddev	.934	.22	1.	6.5
%RSD	22.62	.4440	.0371	1.090

#1	5.194	49.35	2874.	598.9
#2	3.758	49.51	2876.	586.8
#3	3.440	49.08	2875.	596.9

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	9866.6	67996.	10664.
Stddev	42.4	162.	39.
%RSD	.42994	.23814	.36573

#1	9818.5	67840.	10696.
#2	9882.7	68163.	10620.
#3	9898.7	67985.	10674.

Sample Name: 460-111341-D-3-A@4 Acquired: 4/10/2016 16:24:25 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38360.	10.51	-.3072	204.8	2.026	8820.
Stddev	230.	.31	.6291	.9	.078	45.
%RSD	.5989	2.995	204.8	.4446	3.850	.5105

#1	38100.	10.29	-.4523	204.8	1.941	8769.
#2	38470.	10.87	.3819	205.7	2.045	8856.
#3	38520.	10.37	-.8510	203.9	2.094	8834.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6161	35.36	86.01	73.58	85120.	2081.
Stddev	.1592	.25	.88	.36	249.	16.
%RSD	25.84	.7084	1.021	.4862	.2929	.7503

#1	-.6688	35.62	85.05	73.18	84870.	2074.
#2	-.4372	35.33	86.19	73.87	85370.	2070.
#3	-.7423	35.12	86.77	73.70	85130.	2099.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111341-D-3-A@4 Acquired: 4/10/2016 16:24:25 Type: Unk

Method: BC04012016_P(v16) 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	11720.	892.4	927.2	67.42	27.62	4.884
Stddev	55.	2.0	5.1	.19	1.33	2.171
%RSD	.4695	.2221	.5489	.2749	4.827	44.46

#1	11660.	890.4	921.7	67.63	28.65	6.419
#2	11770.	894.3	928.1	67.35	26.12	2.400
#3	11720.	892.7	931.8	67.28	28.11	5.832

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	-4.541	1.568	191.0	143.2	8.969	-1.198
Stddev	1.718	.989	.6	.9	.291	.206
%RSD	37.82	63.08	.3185	.5962	3.244	17.17

#1	-2.747	.7569	190.5	143.0	9.043	-1.273
#2	-6.170	1.277	191.7	144.2	9.216	-1.355
#3	-4.707	2.670	190.8	142.5	8.648	-.9649

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111341-D-3-A@4 Acquired: 4/10/2016 16:24:25 Type: Unk
 Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.640	53.55	2386.	605.9
Stddev	.730	.20	3.	15.9
%RSD	20.05	.3763	.1381	2.619

#1	2.866	53.32	2383.	587.7
#2	4.316	53.62	2390.	612.8
#3	3.739	53.70	2385.	617.1

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	9833.4	67656.	10520.
Stddev	19.5	121.	116.
%RSD	.19782	.17924	1.1065

#1	9831.1	67689.	10653.
#2	9815.2	67521.	10470.
#3	9853.9	67757.	10437.

Sample Name: 460-111341-D-4-A@4 Acquired: 4/10/2016 16:28:10 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	75690.	22.48	-.3032	423.3	3.391	14610.
Stddev	202.	1.95	.2417	1.1	.079	39.
%RSD	.2662	8.656	79.72	.2679	2.323	.2693

#1	75630.	21.99	-.1163	423.6	3.465	14590.
#2	75910.	20.83	-.2171	424.2	3.399	14580.
#3	75520.	24.63	-.5762	422.0	3.308	14650.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3443	57.27	133.1	157.4	154800.	4968.
Stddev	.1407	.18	1.5	.8	231.	11.
%RSD	40.87	.3123	1.120	.4784	.1491	.2117

#1	-.2285	57.27	133.5	157.3	154800.	4969.
#2	-.3035	57.10	131.4	156.6	154600.	4957.
#3	-.5009	57.45	134.3	158.1	155100.	4978.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111341-D-4-A@4 Acquired: 4/10/2016 16:28:10 Type: Unk

Method: BC04012016_P(v16) 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	20860.	1903.	1347.	110.2	149.8	7.311
Stddev	63.	3.	9.	1.6	1.1	1.876
%RSD	.3006	.1528	.6864	1.429	.7050	25.66

#1	20820.	1901.	1342.	110.1	151.0	7.195
#2	20830.	1902.	1358.	111.8	149.2	9.242
#3	20930.	1907.	1342.	108.7	149.2	5.495

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	-3.088	4.964	248.1	286.1	8.892	1.114
Stddev	1.929	2.488	.6	.9	.411	.135
%RSD	62.46	50.13	.2611	.3246	4.621	12.09

#1	-5.266	7.455	247.5	287.1	8.442	.9676
#2	-1.594	4.959	248.0	286.1	9.247	1.233
#3	-2.405	2.478	248.8	285.2	8.987	1.142

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111341-D-4-A@4 Acquired: 4/10/2016 16:28:10 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.118	82.81	2085.	911.0
Stddev	.605	.09	2.	12.7
%RSD	14.68	.1069	.1053	1.397

#1	4.812	82.80	2085.	897.4
#2	3.703	82.90	2083.	912.9
#3	3.840	82.73	2087.	922.7

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	9797.9	67170.	10474.
Stddev	69.5	445.	67.
%RSD	.70907	.66195	.63966

#1	9717.7	66691.	10408.
#2	9836.0	67569.	10542.
#3	9839.9	67250.	10472.

Sample Name: 460-111341-D-5-A@4 Acquired: 4/10/2016 16:31:53 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	85300.	34.47	-.5777	474.1	4.093	11390.
Stddev	2063.	.94	.4446	10.9	.056	217.
%RSD	2.418	2.721	76.95	2.295	1.361	1.910

#1	83240.	33.39	-.8852	462.7	4.153	11160.
#2	85300.	35.10	-.0680	475.2	4.081	11410.
#3	87360.	34.91	-.7800	484.3	4.044	11590.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6483	92.42	151.9	138.1	175400.	3913.
Stddev	.1409	1.97	4.1	3.6	3620.	88.
%RSD	21.73	2.131	2.729	2.588	2.064	2.249

#1	-.7347	90.38	148.5	135.3	171600.	3819.
#2	-.4857	92.58	150.6	136.9	175600.	3926.
#3	-.7245	94.31	156.5	142.2	178900.	3994.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111341-D-5-A@4 Acquired: 4/10/2016 16:31:53 Type: Unk

Method: BC04012016_P(v16) 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	23170.	2294.	1406.	123.1	59.00	5.540
Stddev	457.	47.	32.	2.5	1.40	1.642
%RSD	1.974	2.030	2.301	2.005	2.369	29.64

#1	22670.	2246.	1374.	120.4	58.26	3.793
#2	23250.	2295.	1405.	123.9	58.14	5.774
#3	23580.	2339.	1439.	125.1	60.62	7.053

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	-3.151	5.703	245.7	263.2	113.5	.8689
Stddev	3.189	.725	5.4	5.2	2.6	.1000
%RSD	101.2	12.72	2.189	1.963	2.332	11.51

#1	-3.302	4.956	241.2	258.2	110.9	.9378
#2	.1105	5.750	244.3	262.7	113.6	.9147
#3	-6.262	6.404	251.7	268.5	116.1	.7542

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111341-D-5-A@4 Acquired: 4/10/2016 16:31:53 Type: Unk
 Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.600	69.19	2417.	971.5
Stddev	.192	1.88	50.	40.3
%RSD	4.175	2.715	2.051	4.144

#1	4.380	67.35	2368.	949.5
#2	4.729	69.11	2416.	946.9
#3	4.692	71.11	2467.	1018.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9973.7	68540.	10696.
Stddev	76.0	748.	150.
%RSD	.76217	1.0917	1.4060

#1	9885.9	67985.	10584.
#2	10019.	68245.	10639.
#3	10016.	69391.	10867.

Sample Name: 460-111341-D-6-A@4 Acquired: 4/10/2016 16:35:35 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64070.	19.59	.1066	397.2	3.577	10260.
Stddev	173.	1.60	.1325	.7	.105	20.
%RSD	.2705	8.183	124.3	.1736	2.939	.1949

#1	64050.	21.29	.1930	396.5	3.523	10270.
#2	63910.	19.40	.1728	397.8	3.699	10240.
#3	64250.	18.10	-.0459	397.3	3.510	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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5658	57.60	136.9	119.0	131100.	3648.
Stddev	.0644	.34	.3	.3	168.	39.
%RSD	11.38	.5929	.2388	.2910	.1278	1.065

#1	-.5372	57.94	136.6	118.7	131200.	3607.
#2	-.5207	57.60	137.0	119.0	130900.	3654.
#3	-.6396	57.25	137.2	119.4	131200.	3684.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111341-D-6-A@4 Acquired: 4/10/2016 16:35:35 Type: Unk

Method: BC04012016_P(v16) 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	23110.	2571.	1534.	120.6	49.67	5.931
Stddev	53.	4.	2.	1.5	.82	2.085
%RSD	.2285	.1614	.1510	1.243	1.642	35.16

#1	23100.	2572.	1533.	119.3	49.42	8.270
#2	23070.	2566.	1537.	122.2	50.58	4.265
#3	23170.	2575.	1532.	120.1	49.01	5.259

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	-4.023	5.485	221.0	243.9	10.02	.0857
Stddev	2.082	.119	.6	.8	.52	.0295
%RSD	51.75	2.162	.2814	.3331	5.193	34.45

#1	-1.737	5.450	220.3	244.0	10.60	.0691
#2	-4.523	5.388	221.5	243.0	9.898	.0683
#3	-5.810	5.617	221.1	244.6	9.578	.1199

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111341-D-6-A@4 Acquired: 4/10/2016 16:35:35 Type: Unk
 Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.506	64.72	2284.	793.6
Stddev	.325	.28	1.	35.3
%RSD	9.257	.4301	.0540	4.448

#1	3.848	64.40	2283.	752.8
#2	3.202	64.88	2285.	815.1
#3	3.470	64.89	2285.	812.8

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	9924.5	68155.	10646.
Stddev	47.6	474.	101.
%RSD	.47925	.69553	.94635

#1	9880.1	67644.	10538.
#2	9974.7	68581.	10737.
#3	9918.8	68241.	10663.

Sample Name: 460-111341-D-7-A@ Acquired: 4/10/2016 16:39:18 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54300.	34.96	.5844	414.3	3.105	5140.
Stddev	147.	2.74	.2344	1.7	.043	15.
%RSD	.2703	7.844	40.12	.4014	1.379	.2921

#1	54130.	37.49	.5524	416.1	3.149	5150.
#2	54360.	35.34	.3676	414.1	3.101	5123.
#3	54410.	32.05	.8332	412.8	3.064	5148.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0424	34.23	93.53	59.31	73110.	2542.
Stddev	.1621	.38	.59	.35	107.	28.
%RSD	382.0	1.125	.6349	.5925	.1460	1.097

#1	.2246	34.64	93.73	59.68	73140.	2554.
#2	-.0112	34.16	92.87	59.28	73200.	2510.
#3	-.0861	33.88	94.01	58.97	72990.	2562.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111341-D-7-A@ Acquired: 4/10/2016 16:39:18 Type: Unk

Method: BC04012016_P(v16) 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	6839.	1843.	596.2	44.17	161.2	3.572
Stddev	11.	4.	5.8	.69	.8	3.018
%RSD	.1678	.2003	.9787	1.560	.5076	84.49

#1	6827.	1844.	595.1	44.94	160.3	5.396
#2	6839.	1846.	591.1	43.60	161.8	.0886
#3	6850.	1839.	602.6	43.98	161.6	5.233

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	-.3319	139.6	228.1	.5906	1.454
Stddev	1.716	.6120	.9	.9	.4581	.341
%RSD	77.79	184.4	.6712	.3858	77.56	23.47

#1	-.7081	-.8030	139.8	228.9	1.108	1.819
#2	-4.079	.3598	138.5	228.3	.2351	1.402
#3	-1.832	-.5525	140.4	227.2	.4291	1.142

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111341-D-7-A@ Acquired: 4/10/2016 16:39:18 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.385	50.08	364.0	1410.
Stddev	.438	.24	.9	38.
%RSD	8.133	.4748	.2357	2.725

#1	4.921	49.81	365.0	1408.
#2	5.442	50.20	363.4	1450.
#3	5.791	50.24	363.5	1373.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9996.2	68318.	10716.
Stddev	34.2	483.	66.
%RSD	.34179	.70664	.61422

#1	9957.1	67810.	10671.
#2	10020.	68375.	10792.
#3	10011.	68771.	10685.

Sample Name: 460-111341-D-8-A@4 Acquired: 4/10/2016 16:43:04 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50540.	18.79	.1604	342.7	2.483	3002.
Stddev	31.	.84	.2344	1.1	.025	31.
%RSD	.0616	4.462	146.1	.3104	.9853	1.017

#1	50510.	17.85	.3956	342.1	2.455	2967.
#2	50570.	19.07	-.0731	344.0	2.499	3014.
#3	50530.	19.46	.1587	342.1	2.496	3024.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2944	34.92	83.81	36.11	48310.	2716.
Stddev	.0407	.19	.75	.28	270.	40.
%RSD	13.81	.5507	.8965	.7670	.5585	1.475

#1	-.2582	34.89	83.16	36.24	48000.	2673.
#2	-.3384	35.13	83.63	35.80	48520.	2725.
#3	-.2865	34.75	84.63	36.30	48410.	2752.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111341-D-8-A@4 Acquired: 4/10/2016 16:43:04 Type: Unk

Method: BC04012016_P(v16) 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	6882.	1644.	170.2	35.89	145.5	2.754
Stddev	94.	8.	6.4	.35	.4	1.393
%RSD	1.369	.5131	3.783	.9779	.2861	50.57

#1	6777.	1634.	170.8	35.58	145.0	1.987
#2	6958.	1649.	163.4	36.27	145.7	4.362
#3	6911.	1648.	176.3	35.82	145.8	1.913

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	.5055	1.467	110.4	235.5	-.6304	.1098
Stddev	2.247	3.580	.3	1.0	.1892	.4745
%RSD	444.5	244.1	.3134	.4294	30.02	432.1

#1	3.099	-1.132	110.0	234.6	-.5820	.5855
#2	-.7471	-.0182	110.4	236.6	-.8391	-.3635
#3	-.8356	5.551	110.7	235.3	-.4700	.1075

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111341-D-8-A@4 Acquired: 4/10/2016 16:43:04 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.761	29.61	251.9	1387.
Stddev	.456	.11	.6	11.
%RSD	9.571	.3582	.2290	.7888

#1	4.293	29.52	251.2	1375.
#2	5.204	29.73	252.2	1397.
#3	4.784	29.59	252.2	1389.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9816.1	67610.	10590.
Stddev	54.1	217.	31.
%RSD	.55147	.32046	.29286

#1	9776.9	67712.	10559.
#2	9793.6	67361.	10621.
#3	9877.9	67756.	10591.

Sample Name: 460-111424-A-1-A@4 Acquired: 4/10/2016 16:46:49 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41960.	27.10	-.0219	375.2	2.630	5939.
Stddev	746.	1.90	.2738	5.9	.174	117.
%RSD	1.779	7.009	1253.	1.579	6.619	1.962

#1	41220.	25.88	.2694	369.0	2.610	5831.
#2	41930.	26.14	-.2740	375.6	2.467	5925.
#3	42720.	29.29	-.0610	380.9	2.814	6063.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1610	25.43	72.46	39.23	57990.	2650.
Stddev	.1034	.49	1.23	1.05	920.	33.
%RSD	64.24	1.915	1.697	2.682	1.586	1.256

#1	.2791	24.92	71.48	38.08	57110.	2612.
#2	.0864	25.47	72.06	39.46	57910.	2673.
#3	.1175	25.89	73.84	40.14	58950.	2666.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111424-A-1-A@4 Acquired: 4/10/2016 16:46:49 Type: Unk

Method: BC04012016_P(v16) 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	6466.	931.2	192.0	34.98	166.1	4.387
Stddev	138.	15.4	3.5	.29	3.1	.605
%RSD	2.133	1.652	1.817	.8273	1.887	13.79

#1	6334.	915.7	192.1	34.72	162.5	4.271
#2	6454.	931.3	188.5	35.29	168.4	5.042
#3	6609.	946.5	195.5	34.92	167.4	3.848

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	1.493	1.342	122.5	267.0	-3.164	2.758
Stddev	1.108	1.481	2.4	5.0	.4351	.086
%RSD	74.16	110.3	1.994	1.860	137.5	3.120

#1	2.715	-.3256	120.4	261.6	-.8166	2.660
#2	1.212	1.851	122.0	267.9	-.0257	2.793
#3	.5540	2.502	125.2	271.4	-.1068	2.821

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111424-A-1-A@4 Acquired: 4/10/2016 16:46:49 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.039	55.75	219.9	1398.
Stddev	.226	.87	2.9	9.
%RSD	5.584	1.557	1.337	.6235

#1	4.148	54.96	216.6	1389.
#2	3.780	55.61	220.9	1398.
#3	4.190	56.68	222.3	1406.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9795.0	67112.	10415.
Stddev	28.6	432.	122.
%RSD	.29191	.64354	1.1736

#1	9793.2	66634.	10513.
#2	9767.4	67227.	10454.
#3	9824.5	67475.	10278.

Sample Name: CCV Acquired: 4/10/2016 16:50:37 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120800.	2465.	1222.	9968.	987.6	123800.
Stddev	142.	8.	4.	2.	1.6	968.
%RSD	.1174	.3099	.3376	.0162	.1619	.7816

#1	120700.	2461.	1227.	9970.	989.4	124900.
#2	120900.	2473.	1222.	9967.	986.3	123000.
#3	120900.	2460.	1218.	9967.	987.0	123600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1234.	2467.	5019.	12340.	99580.	48160.
Stddev	2.	3.	32.	35.	611.	165.
%RSD	.1492	.1191	.6379	.2866	.6131	.3416

#1	1236.	2470.	5055.	12330.	100300.	47990.
#2	1234.	2467.	4993.	12380.	99090.	48160.
#3	1233.	2464.	5009.	12310.	99390.	48320.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/10/2016 16:50:37 Type: QC
Method: BC04012016_P(v16) 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	124800.	5083.	123400.	2491.	7426.	982.3
Stddev	845.	29.	224.	4.	6.	4.1
%RSD	.6773	.5646	.1817	.1613	.0755	.4179

#1	125800.	5116.	123700.	2496.	7426.	977.6
#2	124200.	5062.	123300.	2490.	7432.	985.3
#3	124500.	5072.	123300.	2488.	7421.	984.0

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	2431.	2472.	2476.	2486.	978.1	2421.
Stddev	10.	7.	6.	9.	2.3	3.
%RSD	.4056	.2923	.2591	.3634	.2358	.1333

#1	2419.	2474.	2483.	2497.	975.8	2418.
#2	2438.	2464.	2471.	2483.	980.4	2424.
#3	2434.	2479.	2475.	2480.	978.3	2422.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/10/2016 16:50:37 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	984.2	4883.	10070.	9793.
Stddev	2.5	11.	28.	74.
%RSD	.2553	.2260	.2777	.7589

#1	987.0	4871.	10100.	9724.
#2	983.6	4891.	10060.	9872.
#3	982.1	4888.	10050.	9785.

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	9170.3	62810.	9844.4
Stddev	22.3	686.	88.2
%RSD	.24333	1.0927	.89591

#1	9148.3	62070.	9784.4
#2	9193.0	63425.	9945.7
#3	9169.7	62934.	9803.2

Sample Name: CCB Acquired: 4/10/2016 16:54:05 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.129	.1835	-.0075	.1016	-.0124	-12.87
Stddev	2.207	.7025	.1314	.5746	.1547	7.39
%RSD	103.7	382.8	1755.	565.7	1246.	57.45

#1	3.020	-.6033	.0915	.7636	.0823	-6.265
#2	-.3849	.7480	-.1565	-.2678	-.1909	-11.49
#3	3.750	.4058	.0426	-.1911	.0713	-20.86

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0817	.0950	-.3462	-.8080	4.352	-19.08
Stddev	.1226	.1270	.3183	.3662	6.873	15.75
%RSD	150.0	133.7	91.94	45.32	157.9	82.53

#1	.0021	.1911	-.1939	-.6471	5.141	-37.01
#2	-.2224	-.0490	-.7121	-.5498	-2.881	-7.519
#3	-.0248	.1428	-.1327	-1.227	10.80	-12.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/10/2016 16:54:05 Type: QC
Method: BC04012016_P(v16) 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	-6.098	-.3254	-42.48	.0418	.2189	.1466
Stddev	2.881	.1777	19.28	.2240	1.331	.7983
%RSD	47.25	54.62	45.40	535.5	608.1	544.6

#1	-4.584	-.1579	-22.62	.0870	.2055	-.3267
#2	-4.288	-.3064	-43.67	.2398	-1.106	1.068
#3	-9.421	-.5118	-61.14	-.2013	1.557	-.3018

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	.0230	-.8791	.1199	-.1293	-2.488	-.4355
Stddev	2.968	1.195	.3124	.2241	.192	.4918
%RSD	12900.	136.0	260.6	173.3	7.697	112.9

#1	-3.315	-1.287	-.1949	.1287	-2.355	.1297
#2	1.018	.4669	.4298	-.2756	-2.401	-.7653
#3	2.366	-1.817	.1247	-.2411	-2.707	-.6709

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/10/2016 16:54:05 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5292	-.0647	-.3652	6.065
Stddev	.1787	.1598	.1716	12.96
%RSD	33.78	247.1	47.00	213.7

#1	-.3260	.1194	-.2586	17.18
#2	-.6624	-.1447	-.2737	-8.169
#3	-.5990	-.1686	-.5631	9.184

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	9699.8	65850.	9922.4
Stddev	27.2	213.	48.7
%RSD	.28000	.32305	.49045

#1	9673.2	65629.	9896.2
#2	9698.8	65868.	9892.5
#3	9727.5	66053.	9978.6

Sample Name: CCVL Acquired: 4/10/2016 16:58:00 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	199.0	14.47	9.997	206.9	2.034	5106.
Stddev	4.9	1.01	.119	.3	.240	18.
%RSD	2.475	6.946	1.188	.1365	11.81	.3438

#1	193.7	15.20	9.881	207.2	1.925	5108.
#2	203.4	14.90	10.12	206.9	2.310	5088.
#3	199.8	13.33	9.994	206.6	1.868	5123.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.902	51.66	10.04	23.58	154.7	4721.
Stddev	.048	.27	.79	.63	4.4	47.
%RSD	1.218	.5143	7.902	2.652	2.840	.9899

#1	3.913	51.96	10.41	24.29	151.1	4725.
#2	3.850	51.54	10.57	23.33	153.5	4673.
#3	3.943	51.47	9.124	23.12	159.6	4766.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/10/2016 16:58:00 Type: QC
Method: BC04012016_P(v16) 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	4993.	15.74	4935.	42.34	11.07	18.71
Stddev	47.	.10	32.	.39	1.05	2.10
%RSD	.9423	.6192	.6479	.9249	9.443	11.24

#1	5042.	15.85	4934.	42.78	11.45	20.55
#2	4948.	15.67	4904.	42.23	9.892	19.16
#3	4988.	15.71	4968.	42.02	11.88	16.42

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	17.50	18.38	51.48	31.23	45.56	17.43
Stddev	2.67	1.36	.87	.42	.40	.14
%RSD	15.24	7.388	1.684	1.339	.8846	.8032

#1	14.44	16.86	52.33	31.02	45.61	17.34
#2	19.31	18.81	51.52	31.71	45.94	17.59
#3	18.75	19.47	50.60	30.96	45.14	17.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/10/2016 16:58:00 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	48.67	20.12	19.41	F -2.003
Stddev	.11	.08	.26	25.30
%RSD	.2239	.3934	1.353	1263.

#1	48.80	20.18	19.51	5.957
#2	48.60	20.03	19.11	-30.33
#3	48.61	20.15	19.61	18.36

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9673.8	65831.	9965.5
Stddev	4.5	448.	106.6
%RSD	.04609	.67990	1.0694

#1	9668.8	65736.	9858.8
#2	9675.1	66318.	10072.
#3	9677.4	65438.	9965.6

Sample Name: 460-111424-A-2-A@4 Acquired: 4/10/2016 17:01:52 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33310.	23.97	-.2047	257.7	1.489	2024.
Stddev	173.	1.36	.3987	.4	.075	25.
%RSD	.5181	5.690	194.8	.1741	5.026	1.250

#1	33120.	22.86	.1930	258.2	1.485	1995.
#2	33350.	23.55	-.2027	257.3	1.565	2039.
#3	33450.	25.49	-.6043	257.6	1.415	2039.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4953	9.219	50.17	22.17	48500.	1669.
Stddev	.1302	.109	.66	.47	230.	48.
%RSD	26.29	1.181	1.318	2.103	.4745	2.876

#1	-.3777	9.250	49.58	21.66	48240.	1625.
#2	-.4730	9.310	50.88	22.57	48590.	1721.
#3	-.6353	9.099	50.05	22.28	48680.	1662.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111424-A-2-A@4 Acquired: 4/10/2016 17:01:52 Type: Unk

Method: BC04012016_P(v16) 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	4127.	186.6	103.8	21.52	117.2	3.422
Stddev	70.	.7	2.5	.14	.9	1.617
%RSD	1.694	.3909	2.384	.6634	.7577	47.26

#1	4050.	185.8	104.6	21.42	116.2	1.571
#2	4143.	187.1	101.0	21.68	117.9	4.131
#3	4187.	186.9	105.8	21.45	117.4	4.563

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	.2250	.1560	88.09	125.3	-2.198	.0559
Stddev	3.514	3.214	1.06	1.2	.270	.4307
%RSD	1562.	2060.	1.209	.9525	12.26	770.6

#1	-.8147	-3.025	86.88	124.4	-1.902	.4082
#2	-2.652	.0911	88.51	124.7	-2.429	-.4243
#3	4.142	3.402	88.88	126.6	-2.264	.1837

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111424-A-2-A@4 Acquired: 4/10/2016 17:01:52 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.769	24.90	148.1	1293.
Stddev	.130	.14	1.4	10.
%RSD	3.453	.5477	.9260	.7524

#1	3.789	24.75	146.7	1300.
#2	3.888	24.98	148.3	1282.
#3	3.630	24.98	149.4	1298.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9717.9	66300.	10312.
Stddev	32.7	174.	107.
%RSD	.33644	.26248	1.0363

#1	9681.7	66474.	10417.
#2	9726.7	66126.	10316.
#3	9745.4	66301.	10203.

Sample Name: 460-111424-A-3-A@4 Acquired: 4/10/2016 17:05:37 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53190.	33.66	.6567	1099.	4.594	10480.
Stddev	84.	.87	.4435	3.	.169	85.
%RSD	.1574	2.578	67.54	.2479	3.679	.8155

#1	53290.	32.83	.4318	1100.	4.687	10580.
#2	53150.	34.57	.3706	1101.	4.697	10420.
#3	53130.	33.59	1.168	1096.	4.399	10430.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6375	72.53	167.9	45.66	165800.	12900.
Stddev	.2961	.39	1.7	.38	821.	61.
%RSD	46.46	.5333	1.023	.8250	.4948	.4755

#1	-.9792	72.35	169.7	45.23	166800.	12890.
#2	-.4774	72.26	166.3	45.85	165200.	12850.
#3	-.4558	72.97	167.8	45.90	165500.	12970.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111424-A-3-A@4 Acquired: 4/10/2016 17:05:37 Type: Unk

Method: BC04012016_P(v16) 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	40000.	6032.	810.9	189.4	89.00	9.059
Stddev	339.	29.	7.3	.8	1.79	2.061
%RSD	.8467	.4866	.8954	.4067	2.006	22.75

#1	40380.	6066.	802.6	189.2	90.53	11.11
#2	39740.	6012.	816.0	188.9	89.44	9.087
#3	39870.	6018.	814.0	190.3	87.04	6.984

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	.1457	12.02	181.4	409.6	62.28	3.114
Stddev	2.988	1.87	.8	2.8	.81	.582
%RSD	2052.	15.55	.4161	.6815	1.307	18.68

#1	-.8359	13.81	182.3	410.3	61.36	3.047
#2	3.501	10.08	180.9	406.5	62.88	2.569
#3	-2.228	12.16	181.0	411.9	62.61	3.727

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111424-A-3-A@4 Acquired: 4/10/2016 17:05:37 Type: Unk
 Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.556	52.27	2785.	968.1
Stddev	.858	.30	7.	16.3
%RSD	15.44	.5720	.2584	1.678

#1	6.282	51.93	2793.	949.4
#2	5.777	52.36	2781.	978.3
#3	4.609	52.50	2781.	976.7

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	9796.6	66983.	10347.
Stddev	108.4	1182.	365.
%RSD	1.1063	1.7643	3.5240

#1	9673.2	65619.	9926.9
#2	9876.3	67708.	10584.
#3	9840.2	67621.	10529.

Sample Name: 460-111424-A-4-A@4 Acquired: 4/10/2016 17:09:20 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	67740.	21.73	-.6695	493.0	5.052	8475.
Stddev	311.	.39	.3825	1.0	.096	60.
%RSD	.4589	1.782	57.13	.1960	1.903	.7101

#1	67480.	22.14	-.2679	493.8	4.944	8446.
#2	67660.	21.38	-.7112	493.3	5.130	8435.
#3	68090.	21.66	-1.029	491.9	5.081	8544.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0399	83.90	184.7	55.86	187100.	15570.
Stddev	.2113	.20	.7	.57	906.	69.
%RSD	529.7	.2420	.4000	1.022	.4843	.4416

#1	-.0082	84.09	183.8	55.26	186500.	15510.
#2	.1537	83.91	185.3	56.39	186700.	15550.
#3	-.2652	83.69	184.9	55.93	188200.	15640.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111424-A-4-A@4 Acquired: 4/10/2016 17:09:20 Type: Unk

Method: BC04012016_P(v16) 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	49900.	2685.	954.8	194.2	96.13	11.61
Stddev	387.	12.	7.7	1.0	1.07	2.97
%RSD	.7760	.4352	.8019	.5128	1.117	25.56

#1	49650.	2677.	962.0	195.3	94.90	14.31
#2	49700.	2679.	955.6	193.6	96.71	12.09
#3	50340.	2698.	946.8	193.6	96.79	8.431

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	-3.026	7.931	163.8	472.9	77.89	2.928
Stddev	2.657	2.668	1.5	4.9	.45	.421
%RSD	87.79	33.64	.8879	1.030	.5739	14.38

#1	-5.944	6.188	163.3	478.1	78.21	3.010
#2	-.7464	11.00	162.6	472.3	78.08	3.303
#3	-2.389	6.603	165.4	468.4	77.38	2.472

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111424-A-4-A@4 Acquired: 4/10/2016 17:09:20 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.179	48.73	3057.	856.8
Stddev	.648	.06	3.	11.3
%RSD	10.49	.1234	.1036	1.317

#1	5.455	48.67	3054.	853.7
#2	6.704	48.73	3057.	869.3
#3	6.377	48.79	3061.	847.4

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	9676.5	65536.	10143.
Stddev	66.6	560.	240.
%RSD	.68792	.85448	2.3682

#1	9620.4	65653.	10224.
#2	9659.2	66028.	10332.
#3	9750.1	64927.	9872.5

Sample Name: 460-111377-E-2-B Acquired: 4/10/2016 17:13:02 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.69	1.049	.3653	141.5	-.0292	178800.
Stddev	3.47	1.850	.1134	.4	.0522	854.
%RSD	16.77	176.4	31.04	.2536	178.6	.4775
#1	18.34	-.9253	.4483	141.3	-.0266	177900.
#2	19.05	1.330	.2361	141.9	.0216	178700.
#3	24.67	2.743	.4117	141.3	-.0827	179600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1496	1.784	-1.618	.6752	13.37	45220.
Stddev	.0355	.096	.227	.4539	9.72	92.
%RSD	23.71	5.378	14.01	67.22	72.73	.2044
#1	-.1350	1.894	-1.379	.1587	14.52	45140.
#2	-.1901	1.739	-1.645	.8567	3.121	45320.
#3	-.1238	1.718	-1.831	1.010	22.46	45200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-E-2-B Acquired: 4/10/2016 17:13:02 Type: Unk

Method: BC04012016_P(v16) 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	41650.	334.2	F 251800.	8.115	-1.128	1.319
Stddev	239.	1.5	1353.	.651	.168	2.591
%RSD	.5731	.4414	.5374	8.026	14.85	196.5

#1	41400.	333.0	253300.	7.657	-.9347	-1.058
#2	41660.	333.8	251400.	7.828	-1.223	4.082
#3	41880.	335.8	250700.	8.861	-1.226	.9337

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.951	-1.2583	.8398	8.989	572.6	6.881
Stddev	2.092	1.362	.3711	.181	.6	.246
%RSD	42.26	527.1	44.19	2.018	.1016	3.572

#1	-2.582	-1.759	1.173	8.830	571.9	6.601
#2	-5.725	.0855	.4398	8.950	572.8	7.063
#3	-6.546	.8984	.9066	9.187	573.0	6.978

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-E-2-B Acquired: 4/10/2016 17:13:02 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.904	1264.	.4148	9714.
Stddev	.262	2.	.2882	130.
%RSD	13.77	.1866	69.48	1.341

#1	-1.641	1263.	.6001	9573.
#2	-2.166	1267.	.0827	9830.
#3	-1.905	1263.	.5616	9741.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9164.0	63182.	9889.3
Stddev	69.7	691.	71.0
%RSD	.76082	1.0942	.71745

#1	9237.5	63880.	9903.1
#2	9155.9	63170.	9952.4
#3	9098.8	62497.	9812.5

Sample Name: 460-111377-F-3-B Acquired: 4/10/2016 17:16:51 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.05	4.084	.2685	139.0	-.1156	138900.
Stddev	3.86	1.424	.2858	.4	.1073	1290.
%RSD	18.33	34.87	106.4	.2778	92.81	.9286
#1	17.57	2.546	.5333	138.7	-.1589	139200.
#2	20.37	5.357	-.0345	138.9	-.1946	140100.
#3	25.20	4.348	.3067	139.5	.0066	137500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1135	1.502	-1.192	-.0151	-17.35	41670.
Stddev	.0408	.276	.206	.5385	14.32	259.
%RSD	35.92	18.36	17.27	3560.	82.52	.6211
#1	-.1190	1.186	-1.012	.5780	-30.55	41470.
#2	-.1513	1.695	-1.148	-.4733	-19.37	41960.
#3	-.0703	1.624	-1.417	-.1501	-2.131	41570.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-F-3-B Acquired: 4/10/2016 17:16:51 Type: Unk

Method: BC04012016_P(v16) 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	48870.	633.8	156600.	5.266	-.2092	1.833
Stddev	427.	3.5	640.	.632	.5013	1.935
%RSD	.8731	.5549	.4090	12.01	239.6	105.6

#1	48950.	634.1	156600.	5.991	-.2596	2.914
#2	49250.	637.2	157200.	4.978	.3154	-.4013
#3	48410.	630.2	155900.	4.828	-.6835	2.986

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	-3.330	-.8863	3.401	18.89	742.3	8.080
Stddev	2.911	1.883	.287	.11	6.3	.362
%RSD	87.40	212.4	8.426	.5649	.8536	4.482

#1	-4.853	.0563	3.702	18.97	735.3	7.662
#2	-5.164	-3.054	3.132	18.93	743.9	8.296
#3	.0260	.3388	3.369	18.77	747.6	8.281

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-F-3-B Acquired: 4/10/2016 17:16:51 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.423	1062.	.5428	10160.
Stddev	.806	3.	.1454	231.
%RSD	56.64	.3132	26.78	2.273

#1	-.8441	1058.	.5113	10080.
#2	-2.344	1062.	.4158	9985.
#3	-1.081	1065.	.7013	10420.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9220.3	62577.	9632.7
Stddev	74.0	992.	272.0
%RSD	.80252	1.5853	2.8239

#1	9187.8	62516.	9654.3
#2	9168.1	61617.	9350.4
#3	9305.0	63598.	9893.2

Sample Name: 460-111377-E-4-B Acquired: 4/10/2016 17:20:39 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.28	1.234	.0877	243.2	-.0809	123100.
Stddev	1.89	.862	.2982	.2	.1749	288.
%RSD	10.96	69.79	340.1	.0762	216.2	.2338

#1	17.00	.3965	.4316	243.4	-.2744	123000.
#2	15.55	2.118	-.0688	243.1	.0659	122800.
#3	19.30	1.189	-.0996	243.1	-.0341	123400.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0011	1.823	-1.425	.6849	-1.019	47200.
Stddev	.0500	.138	.335	.2044	4.899	67.
%RSD	4558.	7.564	23.53	29.84	480.7	.1418

#1	-.0029	1.977	-1.535	.4559	-2.962	47230.
#2	.0529	1.781	-1.049	.7498	-4.649	47120.
#3	-.0467	1.711	-1.692	.8490	4.553	47240.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-E-4-B Acquired: 4/10/2016 17:20:39 Type: Unk
Method: BC04012016_P(v16) 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	22080.	480.1	F 254500.	10.78	-.8335	3.280
Stddev	68.	.4	1784.	.82	.8672	1.397
%RSD	.3088	.0785	.7008	7.648	104.0	42.59

#1	22050.	480.1	256500.	10.71	-.0778	4.882
#2	22030.	479.7	254100.	9.993	-1.780	2.643
#3	22160.	480.5	253000.	11.64	-.6423	2.316

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.909	-.8057	.8952	28.12	448.4	2.511
Stddev	3.543	2.444	.1465	.25	2.2	.202
%RSD	90.62	303.4	16.36	.8732	.4979	8.026

#1	-5.150	1.868	.7952	27.90	451.0	2.559
#2	.0866	-1.359	1.063	28.07	447.0	2.290
#3	-6.665	-2.926	.8271	28.38	447.3	2.685

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-E-4-B Acquired: 4/10/2016 17:20:39 Type: Unk
 Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.433	780.2	.1112	9114.
Stddev	.646	1.9	.1899	137.
%RSD	45.10	.2451	170.8	1.501

#1	-.6940	780.5	.1630	8956.
#2	-1.892	782.0	-.0993	9202.
#3	-1.714	778.2	.2698	9183.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9179.1	62522.	9764.3
Stddev	52.0	366.	96.0
%RSD	.56638	.58613	.98327

#1	9216.3	62661.	9777.7
#2	9201.3	62800.	9852.8
#3	9119.7	62107.	9662.2

Sample Name: 460-111377-E-4-B@2 Acquired: 4/10/2016 17:24:29 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.185	-1.747	.5439	121.6	-.0016	60830.
Stddev	3.599	.372	.3280	.2	.1014	229.
%RSD	113.0	21.31	60.30	.1578	6251.	.3759

#1	-6.885	-2.164	.9214	121.6	-.1023	60570.
#2	.3038	-1.626	.3820	121.8	.1005	60960.
#3	-2.973	-1.450	.3284	121.4	-.0030	60960.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0091	.6565	-.6328	-.0445	-.0925	23270.
Stddev	.1405	.1762	.3251	.1969	4.872	64.
%RSD	1549.	26.84	51.37	442.7	5269.	.2758

#1	-.1272	.5411	-.9432	.1809	4.943	23200.
#2	-.0463	.5690	-.2949	-.1836	-4.782	23300.
#3	.1463	.8593	-.6603	-.1307	-4.385	23320.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-E-4-B@2 Acquired: 4/10/2016 17:24:29 Type: Unk

Method: BC04012016_P(v16) 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	10950.	239.9	128200.	5.126	.6583	3.429
Stddev	34.	.3	213.	.229	1.187	1.205
%RSD	.3137	.1047	.1664	4.461	180.3	35.13

#1	10910.	239.7	128300.	4.866	.6402	4.768
#2	10960.	240.1	128300.	5.297	1.854	3.089
#3	10970.	239.7	127900.	5.215	-.5193	2.431

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	-5.872	-2.464	.3947	14.04	222.0	-.0390
Stddev	1.962	1.369	.3208	.14	2.8	.2741
%RSD	33.42	55.53	81.27	1.031	1.244	702.6

#1	-6.673	-3.962	.0309	13.97	221.7	-.3398
#2	-7.308	-1.279	.5164	14.21	224.9	.1966
#3	-3.636	-2.152	.6369	13.95	219.4	.0261

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-E-4-B@2 Acquired: 4/10/2016 17:24:29 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.263	390.4	-.0840	4372.
Stddev	.928	1.7	.3425	125.
%RSD	73.48	.4457	407.7	2.850

#1	-2.108	388.4	-.4644	4239.
#2	-1.410	391.8	.1998	4393.
#3	-.2699	391.0	.0126	4485.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9383.3	63633.	9555.1
Stddev	14.0	314.	195.4
%RSD	.14960	.49416	2.0452

#1	9387.3	63993.	9329.5
#2	9367.7	63497.	9673.9
#3	9394.9	63409.	9661.8

Sample Name: 460-111377-G-5-B Acquired: 4/10/2016 17:28:18 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28.83	.5498	.1240	255.9	-.0666	131400.
Stddev	10.25	1.554	.4044	.5	.0626	1191.
%RSD	35.54	282.6	326.2	.1809	94.04	.9066

#1	20.58	.3415	-.0197	255.8	-.0114	130900.
#2	40.30	-.8891	-.1889	256.4	-.0537	132700.
#3	25.61	2.197	.5805	255.5	-.1346	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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0414	1.051	-1.176	3.087	-13.25	45850.
Stddev	.0486	.170	.479	.500	2.30	115.
%RSD	117.6	16.15	40.74	16.18	17.34	.2516

#1	.0941	.9450	-.6282	3.107	-14.77	45790.
#2	.0318	1.246	-1.385	2.577	-14.38	45980.
#3	-.0018	.9608	-1.516	3.575	-10.61	45780.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-G-5-B Acquired: 4/10/2016 17:28:18 Type: Unk
Method: BC04012016_P(v16) 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	39870.	141.7	164500.	14.09	1.579	5.351
Stddev	327.	1.5	509.	.40	.098	2.538
%RSD	.8201	1.076	.3094	2.829	6.202	47.43

#1	39670.	140.0	164900.	13.63	1.511	4.442
#2	40250.	142.0	164800.	14.37	1.535	8.219
#3	39690.	143.0	163900.	14.26	1.691	3.394

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	-1.122	-.2119	.5422	86.38	750.0	2.270
Stddev	2.982	2.714	.2752	.45	4.5	.176
%RSD	265.7	1281.	50.76	.5200	.5967	7.763

#1	-.6553	2.385	.3412	86.85	746.7	2.376
#2	1.598	.0094	.8559	85.96	748.2	2.067
#3	-4.310	-3.030	.4297	86.32	755.1	2.368

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-G-5-B Acquired: 4/10/2016 17:28:18 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.780	1125.	.0338	11400.
Stddev	.512	2.	.0798	193.
%RSD	28.79	.1536	235.9	1.693

#1	-2.371	1127.	.0294	11330.
#2	-1.471	1123.	-.0437	11240.
#3	-1.496	1125.	.1158	11610.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9206.6	62397.	9610.4
Stddev	13.9	996.	229.0
%RSD	.15141	1.5956	2.3828

#1	9191.0	62847.	9699.4
#2	9211.2	61256.	9350.3
#3	9217.8	63088.	9781.7

Sample Name: 460-111377-I-6-B Acquired: 4/10/2016 17:32:05 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28.89	3.086	.4448	92.43	.0006	129900.
Stddev	12.48	2.658	.5873	.55	.1780	749.
%RSD	43.22	86.14	132.1	.5972	30610.	.5765
#1	36.16	.0166	.1660	92.40	.0759	129700.
#2	14.47	4.619	1.120	92.99	.1285	129200.
#3	36.03	4.623	.0488	91.89	-.2027	130700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0138	.5992	-1.522	.3888	-7.929	37850.
Stddev	.0273	.2205	.450	.2428	12.49	66.
%RSD	197.2	36.80	29.58	62.44	157.6	.1735
#1	-.0156	.7836	-1.498	.1086	-13.92	37860.
#2	.0383	.3550	-1.983	.5230	-16.30	37780.
#3	.0188	.6590	-1.084	.5349	6.432	37910.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-I-6-B Acquired: 4/10/2016 17:32:05 Type: Unk
Method: BC04012016_P(v16) 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	47940.	102.3	157500.	4.072	1.325	1.999
Stddev	299.	1.5	506.	.677	1.731	.861
%RSD	.6237	1.502	.3211	16.62	130.7	43.08

#1	47880.	101.3	158100.	3.298	.3283	1.791
#2	47670.	101.6	157200.	4.549	.3221	1.261
#3	48260.	104.1	157300.	4.369	3.324	2.945

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	-2.109	-2.308	.8046	2.572	614.6	6.176
Stddev	.396	4.164	.1055	.044	4.7	.100
%RSD	18.80	180.4	13.11	1.694	.7674	1.624

#1	-1.727	-4.099	.9210	2.578	616.6	6.260
#2	-2.080	-5.276	.7154	2.526	617.9	6.203
#3	-2.519	2.451	.7774	2.613	609.2	6.065

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-I-6-B Acquired: 4/10/2016 17:32:05 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.793	962.1	.1245	11290.
Stddev	.478	.5	.1677	232.
%RSD	26.65	.0566	134.8	2.053

#1	-1.778	962.3	-.0161	11040.
#2	-1.323	962.5	.0794	11490.
#3	-2.278	961.5	.3101	11360.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9078.8	62465.	9703.1
Stddev	80.3	564.	139.3
%RSD	.88430	.90312	1.4352

#1	9110.4	62652.	9688.6
#2	9138.4	62912.	9849.1
#3	8987.5	61831.	9571.7

Sample Name: pds460-111850-A-1-A Acquired: 4/10/2016 17:35:55 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	65920.	1951.	51.45	2223.	52.27	26650.
Stddev	157.	4.	.69	1.	.26	47.
%RSD	.2385	.2198	1.340	.0511	.4958	.1747

#1	65770.	1947.	51.85	2224.	52.23	26600.
#2	66080.	1952.	51.84	2222.	52.54	26690.
#3	65920.	1955.	50.65	2222.	52.03	26680.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.08	517.3	291.1	326.1	87300.	19850.
Stddev	.08	.2	1.2	1.5	147.	99.
%RSD	.1578	.0392	.4270	.4494	.1688	.4985

#1	48.02	517.5	292.5	327.8	87190.	19780.
#2	48.16	517.1	290.2	325.6	87260.	19960.
#3	48.04	517.3	290.6	325.0	87470.	19810.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds460-111850-A-1-A Acquired: 4/10/2016 17:35:55 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27310.	1900.	19330.	559.1	805.3	467.4
Stddev	120.	3.	52.	.8	1.9	4.1
%RSD	.4407	.1839	.2675	.1379	.2407	.8876

#1	27180.	1897.	19290.	558.3	805.9	472.0
#2	27340.	1900.	19390.	559.5	803.1	464.1
#3	27420.	1904.	19320.	559.6	806.8	466.0

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	1860.	1984.	638.2	699.4	491.8	469.6
Stddev	11.	8.	2.4	1.4	2.2	2.9
%RSD	.6037	.3912	.3816	.1995	.4380	.6195

#1	1871.	1980.	641.0	697.8	493.1	471.2
#2	1848.	1978.	636.6	699.7	489.3	466.2
#3	1861.	1993.	636.9	700.5	493.1	471.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds460-111850-A-1-A Acquired: 4/10/2016 17:35:55 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	498.7	530.6	2271.	1054.
Stddev	2.5	.4	5.	16.
%RSD	.4944	.0763	.2233	1.536

#1	500.1	531.1	2266.	1041.
#2	495.9	530.6	2272.	1048.
#3	500.2	530.3	2276.	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	9617.8	65550.	10139.
Stddev	39.8	560.	94.
%RSD	.41411	.85442	.92565

#1	9572.1	64910.	10178.
#2	9636.5	65785.	10032.
#3	9644.8	65953.	10207.

Sample Name: CCV Acquired: 4/10/2016 17:39:27 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121300.	2465.	1231.	9971.	989.7	125200.
Stddev	299.	5.	3.	9.	3.2	509.
%RSD	.2467	.1928	.2094	.0860	.3272	.4067

#1	121000.	2466.	1233.	9972.	986.7	124700.
#2	121300.	2460.	1229.	9962.	989.4	125700.
#3	121600.	2470.	1229.	9979.	993.1	125400.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1237.	2472.	5084.	12360.	100500.	48170.
Stddev	1.	1.	13.	67.	289.	121.
%RSD	.1059	.0259	.2540	.5429	.2875	.2521

#1	1237.	2472.	5071.	12440.	100200.	48050.
#2	1236.	2471.	5097.	12340.	100800.	48170.
#3	1239.	2472.	5083.	12310.	100700.	48300.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/10/2016 17:39:27 Type: QC
Method: BC04012016_P(v16) 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	126400.	5129.	123200.	2497.	7451.	979.8
Stddev	546.	12.	101.	1.	3.	1.2
%RSD	.4323	.2310	.0820	.0593	.0461	.1240

#1	125800.	5117.	123200.	2498.	7450.	980.7
#2	126800.	5141.	123000.	2495.	7448.	980.3
#3	126500.	5130.	123200.	2497.	7455.	978.4

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	2425.	2474.	2495.	2504.	979.2	2418.
Stddev	6.	6.	2.	7.	4.4	5.
%RSD	.2602	.2626	.0732	.2739	.4445	.2213

#1	2424.	2467.	2495.	2501.	977.0	2418.
#2	2420.	2475.	2497.	2512.	976.4	2413.
#3	2432.	2480.	2493.	2499.	984.3	2424.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/10/2016 17:39:27 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	986.8	4862.	10120.	9652.
Stddev	2.8	4.	11.	133.
%RSD	.2850	.0919	.1043	1.375

#1	983.8	4861.	10130.	9701.
#2	989.4	4859.	10130.	9752.
#3	987.1	4867.	10110.	9501.

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	9030.3	61404.	9536.0
Stddev	17.9	519.	116.1
%RSD	.19803	.84580	1.2173

#1	9041.6	62002.	9664.7
#2	9009.7	61062.	9504.0
#3	9039.5	61150.	9439.3

Sample Name: CCB Acquired: 4/10/2016 17:42:56 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.971	-1.240	.2526	.4512	.1501	-15.55
Stddev	11.34	1.010	.4349	1.094	.0928	7.17
%RSD	126.4	81.45	172.2	242.4	61.83	46.12
#1	11.90	-1.018	.5518	1.713	.2538	-7.586
#2	-3.546	-2.343	.4523	-.2128	.0751	-21.50
#3	18.56	-.3601	-.2463	-.1470	.1212	-17.57

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0266	-.0261	-.7849	-.0175	4.072	7.764
Stddev	.1821	.3961	.5210	.5487	7.107	40.14
%RSD	685.2	1517.	66.37	3130.	174.6	517.0
#1	.2360	.3949	-.6675	.6010	4.188	54.06
#2	-.0948	-.3912	-.3327	-.2080	11.12	-13.61
#3	-.0615	-.0820	-1.355	-.4456	-3.093	-17.17

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/10/2016 17:42:56 Type: QC
Method: BC04012016_P(v16) 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	-7.730	-.3801	25.72	-.0443	1.524	.5251
Stddev	6.211	.1957	19.97	.5935	1.500	2.448
%RSD	80.34	51.48	77.66	1340.	98.40	466.2

#1	-8.973	-.1635	48.36	.3822	3.155	.8643
#2	-9.261	-.4325	18.21	-.7220	.2054	2.786
#3	-13.03	-.5442	10.59	.2070	1.211	-2.075

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	-2.028	.2063	.2135	-.1026	-.5754	-.4050
Stddev	3.556	2.632	.2609	.2596	.8979	.1532
%RSD	175.3	1276.	122.2	253.1	156.0	37.82

#1	-1.198	.5844	-.0857	.1637	.4508	-.2869
#2	-5.926	2.628	.3929	-.1165	-1.217	-.5780
#3	1.039	-2.594	.3334	-.3549	-.9604	-.3500

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/10/2016 17:42:56 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.131	.2918	-.5527	-4.243
Stddev	.793	.4072	.2193	4.202
%RSD	70.12	139.5	39.68	99.02

#1	-.3230	.2166	-.2998	-.5828
#2	-1.162	-.0725	-.6894	-8.832
#3	-1.909	.7314	-.6690	-3.316

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	9635.2	65411.	9914.3
Stddev	41.9	499.	168.7
%RSD	.43500	.76262	1.7019

#1	9652.1	65624.	10000.
#2	9666.0	65769.	10023.
#3	9587.5	64841.	9719.9

Sample Name: CCVL Acquired: 4/10/2016 17:46:51 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	193.4	12.57	9.883	204.9	1.987	5042.
Stddev	5.6	.58	.284	.3	.152	31.
%RSD	2.894	4.650	2.874	.1561	7.668	.6157

#1	188.8	11.91	9.578	204.6	2.149	5038.
#2	199.7	12.99	10.14	205.3	1.962	5013.
#3	191.8	12.83	9.930	204.9	1.848	5074.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.000	51.38	9.487	23.26	154.7	4802.
Stddev	.079	.42	.540	.56	7.2	67.
%RSD	1.971	.8227	5.692	2.397	4.655	1.401

#1	3.992	50.89	10.01	23.68	162.4	4724.
#2	4.082	51.64	9.513	22.63	148.1	4841.
#3	3.925	51.60	8.934	23.47	153.4	4840.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/10/2016 17:46:51 Type: QC
Method: BC04012016_P(v16) 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	4912.	15.55	4917.	41.86	11.20	19.63
Stddev	58.	.17	15.	.06	.87	1.60
%RSD	1.190	1.063	.3073	.1470	7.777	8.153

#1	4900.	15.54	4933.	41.80	11.59	21.33
#2	4861.	15.39	4914.	41.86	10.20	19.41
#3	4976.	15.72	4903.	41.92	11.80	18.15

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	17.86	17.14	50.42	31.05	46.97	17.60
Stddev	1.46	1.95	.79	.41	.75	.33
%RSD	8.179	11.39	1.560	1.318	1.589	1.901

#1	19.03	17.75	50.87	30.67	46.50	17.23
#2	18.34	14.96	49.51	30.99	46.58	17.70
#3	16.22	18.71	50.88	31.48	47.83	17.87

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/10/2016 17:46:51 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	48.86	20.40	18.77	F 7.435
Stddev	.40	.21	.38	3.911
%RSD	.8108	1.031	2.028	52.60

#1	48.41	20.17	18.66	6.603
#2	49.04	20.47	18.46	11.69
#3	49.14	20.57	19.19	4.007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9655.9	65748.	9765.1
Stddev	43.0	334.	121.5
%RSD	.44545	.50871	1.2446

#1	9675.6	65625.	9679.9
#2	9685.5	66126.	9904.3
#3	9606.5	65492.	9711.1

Sample Name: 460-111850-A-1-C MS Acquired: 4/10/2016 17:50:43 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	65740.	982.6	23.20	1215.	26.87	16270.
Stddev	187.	6.6	.70	3.	.15	32.
%RSD	.2847	.6710	3.024	.2401	.5678	.1940

#1	65620.	978.8	23.47	1216.	26.71	16240.
#2	65950.	978.7	22.41	1218.	27.01	16300.
#3	65640.	990.2	23.73	1212.	26.91	16280.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.72	269.2	186.1	186.9	95280.	11350.
Stddev	.25	1.5	1.5	.2	25.	69.
%RSD	1.058	.5462	.8153	.1068	.0264	.6056

#1	23.79	270.2	185.8	187.0	95250.	11300.
#2	23.44	267.5	187.7	186.7	95300.	11430.
#3	23.93	270.0	184.7	187.1	95280.	11330.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111850-A-1-C MS Acquired: 4/10/2016 17:50:43 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17820.	1481.	9698.	308.3	517.9	107.7
Stddev	40.	1.	5.	2.1	1.0	2.5
%RSD	.2240	.0728	.0536	.6821	.1843	2.350

#1	17770.	1480.	9692.	309.2	518.8	110.3
#2	17820.	1481.	9701.	305.9	516.9	105.2
#3	17850.	1482.	9700.	309.9	518.0	107.5

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	913.8	990.3	356.4	448.0	230.4	229.2
Stddev	9.7	10.8	.6	5.2	2.4	2.0
%RSD	1.064	1.091	.1673	1.165	1.061	.8663

#1	904.4	979.1	356.2	444.7	227.7	226.9
#2	923.8	1001.	357.1	454.0	232.5	230.6
#3	913.1	991.3	355.9	445.4	230.9	229.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111850-A-1-C MS Acquired: 4/10/2016 17:50:43 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	234.6	286.8	1830.	1233.
Stddev	1.5	.9	4.	27.
%RSD	.6528	.3053	.1919	2.170

#1	232.9	286.5	1826.	1219.
#2	235.6	287.8	1830.	1216.
#3	235.5	286.1	1833.	1264.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9499.2	63959.	9609.2
Stddev	32.0	200.	82.1
%RSD	.33715	.31240	.85410

#1	9470.3	63738.	9537.9
#2	9533.6	64009.	9590.9
#3	9493.8	64128.	9698.9

Sample Name: 460-111850-A-1-B DU Acquired: 4/10/2016 17:54:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	70410.	61.08	-.2012	277.7	2.554	8634.
Stddev	282.	.76	.0991	.4	.041	17.
%RSD	.4000	1.247	49.28	.1402	1.589	.1935
#1	70100.	61.81	-.3091	277.2	2.590	8617.
#2	70480.	60.29	-.1803	278.0	2.562	8635.
#3	70650.	61.15	-.1141	277.8	2.510	8650.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4421	27.24	98.19	84.09	90050.	2605.
Stddev	.1859	.30	1.03	.96	26.	21.
%RSD	42.06	1.086	1.053	1.147	.0286	.7911
#1	-.2490	27.24	97.10	84.39	90020.	2592.
#2	-.4573	27.53	98.30	83.02	90060.	2629.
#3	-.6199	26.94	99.16	84.88	90070.	2594.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111850-A-1-B DU Acquired: 4/10/2016 17:54:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14510.	1460.	171.7	77.38	274.6	3.218
Stddev	22.	2.	1.0	.76	3.2	1.790
%RSD	.1490	.1123	.5968	.9872	1.175	55.62

#1	14480.	1459.	170.9	77.14	272.9	4.087
#2	14520.	1460.	172.9	78.24	278.3	4.409
#3	14520.	1462.	171.5	76.77	272.6	1.160

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	-.4938	1.772	125.7	232.8	.3894	.8819
Stddev	4.288	.313	.9	2.0	.2325	.1806
%RSD	868.4	17.68	.6911	.8635	59.70	20.48

#1	-.3814	1.602	125.2	231.3	.5733	.6788
#2	-4.837	1.580	125.2	235.1	.4668	.9427
#3	3.737	2.133	126.7	232.1	.1281	1.024

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111850-A-1-B DU Acquired: 4/10/2016 17:54:20 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.64	55.93	1735.	994.5
Stddev	.24	.06	1.	7.4
%RSD	1.775	.1096	.0625	.7479

#1	13.62	55.99	1736.	990.5
#2	13.89	55.93	1734.	1003.
#3	13.40	55.86	1736.	989.9

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	9636.8	65381.	9994.0
Stddev	19.4	98.	171.8
%RSD	.20143	.14969	1.7192

#1	9634.3	65278.	10192.
#2	9657.4	65472.	9907.0
#3	9618.8	65393.	9883.1

Sample Name: 460-111850-A-1-A@4 Acquired: 4/10/2016 17:58:04 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64040.	60.05	-.0587	261.9	2.494	7531.
Stddev	247.	1.46	.1862	.2	.132	49.
%RSD	.3862	2.424	317.0	.0950	5.302	.6546

#1	63780.	58.43	-.2631	261.7	2.642	7547.
#2	64060.	61.24	.1011	262.2	2.389	7571.
#3	64270.	60.48	-.0141	261.8	2.450	7476.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2733	27.24	89.84	82.89	87150.	2543.
Stddev	.0901	.26	.64	.47	143.	31.
%RSD	32.99	.9662	.7172	.5707	.1645	1.216

#1	-.3702	26.94	89.12	82.34	86980.	2535.
#2	-.2577	27.36	90.06	83.22	87210.	2577.
#3	-.1920	27.42	90.35	83.10	87250.	2516.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111850-A-1-A@4 Acquired: 4/10/2016 17:58:04 Type: Unk

Method: BC04012016_P(v16) 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	8522.	1409.	176.7	61.31	327.6	4.495
Stddev	96.	2.	3.6	.40	4.4	.302
%RSD	1.122	.1290	2.019	.6446	1.341	6.731

#1	8412.	1407.	172.6	61.29	322.6	4.823
#2	8568.	1410.	179.1	60.93	329.5	4.227
#3	8587.	1411.	178.3	61.72	330.7	4.434

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	-.6851	2.052	150.5	217.9	-1.427	.7281
Stddev	1.253	1.587	.9	2.3	.326	.3529
%RSD	182.9	77.34	.5939	1.034	22.86	48.47

#1	.6950	3.760	150.1	215.3	-1.798	.3467
#2	-.9998	1.776	151.5	218.8	-1.297	1.043
#3	-1.750	.6216	149.8	219.5	-1.186	.7946

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111850-A-1-A@4 Acquired: 4/10/2016 17:58:04 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.95	51.39	1763.	1005.
Stddev	.23	.11	4.	7.
%RSD	1.648	.2212	.2214	.6830

#1	13.75	51.44	1767.	1012.
#2	14.20	51.26	1762.	997.9
#3	13.90	51.46	1760.	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	9769.8	66551.	10160.
Stddev	31.5	96.	89.
%RSD	.32223	.14413	.87930

#1	9735.1	66469.	10245.
#2	9796.5	66657.	10168.
#3	9778.0	66527.	10067.

Sample Name: sd460-111850-A-1-A@2 Acquired: 4/10/2016 18:01:49 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 20

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12980.	11.57	.2343	52.41	.5029	1520.
Stddev	40.	.95	.1163	.25	.0842	5.
%RSD	.3050	8.227	49.64	.4701	16.75	.3559

#1	12940.	12.62	.1448	52.43	.5992	1515.
#2	13020.	11.33	.1922	52.65	.4666	1519.
#3	12980.	10.76	.3658	52.16	.4429	1525.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1950	5.444	17.58	15.45	17960.	476.2
Stddev	.0559	.151	.76	.19	63.	36.9
%RSD	28.66	2.769	4.347	1.227	.3513	7.742

#1	-.1493	5.288	17.57	15.46	18030.	517.5
#2	-.1785	5.457	16.82	15.26	17900.	464.7
#3	-.2573	5.588	18.35	15.64	17950.	446.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd460-111850-A-1-A@2 Acquired: 4/10/2016 18:01:49 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 20

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1698.	285.5	-3.488	12.63	66.72	.7552
Stddev	7.	1.0	7.800	.59	1.46	.5498
%RSD	.4162	.3565	223.6	4.668	2.191	72.80

#1	1704.	286.7	2.493	13.25	65.67	.1289
#2	1690.	285.3	-.6453	12.57	66.10	1.158
#3	1700.	284.7	-12.31	12.08	68.39	.9789

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	-2.930	-.7553	29.88	43.92	-2.871	-1.613
Stddev	2.788	2.376	.32	.28	.246	.129
%RSD	95.14	314.6	1.078	.6473	8.569	8.001

#1	-5.296	-2.978	29.79	43.65	-3.142	-1.703
#2	.1434	1.750	30.24	43.89	-2.661	-1.465
#3	-3.638	-1.038	29.62	44.22	-2.812	-1.672

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd460-111850-A-1-A@2 Acquired: 4/10/2016 18:01:49 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 20

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.463	10.09	349.1	185.5
Stddev	.189	.19	1.4	11.5
%RSD	7.663	1.863	.3874	6.205

#1	2.628	9.969	350.0	172.3
#2	2.257	10.31	349.7	193.6
#3	2.503	9.993	347.5	190.6

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	9760.2	66294.	10076.
Stddev	32.6	149.	45.
%RSD	.33374	.22543	.44551

#1	9793.0	66397.	10084.
#2	9727.8	66363.	10116.
#3	9759.8	66123.	10027.

Sample Name: MB 460-361679/1-A@2 Acquired: 4/10/2016 18:05:39 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.946	-2.603	.1950	-.2921	.1043	1.413
Stddev	18.98	1.393	.3186	.1244	.1549	2.901
%RSD	273.3	53.54	163.4	42.58	148.6	205.3
#1	2.881	-1.185	.3802	-.4136	.2307	2.620
#2	-9.673	-3.970	-.1729	-.1650	-.0685	3.517
#3	27.63	-2.653	.3776	-.2976	.1506	-1.897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2311	-.2024	-.1773	-1.311	2.005	-48.63
Stddev	.0890	.2277	.2350	.236	12.96	22.36
%RSD	38.53	112.5	132.6	18.00	646.3	45.99
#1	-.2492	-.3264	-.0298	-1.346	16.92	-24.69
#2	-.3097	.0604	-.0537	-1.527	-4.500	-68.98
#3	-.1344	-.3413	-.4482	-1.059	-6.411	-52.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-361679/1-A@2 Acquired: 4/10/2016 18:05:39 Type: QC
Method: BC04012016_P(v16) 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	-12.50	-5.208	-38.39	.0147	-.8737	-.1727
Stddev	.98	.0856	8.23	.0990	1.988	2.730
%RSD	7.878	16.43	21.45	671.3	227.5	1581.
#1	-13.55	-.4255	-35.28	-.0987	-1.928	-2.786
#2	-12.35	-.5459	-47.72	.0839	1.419	2.661
#3	-11.60	-.5911	-32.15	.0589	-2.112	-.3931

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	-1.197	-3.322	-.1033	.3316	-1.971	-2.152
Stddev	3.407	3.822	.4215	.0140	.380	.103
%RSD	284.7	115.1	408.2	4.214	19.30	4.810
#1	-2.591	-7.064	-.5898	.3456	-2.207	-2.077
#2	2.686	-3.475	.1278	.3176	-1.532	-2.270
#3	-3.685	.5747	.1522	.3314	-2.174	-2.109

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-361679/1-A@2 Acquired: 4/10/2016 18:05:39 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	16.29	-.1557	-2.122	-.3312
Stddev	.68	.0537	.233	2.567
%RSD	4.155	34.49	11.00	774.9

#1	16.87	-.1339	-2.083	-2.630
#2	16.44	-.1163	-2.372	2.438
#3	15.55	-.2168	-1.910	-.8010

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	9663.7	66545.	9952.9
Stddev	47.6	441.	109.0
%RSD	.49255	.66215	1.0951

#1	9647.8	66248.	10002.
#2	9626.1	66336.	9828.0
#3	9717.2	67051.	10029.

Sample Name: LCSSRM 460-361679/2- Acquired: 4/10/2016 18:09:32 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35200.	688.7	143.8	1020.	476.1	27140.
Stddev	305.	3.1	1.0	3.	4.1	202.
%RSD	.8673	.4487	.6942	.2603	.8620	.7452

#1	34900.	691.8	143.8	1020.	472.3	27050.
#2	35190.	688.7	142.7	1022.	475.5	27010.
#3	35510.	685.6	144.7	1017.	480.5	27380.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	434.8	776.4	718.7	835.9	70050.	10620.
Stddev	.1	2.0	4.3	1.4	320.	98.
%RSD	.0292	.2552	.5990	.1653	.4567	.9212

#1	434.7	776.7	719.5	835.3	70070.	10540.
#2	434.8	778.1	714.1	837.4	69730.	10610.
#3	435.0	774.2	722.6	834.9	70360.	10730.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-361679/2- Acquired: 4/10/2016 18:09:32 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12260.	1524.	4008.	672.3	732.1	308.7
Stddev	61.	6.	32.	1.3	.9	1.2
%RSD	.4962	.4107	.8013	.1983	.1207	.3732

#1	12260.	1522.	3983.	671.6	731.1	309.0
#2	12210.	1518.	3998.	673.8	732.9	309.7
#3	12330.	1530.	4044.	671.5	732.4	307.4

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	838.0	729.5	546.7	962.3	627.2	551.7
Stddev	8.5	5.8	.6	3.5	6.9	3.7
%RSD	1.014	.8011	.1039	.3601	1.097	.6691

#1	832.4	725.1	546.7	962.7	621.7	549.4
#2	847.7	736.1	546.2	958.7	635.0	556.0
#3	833.7	727.4	547.3	965.6	625.0	549.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-361679/2- Acquired: 4/10/2016 18:09:32 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: x4

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	703.9	497.8	1492.	1144.
Stddev	3.2	1.0	1.	13.
%RSD	.4550	.1931	.0596	1.161

#1	701.7	497.0	1492.	1153.
#2	707.5	497.5	1493.	1151.
#3	702.4	498.8	1491.	1129.

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	9681.8	65935.	9926.7
Stddev	60.3	834.	245.7
%RSD	.62293	1.2653	2.4751

#1	9675.0	65977.	10098.
#2	9745.2	66748.	10037.
#3	9625.2	65081.	9645.2

Sample Name: 460-111661-A-3-A@4 Acquired: 4/10/2016 18:13:07 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	79310.	377.8	-3.283	418.1	9.341	41700.
Stddev	251.	3.0	.580	1.2	.152	159.
%RSD	.3168	.8034	17.66	.2818	1.624	.3811

#1	79020.	375.3	-3.845	417.3	9.290	41530.
#2	79430.	381.2	-2.687	419.5	9.222	41720.
#3	79480.	377.0	-3.317	417.6	9.512	41850.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.409	116.2	515.6	14.42	F 736900.	33520.
Stddev	.742	.6	3.4	.44	3059.	146.
%RSD	52.68	.5002	.6605	3.058	.4151	.4352

#1	-.7148	115.7	511.9	13.95	733700.	33360.
#2	-1.320	116.8	516.4	14.50	737300.	33540.
#3	-2.191	115.9	518.5	14.82	739800.	33650.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-111661-A-3-A@4 Acquired: 4/10/2016 18:13:07 Type: Unk

Method: BC04012016_P(v16) 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	40870.	2385.	245.4	178.2	169.1	30.30
Stddev	210.	11.	9.1	1.3	2.5	1.24
%RSD	.5140	.4615	3.689	.7297	1.487	4.086

#1	40640.	2373.	243.4	176.9	166.3	29.08
#2	40930.	2385.	255.3	178.1	169.9	31.56
#3	41050.	2395.	237.5	179.5	171.2	30.25

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -23.16	28.22	1946.	568.1	106.5	3.445
Stddev	3.40	3.48	6.	3.8	.9	.181
%RSD	14.68	12.34	.2981	.6772	.8754	5.269

#1	-19.97	29.00	1939.	564.1	106.0	3.311
#2	-26.74	24.41	1949.	568.3	107.6	3.373
#3	-22.78	31.25	1950.	571.8	105.9	3.652

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5000.					
Low Limit	-10.00					

Sample Name: 460-111661-A-3-A@4 Acquired: 4/10/2016 18:13:07 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	11.62	113.8	2222.	1588.
Stddev	.18	.4	9.	19.
%RSD	1.590	.3317	.4021	1.223

#1	11.82	113.4	2213.	1568.
#2	11.46	114.1	2222.	1590.
#3	11.58	113.9	2231.	1607.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9570.6	66048.	10278.
Stddev	17.1	131.	127.
%RSD	.17864	.19853	1.2323

#1	9575.3	65900.	10134.
#2	9584.8	66097.	10328.
#3	9551.6	66148.	10372.

Sample Name: 460-111661-A-4-A@4 Acquired: 4/10/2016 18:16:46 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	69660.	294.1	-2.492	392.8	9.149	48670.
Stddev	19.	1.0	.108	1.4	.293	121.
%RSD	.0274	.3476	4.315	.3604	3.206	.2479

#1	69680.	292.9	-2.571	394.2	8.919	48700.
#2	69660.	294.7	-2.534	392.6	9.048	48540.
#3	69640.	294.7	-2.369	391.4	9.479	48780.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.990	101.9	442.5	9.145	F 776800.	27680.
Stddev	.291	.2	1.2	.201	832.	37.
%RSD	14.65	.2319	.2624	2.198	.1070	.1343

#1	-2.266	102.1	443.3	9.020	777400.	27640.
#2	-1.685	102.0	441.2	9.377	775900.	27680.
#3	-2.019	101.7	443.1	9.037	777200.	27720.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-111661-A-4-A@4 Acquired: 4/10/2016 18:16:46 Type: Unk

Method: BC04012016_P(v16) 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	38750.	2775.	170.7	159.0	117.1	33.23
Stddev	83.	1.	11.3	.2	1.3	.70
%RSD	.2148	.0463	6.625	.1108	1.111	2.117

#1	38780.	2776.	166.2	159.1	117.7	33.94
#2	38650.	2774.	183.5	158.9	117.9	33.21
#3	38810.	2774.	162.3	159.2	115.6	32.53

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	F -24.09	31.74	1647.	519.3	76.30	3.133
Stddev	3.72	2.89	1.	3.3	1.42	.163
%RSD	15.43	9.096	.0673	.6391	1.863	5.193

#1	-21.05	28.89	1648.	519.9	75.77	3.155
#2	-22.98	34.66	1647.	522.3	75.21	3.283
#3	-28.23	31.68	1646.	515.8	77.91	2.960

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5000.					
Low Limit	-10.00					

Sample Name: 460-111661-A-4-A@4 Acquired: 4/10/2016 18:16:46 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9.548	111.5	1965.	1631.
Stddev	1.101	.1	4.	13.
%RSD	11.53	.0839	.2137	.7993

#1	8.863	111.4	1968.	1624.
#2	8.964	111.6	1966.	1646.
#3	10.82	111.5	1960.	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	9549.9	65212.	10147.
Stddev	47.9	443.	146.
%RSD	.50119	.67952	1.4434

#1	9513.7	64930.	9994.5
#2	9531.8	65723.	10286.
#3	9604.2	64983.	10161.

Sample Name: 460-111850-A-2-A@4 Acquired: 4/10/2016 18:20:26 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	65040.	35.98	.3136	2109.	2.536	9798.
Stddev	453.	2.00	.4971	7.	.204	96.
%RSD	.6961	5.551	158.5	.3347	8.029	.9775

#1	64550.	38.20	-.1289	2102.	2.699	9714.
#2	65130.	34.34	.2182	2112.	2.602	9779.
#3	65450.	35.38	.8516	2115.	2.308	9902.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5522	26.52	104.7	996.1	83420.	1989.
Stddev	.0687	.28	1.1	2.8	482.	12.
%RSD	12.44	1.074	1.035	.2782	.5778	.6227

#1	.6282	26.33	104.4	993.0	83020.	1978.
#2	.4945	26.38	103.8	997.2	83270.	2003.
#3	.5340	26.85	105.9	998.2	83950.	1986.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111850-A-2-A@4 Acquired: 4/10/2016 18:20:26 Type: Unk

Method: BC04012016_P(v16) 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	9050.	1184.	100.5	67.69	11970.	4.298
Stddev	72.	9.	3.1	.30	45.	.464
%RSD	.7967	.7277	3.107	.4386	.3769	10.80

#1	8975.	1177.	104.0	67.52	11920.	3.871
#2	9057.	1180.	99.24	68.03	11990.	4.792
#3	9119.	1193.	98.14	67.52	12010.	4.232

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	.0427	1.294	121.9	755.8	1.035	.8572
Stddev	3.077	.964	1.4	5.4	.390	.2256
%RSD	7208.	74.51	1.122	.7158	37.71	26.32

#1	.7800	1.643	120.3	751.6	.8062	1.057
#2	-3.336	.2041	122.7	754.0	1.486	.9022
#3	2.684	2.036	122.7	761.9	.8135	.6125

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111850-A-2-A@4 Acquired: 4/10/2016 18:20:26 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	21.37	89.80	1616.	969.9
Stddev	.32	.96	6.	27.1
%RSD	1.519	1.064	.3916	2.792

#1	21.65	88.70	1610.	968.8
#2	21.01	90.34	1615.	943.4
#3	21.46	90.37	1623.	997.6

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	9760.0	66491.	10216.
Stddev	36.7	479.	11.
%RSD	.37569	.72013	.10850

#1	9768.8	66284.	10204.
#2	9791.4	67038.	10227.
#3	9719.7	66150.	10217.

Sample Name: 460-111663-D-8-A@4 Acquired: 4/10/2016 18:24:08 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21170.	36.11	.2047	432.7	2.857	21460.
Stddev	506.	.44	.9485	6.0	.093	357.
%RSD	2.390	1.223	463.4	1.376	3.251	1.665

#1	20600.	36.11	1.273	426.3	2.772	21080.
#2	21350.	35.67	-.5383	433.8	2.841	21500.
#3	21560.	36.55	-.1206	438.1	2.956	21790.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3679	18.29	51.02	114.3	35790.	1579.
Stddev	.0785	.36	.87	1.4	628.	61.
%RSD	21.33	1.984	1.698	1.222	1.755	3.873

#1	.4529	17.91	50.36	112.8	35140.	1525.
#2	.3526	18.64	50.70	114.4	35850.	1645.
#3	.2982	18.33	52.00	115.6	36390.	1566.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-8-A@4 Acquired: 4/10/2016 18:24:08 Type: Unk

Method: BC04012016_P(v16) 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	2424.	331.0	424.1	37.00	478.9	4.528
Stddev	52.	5.2	8.6	.28	8.1	1.223
%RSD	2.161	1.585	2.035	.7521	1.700	27.01

#1	2375.	325.7	415.8	37.05	469.6	4.595
#2	2419.	331.2	423.5	36.70	482.4	3.273
#3	2480.	336.1	433.0	37.25	484.7	5.716

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	1.447	-4.758	66.43	1180.	9.952	5.735
Stddev	1.652	2.727	1.05	13.	.286	.236
%RSD	114.2	57.31	1.585	1.078	2.875	4.110

#1	3.133	-6.989	65.39	1167.	10.17	5.767
#2	-1.1692	-5.566	66.40	1182.	10.05	5.485
#3	1.376	-1.718	67.49	1192.	9.629	5.953

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-8-A@4 Acquired: 4/10/2016 18:24:08 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.29	235.1	782.9	860.9
Stddev	.18	3.7	11.4	14.4
%RSD	1.326	1.564	1.454	1.677

#1	13.49	231.3	771.3	864.0
#2	13.21	235.5	783.3	845.1
#3	13.16	238.6	794.1	873.5

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	9582.9	64537.	9677.6
Stddev	47.9	172.	337.9
%RSD	.50017	.26632	3.4915

#1	9534.3	64339.	10067.
#2	9584.2	64640.	9462.1
#3	9630.2	64633.	9503.7

Sample Name: CCV Acquired: 4/10/2016 18:27:53 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121200.	2483.	1236.	9988.	987.1	125200.
Stddev	120.	4.	3.	8.	1.9	396.
%RSD	.0988	.1754	.2120	.0838	.1964	.3165

#1	121200.	2478.	1236.	9994.	985.2	125200.
#2	121100.	2485.	1239.	9991.	986.9	125700.
#3	121300.	2486.	1233.	9978.	989.1	124900.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1238.	2478.	5093.	12460.	100600.	48230.
Stddev	2.	2.	15.	30.	240.	76.
%RSD	.1230	.0942	.2871	.2382	.2389	.1576

#1	1240.	2477.	5082.	12430.	100600.	48160.
#2	1239.	2481.	5109.	12490.	100900.	48310.
#3	1237.	2477.	5086.	12460.	100400.	48230.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/10/2016 18:27:53 Type: QC
Method: BC04012016_P(v16) 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	126000.	5124.	124200.	2505.	7457.	986.5
Stddev	348.	12.	154.	2.	8.	1.9
%RSD	.2760	.2338	.1243	.0895	.1015	.1876

#1	125900.	5117.	124300.	2503.	7463.	985.0
#2	126400.	5138.	124100.	2506.	7459.	988.6
#3	125700.	5117.	124000.	2507.	7449.	985.9

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	2441.	2476.	2506.	2504.	984.3	2425.
Stddev	9.	3.	2.	8.	5.7	4.
%RSD	.3612	.1033	.0869	.3195	.5796	.1602

#1	2433.	2478.	2503.	2510.	977.7	2423.
#2	2439.	2477.	2507.	2506.	987.4	2430.
#3	2450.	2473.	2507.	2495.	987.8	2424.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/10/2016 18:27:53 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	986.6	4870.	10140.	9776.
Stddev	.5	10.	27.	112.
%RSD	.0552	.1968	.2663	1.144

#1	986.2	4864.	10110.	9710.
#2	987.2	4866.	10170.	9713.
#3	986.4	4881.	10130.	9905.

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	9063.6	61980.	9660.1
Stddev	2.8	122.	74.7
%RSD	.03132	.19738	.77376

#1	9060.3	62025.	9608.1
#2	9065.0	61841.	9626.4
#3	9065.4	62072.	9745.8

Sample Name: CCB Acquired: 4/10/2016 18:31:23 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2834	-.1479	.2020	-.1320	.0726	-19.44
Stddev	1.610	2.970	.3202	.2630	.1007	1.15
%RSD	568.0	2008.	158.5	199.3	138.7	5.894

#1	-.9409	1.776	-.0609	.1554	.1608	-20.56
#2	-.3161	-3.568	.5586	-.1907	-.0371	-19.50
#3	2.107	1.348	.1083	-.3607	.0940	-18.27

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0919	-.0308	-.3544	-1.057	-9.843	-35.22
Stddev	.0643	.0994	.3828	.631	5.155	36.15
%RSD	70.02	322.4	108.0	59.74	52.37	102.6

#1	-.1105	.0214	-.2883	-1.339	-6.988	4.867
#2	-.1448	.0315	-.0089	-.3334	-15.79	-65.34
#3	-.0203	-.1454	-.7659	-1.497	-6.747	-45.18

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/10/2016 18:31:23 Type: QC
Method: BC04012016_P(v16) 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	-9.711	-.4432	-29.69	.0116	.3953	.8205
Stddev	1.249	.1723	19.65	.4033	.6191	1.228
%RSD	12.86	38.86	66.18	3470.	156.6	149.6

#1	-8.278	-.2688	-8.014	-.4100	-.3021	2.127
#2	-10.56	-.4476	-34.73	.0511	.6078	.6441
#3	-10.29	-.6133	-46.33	.3938	.8802	-.3094

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	-1.940	-.4999	.1145	-.2038	-1.695	-.6159
Stddev	1.808	4.279	.4757	.0383	.433	.0939
%RSD	93.18	856.0	415.4	18.80	25.56	15.25

#1	-1.766	-3.039	.6601	-.1597	-1.349	-.7241
#2	-.2258	4.441	-.1034	-.2282	-1.555	-.5696
#3	-3.829	-2.902	-.2132	-.2236	-2.181	-.5542

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/10/2016 18:31:23 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.7530	-.1149	-.7784	5.906
Stddev	1.497	.1188	.1226	17.68
%RSD	198.9	103.4	15.75	299.3

#1	-1.049	.0215	-.7845	15.48
#2	.8704	-.1704	-.8978	-14.50
#3	-2.080	-.1957	-.6528	16.73

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	9605.0	64682.	9807.8
Stddev	80.6	1049.	179.8
%RSD	.83966	1.6219	1.8334

#1	9512.6	63533.	9600.5
#2	9640.9	64925.	9901.5
#3	9661.5	65588.	9921.4

Sample Name: CCVL Acquired: 4/10/2016 18:35:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	197.3	14.01	10.03	206.3	2.006	5098.
Stddev	16.3	.99	.41	.4	.139	20.
%RSD	8.259	7.096	4.080	.1830	6.933	.3901

#1	215.8	14.88	9.721	206.5	1.856	5119.
#2	191.0	12.93	9.884	206.5	2.032	5096.
#3	185.1	14.23	10.50	205.8	2.131	5080.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.004	52.16	9.859	24.18	159.4	4795.
Stddev	.049	.19	.272	.11	11.2	81.
%RSD	1.214	.3646	2.763	.4476	6.998	1.697

#1	4.048	51.94	9.573	24.06	146.7	4703.
#2	3.952	52.23	10.12	24.25	167.7	4824.
#3	4.011	52.30	9.888	24.24	163.8	4858.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/10/2016 18:35:17 Type: QC
Method: BC04012016_P(v16) 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	5025.	15.89	4911.	42.53	11.42	17.64
Stddev	36.	.21	9.	.68	1.90	.99
%RSD	.7204	1.333	.1779	1.595	16.60	5.631

#1	4986.	15.65	4920.	43.17	12.91	18.65
#2	5057.	16.07	4910.	41.82	12.07	17.61
#3	5032.	15.94	4902.	42.61	9.286	16.66

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	17.58	20.47	51.18	31.20	46.40	17.64
Stddev	1.93	1.30	.45	.19	.26	.20
%RSD	10.97	6.355	.8816	.6038	.5679	1.116

#1	15.43	19.20	50.68	30.99	46.16	17.47
#2	19.16	21.80	51.32	31.35	46.35	17.85
#3	18.16	20.40	51.55	31.27	46.68	17.60

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/10/2016 18:35:17 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	47.63	20.20	19.13	F 3.722
Stddev	.60	.35	.13	3.231
%RSD	1.270	1.714	.6591	86.81

#1	47.44	19.86	18.99	.5880
#2	47.14	20.18	19.18	7.043
#3	48.30	20.55	19.23	3.536

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9629.2	65329.	9890.0
Stddev	46.7	453.	104.7
%RSD	.48536	.69354	1.0586

#1	9627.9	64820.	9770.0
#2	9676.5	65687.	9937.4
#3	9583.1	65482.	9962.5

Sample Name: 460-111663-D-9-A@4 Acquired: 4/10/2016 18:39:08 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	83610.	218.5	-.1945	188.5	.8300	4480.
Stddev	1140.	2.7	.3332	.9	.1269	62.
%RSD	1.363	1.256	171.3	.4684	15.29	1.374

#1	82360.	217.2	-.5089	188.1	.8179	4412.
#2	83900.	216.6	-.2295	187.8	.7096	4497.
#3	84580.	221.6	.1548	189.5	.9626	4531.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8672	7.309	79.03	13.84	79560.	2841.
Stddev	.1471	.307	1.33	.67	745.	29.
%RSD	16.97	4.194	1.684	4.808	.9367	1.026

#1	-.7037	6.970	77.72	14.49	78700.	2812.
#2	-.9889	7.391	79.00	13.87	79880.	2870.
#3	-.9090	7.566	80.38	13.16	80080.	2840.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-9-A@4 Acquired: 4/10/2016 18:39:08 Type: Unk

Method: BC04012016_P(v16) 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	3265.	89.42	89.16	16.23	55.57	1.015
Stddev	78.	1.91	2.99	.12	1.46	1.152
%RSD	2.380	2.140	3.352	.7655	2.635	113.5

#1	3195.	87.72	85.72	16.24	54.03	2.062
#2	3253.	89.03	90.60	16.35	56.94	1.202
#3	3349.	91.49	91.16	16.10	55.75	-.2196

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	-.6650	.6643	156.8	67.67	-3.899	.6832
Stddev	5.507	2.614	3.6	1.48	.211	.2172
%RSD	828.2	393.6	2.265	2.181	5.419	31.79

#1	5.694	3.504	154.3	65.99	-3.934	.4405
#2	-3.882	.1310	155.2	68.28	-3.672	.7499
#3	-3.807	-1.642	160.9	68.74	-4.090	.8592

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-9-A@4 Acquired: 4/10/2016 18:39:08 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.16	37.61	414.2	1372.
Stddev	.72	.31	1.4	18.
%RSD	7.113	.8158	.3407	1.311

#1	10.08	37.34	412.7	1367.
#2	10.92	37.53	414.6	1392.
#3	9.483	37.94	415.4	1357.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9618.8	65024.	9989.8
Stddev	39.9	614.	346.4
%RSD	.41471	.94437	3.4678

#1	9646.2	65732.	10388.
#2	9573.0	64647.	9818.9
#3	9637.1	64692.	9762.0

Sample Name: 460-111663-D-10-A@4 Acquired: 4/10/2016 18:42:54 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	68600.	64.66	-.3553	132.8	.7150	3749.
Stddev	278.	1.21	.4963	.6	.1672	16.
%RSD	.4057	1.867	139.7	.4638	23.38	.4266

#1	68280.	66.03	-.3403	132.1	.6072	3763.
#2	68790.	63.76	-.8589	133.2	.9076	3732.
#3	68740.	64.18	.1333	133.1	.6302	3753.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7534	6.044	60.65	10.22	59300.	2485.
Stddev	.1044	.129	.47	.66	66.	25.
%RSD	13.85	2.138	.7719	6.436	.1109	1.016

#1	-.8460	6.131	60.29	9.462	59360.	2457.
#2	-.7738	6.104	60.47	10.54	59230.	2507.
#3	-.6403	5.895	61.18	10.66	59310.	2491.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-10-A@4 Acquired: 4/10/2016 18:42:54 Type: Unk
Method: BC04012016_P(v16) 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	2752.	61.35	63.92	13.56	53.62	1.070
Stddev	29.	1.00	9.65	.62	.43	1.366
%RSD	1.059	1.631	15.10	4.583	.7962	127.7

#1	2719.	60.21	62.65	14.22	53.43	.5927
#2	2774.	61.76	54.97	12.98	54.11	2.610
#3	2763.	62.09	74.14	13.47	53.33	.0062

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	-.9447	.2163	102.7	50.30	-2.525	-.3895
Stddev	1.310	.9951	2.5	.13	.357	.1995
%RSD	138.7	460.1	2.440	.2535	14.16	51.22

#1	.0742	-.9325	100.1	50.43	-2.250	-.2758
#2	-.4859	.7716	102.9	50.28	-2.396	-.6198
#3	-2.422	.8098	105.1	50.18	-2.929	-.2728

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-10-A@4 Acquired: 4/10/2016 18:42:54 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9.974	24.06	442.5	1369.
Stddev	.837	.09	2.0	25.
%RSD	8.395	.3839	.4588	1.849

#1	10.93	23.99	440.4	1343.
#2	9.372	24.16	442.8	1371.
#3	9.621	24.02	444.4	1394.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9717.3	65673.	10216.
Stddev	84.5	1161.	237.
%RSD	.86989	1.7681	2.3176

#1	9620.2	64332.	9952.9
#2	9757.8	66340.	10283.
#3	9774.0	66348.	10412.

Sample Name: 460-111663-D-11-A@4 Acquired: 4/10/2016 18:46:40 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22170.	476.0	-.0192	122.8	.5788	1110.
Stddev	380.	6.7	.2343	1.5	.1280	22.
%RSD	1.713	1.418	1223.	1.221	22.11	1.942

#1	21790.	469.2	-.2181	121.2	.4542	1091.
#2	22160.	476.1	-.0784	122.9	.7099	1104.
#3	22550.	482.7	.2391	124.2	.5725	1133.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2654	5.005	21.00	8.703	12490.	726.9
Stddev	.0486	.250	.77	.362	347.	11.9
%RSD	18.30	5.000	3.672	4.165	2.777	1.629

#1	-.3190	4.750	20.11	8.335	12170.	717.7
#2	-.2243	5.014	21.42	8.715	12450.	722.8
#3	-.2530	5.251	21.46	9.059	12860.	740.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-11-A@4 Acquired: 4/10/2016 18:46:40 Type: Unk
Method: BC04012016_P(v16) 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	782.0	46.73	-11.27	11.88	69.33	2.980
Stddev	23.4	1.56	1.68	.64	1.75	1.418
%RSD	2.999	3.347	14.94	5.426	2.524	47.58

#1	758.5	45.52	-13.09	11.24	67.34	4.357
#2	782.2	46.17	-9.766	12.53	70.62	1.525
#3	805.4	48.50	-10.95	11.88	70.03	3.057

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	-1.039	-.9823	46.38	28.77	1.544	.5014
Stddev	1.841	2.651	1.67	.67	.749	.2563
%RSD	177.2	269.9	3.595	2.340	48.51	51.11

#1	-1.425	1.575	44.84	28.15	1.174	.2320
#2	.9643	-.8042	46.15	28.68	2.406	.5301
#3	-2.656	-3.718	48.15	29.49	1.052	.7422

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-11-A@4 Acquired: 4/10/2016 18:46:40 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	8.479	16.18	207.0	1089.
Stddev	.889	.28	6.0	28.
%RSD	10.49	1.728	2.900	2.551

#1	7.799	15.90	201.8	1073.
#2	9.485	16.18	205.7	1073.
#3	8.153	16.46	213.5	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	9693.1	65872.	10183.
Stddev	15.4	124.	69.
%RSD	.15845	.18862	.67838

#1	9708.3	66014.	10251.
#2	9693.3	65781.	10113.
#3	9677.6	65821.	10184.

Sample Name: 460-111663-D-12-A@4 Acquired: 4/10/2016 18:50:29 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24550.	5.874	.1916	157.3	.8696	3378.
Stddev	338.	.727	.1145	2.9	.2379	69.
%RSD	1.375	12.37	59.77	1.860	27.36	2.029

#1	24230.	6.647	.0886	154.4	.5984	3316.
#2	24530.	5.206	.1714	157.1	1.043	3366.
#3	24900.	5.768	.3150	160.3	.9672	3452.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3002	4.429	25.14	18.03	16550.	868.4
Stddev	.0507	.155	.72	.27	314.	58.6
%RSD	16.90	3.490	2.874	1.486	1.898	6.745

#1	-.3518	4.293	25.76	17.78	16250.	801.3
#2	-.2504	4.397	24.35	18.01	16510.	909.7
#3	-.2984	4.597	25.30	18.31	16880.	894.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-12-A@4 Acquired: 4/10/2016 18:50:29 Type: Unk
Method: BC04012016_P(v16) 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	1129.	64.55	145.4	10.69	117.5	2.322
Stddev	24.	1.27	10.8	.53	3.6	3.690
%RSD	2.140	1.972	7.457	4.957	3.083	158.9

#1	1108.	63.26	133.2	10.13	113.5	-1.933
#2	1124.	64.58	154.1	10.74	118.4	4.263
#3	1155.	65.80	148.7	11.19	120.6	4.638

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	-3.476	-2.890	54.10	47.32	6.974	1.405
Stddev	2.463	1.415	.91	1.08	.149	.148
%RSD	708.7	48.96	1.675	2.280	2.138	10.51

#1	-3.072	-2.091	53.61	46.23	6.972	1.391
#2	.3053	-4.524	53.54	47.34	6.826	1.265
#3	1.723	-2.056	55.14	48.39	7.124	1.560

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-12-A@4 Acquired: 4/10/2016 18:50:29 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.73	32.72	334.3	1048.
Stddev	.44	.69	5.6	30.
%RSD	4.121	2.095	1.677	2.894

#1	10.81	32.07	328.9	1017.
#2	11.13	32.65	333.9	1049.
#3	10.26	33.44	340.1	1078.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9728.3	66112.	10128.
Stddev	42.9	357.	98.
%RSD	.44119	.53965	.96919

#1	9715.3	65801.	10020.
#2	9776.3	66502.	10212.
#3	9693.5	66032.	10151.

Sample Name: 460-111663-D-13-A@4 Acquired: 4/10/2016 18:54:16 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22210.	161.7	.0080	306.6	1.788	13800.
Stddev	56.	.5	.1971	.3	.035	136.
%RSD	.2535	.2806	2454.	.0954	1.951	.9870

#1	22150.	162.2	-.0515	306.5	1.749	13890.
#2	22250.	161.3	.2281	307.0	1.816	13860.
#3	22240.	161.6	-.1524	306.4	1.799	13640.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2331	8.385	27.18	43.29	76180.	1105.
Stddev	.0135	.180	.32	.83	631.	11.
%RSD	5.800	2.146	1.182	1.919	.8282	.9995

#1	-.2277	8.324	27.42	42.35	76620.	1115.
#2	-.2485	8.588	26.82	43.93	76460.	1107.
#3	-.2231	8.244	27.30	43.57	75460.	1094.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-13-A@4 Acquired: 4/10/2016 18:54:16 Type: Unk
Method: BC04012016_P(v16) 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	1038.	1147.	177.1	17.51	319.6	1.435
Stddev	6.	8.	7.0	.19	1.0	.968
%RSD	.5675	.6576	3.951	1.113	.3085	67.43

#1	1043.	1152.	169.2	17.53	319.8	2.552
#2	1040.	1151.	179.4	17.31	320.5	.8420
#3	1032.	1138.	182.6	17.69	318.5	.9114

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	1.032	2.417	53.42	198.9	3.595	.6994
Stddev	2.036	1.972	.49	1.3	.558	.3953
%RSD	197.3	81.59	.9132	.6739	15.52	56.52

#1	-.7746	4.540	53.62	199.0	4.064	.3198
#2	3.239	2.068	53.78	200.1	2.978	1.109
#3	.6328	.6426	52.87	197.5	3.742	.6697

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-13-A@4 Acquired: 4/10/2016 18:54:16 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	16.51	111.8	375.0	1107.
Stddev	.09	.7	1.7	14.
%RSD	.5205	.5815	.4490	1.230

#1	16.56	111.0	376.4	1091.
#2	16.55	112.1	375.5	1114.
#3	16.41	112.2	373.1	1116.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9614.2	65505.	9757.8
Stddev	107.8	1448.	67.8
%RSD	1.1212	2.2108	.69463

#1	9550.3	64293.	9682.4
#2	9553.6	65113.	9777.2
#3	9738.6	67109.	9813.7

Sample Name: 460-111663-D-14-A@4 Acquired: 4/10/2016 18:58:03 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35690.	116.2	-.2868	313.4	1.896	35740.
Stddev	285.	1.6	.4386	.6	.086	255.
%RSD	.7984	1.419	152.9	.1996	4.554	.7135

#1	35400.	116.1	-.2000	312.7	1.995	35550.
#2	35690.	118.0	-.7623	313.8	1.853	35650.
#3	35970.	114.7	.1019	313.7	1.839	36030.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.258	8.381	851.8	58.74	49000.	2081.
Stddev	.030	.090	6.2	.17	307.	15.
%RSD	2.356	1.072	.7228	.2900	.6257	.7293

#1	1.258	8.396	846.2	58.66	48730.	2064.
#2	1.229	8.285	850.8	58.94	48950.	2092.
#3	1.288	8.463	858.4	58.62	49330.	2088.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-14-A@4 Acquired: 4/10/2016 18:58:03 Type: Unk
Method: BC04012016_P(v16) 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	3986.	256.1	528.2	22.78	3563.	1.399
Stddev	30.	1.6	7.0	.30	31.	.666
%RSD	.7504	.6415	1.333	1.304	.8731	47.59

#1	3960.	254.5	520.7	22.48	3533.	2.166
#2	3979.	256.1	534.6	23.07	3562.	.9665
#3	4018.	257.8	529.5	22.80	3595.	1.065

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	.3600	-.7902	88.55	387.0	2.529	-.5860
Stddev	1.252	2.952	.61	5.2	.543	.2418
%RSD	347.6	373.6	.6835	1.350	21.49	41.26

#1	-.7738	1.899	87.85	381.9	2.187	-.8545
#2	1.703	-3.949	88.84	386.7	3.156	-.3854
#3	.1508	-.3198	88.96	392.3	2.245	-.5182

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-14-A@4 Acquired: 4/10/2016 18:58:03 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	129.5	189.5	558.1	1148.
Stddev	1.7	.7	3.7	32.
%RSD	1.288	.3870	.6675	2.795

#1	127.6	188.6	554.8	1116.
#2	130.0	189.9	557.5	1180.
#3	130.8	189.9	562.1	1149.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9617.1	65711.	10174.
Stddev	11.7	265.	105.
%RSD	.12114	.40396	1.0340

#1	9624.7	65585.	10239.
#2	9622.8	66016.	10231.
#3	9603.6	65532.	10053.

Sample Name: 460-111663-D-15-A@4 Acquired: 4/10/2016 19:01:46 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17690.	2.775	.0248	99.40	.6295	4418.
Stddev	131.	1.379	.5617	.46	.1801	59.
%RSD	.7385	49.71	2267.	.4669	28.61	1.341
#1	17540.	2.431	-.6122	98.97	.6882	4367.
#2	17720.	4.294	.2376	99.35	.4274	4483.
#3	17800.	1.600	.4490	99.89	.7728	4403.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1808	.5954	15.84	1.610	6861.	676.1
Stddev	.0760	.2321	.11	.325	70.	32.4
%RSD	42.05	38.99	.6669	20.18	1.020	4.788
#1	-.1145	.5554	15.91	1.729	6797.	661.8
#2	-.1640	.8449	15.88	1.243	6936.	653.4
#3	-.2638	.3858	15.72	1.859	6850.	713.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-15-A@4 Acquired: 4/10/2016 19:01:46 Type: Unk
Method: BC04012016_P(v16) 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	671.5	36.19	-10.87	3.500	50.97	-.3375
Stddev	5.1	.24	7.71	.546	1.15	.9849
%RSD	.7530	.6632	70.99	15.61	2.253	291.8
#1	665.8	35.98	-9.805	3.114	50.73	-1.472
#2	673.2	36.46	-19.05	3.261	52.22	.1601
#3	675.4	36.14	-3.737	4.125	49.96	.2993

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	-3.390	-2.999	28.48	11.02	.2795	-1.786
Stddev	1.114	.431	.27	.21	.1767	.137
%RSD	32.86	14.37	.9609	1.949	63.21	7.652
#1	-4.399	-3.047	28.72	10.96	.4543	-1.822
#2	-3.576	-3.404	28.54	11.26	.1011	-1.635
#3	-2.194	-2.546	28.18	10.84	.2830	-1.901

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-15-A@4 Acquired: 4/10/2016 19:01:46 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	8.257	36.24	249.4	1136.
Stddev	.641	.18	2.2	9.
%RSD	7.758	.4881	.8641	.7557

#1	8.157	36.07	247.0	1129.
#2	7.673	36.24	250.5	1134.
#3	8.942	36.42	250.8	1146.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9661.6	65576.	9969.3
Stddev	136.2	1494.	125.8
%RSD	1.4101	2.2789	1.2616

#1	9682.5	65926.	9975.4
#2	9516.1	63938.	9840.6
#3	9786.2	66864.	10092.

Sample Name: 460-111663-D-16-A@4 Acquired: 4/10/2016 19:05:36 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51440.	13.84	-.2246	112.9	.5723	12290.
Stddev	159.	1.70	.2501	.7	.0612	96.
%RSD	.3087	12.28	111.4	.6333	10.69	.7802

#1	51250.	12.17	-.5126	113.7	.5099	12180.
#2	51520.	13.78	-.0615	112.8	.5751	12340.
#3	51530.	15.57	-.0997	112.2	.6321	12350.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0792	3.022	46.17	9.531	33180.	1366.
Stddev	.0308	.164	.39	.237	140.	10.
%RSD	38.83	5.414	.8423	2.488	.4218	.7231

#1	-.0508	3.017	45.73	9.257	33030.	1369.
#2	-.0750	3.188	46.30	9.655	33230.	1374.
#3	-.1119	2.861	46.47	9.680	33290.	1355.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-16-A@4 Acquired: 4/10/2016 19:05:36 Type: Unk
Method: BC04012016_P(v16) 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	1826.	59.62	131.3	8.288	49.62	.2821
Stddev	34.	.91	5.2	.523	.23	1.316
%RSD	1.888	1.529	3.946	6.309	.4699	466.3
#1	1787.	58.58	127.0	8.316	49.38	-1.117
#2	1839.	60.03	129.8	8.796	49.84	.4691
#3	1852.	60.26	137.0	7.751	49.64	1.494

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	-1.494	-.7055	68.88	35.38	-3.015	-1.279
Stddev	2.384	1.696	1.03	.28	.270	.473
%RSD	159.5	240.4	1.496	.8007	8.944	36.96
#1	-4.037	-1.413	67.69	35.05	-3.307	-1.409
#2	.6896	-1.933	69.35	35.57	-2.776	-1.673
#3	-1.135	1.230	69.58	35.51	-2.960	-.7549

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111663-D-16-A@4 Acquired: 4/10/2016 19:05:36 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9.988	55.11	407.0	1259.
Stddev	.232	.07	.2	22.
%RSD	2.326	.1275	.0523	1.720

#1	9.977	55.03	406.8	1245.
#2	9.761	55.16	407.2	1247.
#3	10.23	55.14	407.0	1284.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9616.8	65237.	10078.
Stddev	35.3	303.	80.
%RSD	.36745	.46413	.79761

#1	9656.5	65521.	10152.
#2	9605.0	65273.	10089.
#3	9588.8	64919.	9992.2

Sample Name: 460-111680-A-1-E@4 Acquired: 4/10/2016 19:09:24 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	97320.	61.60	.4796	399.7	13.52	2740.
Stddev	1197.	1.31	.1855	3.9	.10	19.
%RSD	1.230	2.125	38.67	.9649	.7410	.7023

#1	96110.	63.09	.6848	396.0	13.41	2721.
#2	97340.	60.63	.4301	399.2	13.56	2739.
#3	98500.	61.08	.3239	403.7	13.60	2759.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4673	148.3	107.0	129.5	F 214500.	9209.
Stddev	.2868	1.3	1.5	1.3	1408.	160.
%RSD	61.37	.9070	1.406	.9853	.6563	1.732

#1	-.6460	147.1	105.6	128.2	212900.	9046.
#2	-.6195	148.1	106.8	129.3	215100.	9217.
#3	-.1365	149.8	108.6	130.8	215500.	9365.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-111680-A-1-E@4 Acquired: 4/10/2016 19:09:24 Type: Unk

Method: BC04012016_P(v16) 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	14750.	5939.	-5.702	167.8	124.1	8.323
Stddev	102.	36.	6.702	1.5	1.5	1.995
%RSD	.6895	.5994	117.5	.8695	1.205	23.97

#1	14640.	5898.	-12.75	166.4	122.4	10.36
#2	14840.	5955.	-4.942	167.7	125.1	6.375
#3	14780.	5964.	.5874	169.3	124.8	8.232

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	-1.899	11.52	246.1	204.2	-14.50	6.546
Stddev	1.597	1.15	1.8	2.5	.55	.372
%RSD	84.10	10.01	.7174	1.214	3.822	5.686

#1	-.0585	10.63	244.1	201.4	-14.01	6.361
#2	-2.920	12.82	246.7	206.2	-15.10	6.302
#3	-2.719	11.10	247.5	204.9	-14.38	6.974

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111680-A-1-E@4 Acquired: 4/10/2016 19:09:24 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9.167	8.340	735.2	1027.
Stddev	.296	.137	6.5	27.
%RSD	3.227	1.644	.8803	2.608

#1	8.987	8.277	728.7	995.9
#2	9.006	8.245	735.3	1042.
#3	9.508	8.497	741.7	1043.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	11273.	76651.	11631.
Stddev	123.	1289.	175.
%RSD	1.0905	1.6819	1.5013

#1	11151.	75529.	11452.
#2	11271.	76365.	11639.
#3	11397.	78060.	11801.

Sample Name: 460-111708-B-7-B@4 Acquired: 4/10/2016 19:13:05 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127900.	16.90	1.109	635.3	5.342	17670.
Stddev	1593.	2.30	.270	4.7	.048	339.
%RSD	1.246	13.62	24.32	.7349	.9039	1.920

#1	126400.	19.32	.8006	630.4	5.299	17330.
#2	127800.	14.74	1.223	635.7	5.394	17660.
#3	129600.	16.64	1.302	639.8	5.332	18010.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2202	83.99	161.4	125.1	138200.	31980.
Stddev	.2093	.51	2.7	1.7	2222.	398.
%RSD	95.04	.6020	1.691	1.342	1.607	1.245

#1	-.1957	83.41	158.6	123.6	136000.	31580.
#2	-.0243	84.31	161.7	124.7	138200.	31990.
#3	-.4407	84.25	164.0	126.9	140500.	32380.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111708-B-7-B@4 Acquired: 4/10/2016 19:13:05 Type: Unk

Method: BC04012016_P(v16) 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	37330.	2415.	1298.	141.4	271.9	5.794
Stddev	795.	38.	22.	.9	2.9	3.361
%RSD	2.130	1.574	1.701	.6462	1.052	58.01

#1	36550.	2378.	1273.	140.7	268.6	3.744
#2	37310.	2413.	1307.	142.5	273.9	9.672
#3	38140.	2454.	1313.	141.1	273.1	3.965

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	-7.964	5.278	189.5	471.9	-6.343	1.540
Stddev	3.714	4.137	3.0	4.7	.482	.272
%RSD	466.3	78.38	1.598	.9914	7.598	17.65

#1	3.482	9.950	186.5	468.2	-6.052	1.274
#2	-3.187	2.079	189.3	470.5	-6.077	1.527
#3	-2.684	3.806	192.6	477.2	-6.899	1.817

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111708-B-7-B@4 Acquired: 4/10/2016 19:13:05 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	28.93	50.68	6571.	1100.
Stddev	.54	.49	86.	10.
%RSD	1.857	.9750	1.303	.8789

#1	28.45	50.39	6487.	1107.
#2	28.83	50.39	6568.	1089.
#3	29.51	51.25	6659.	1105.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9507.8	64732.	9981.3
Stddev	29.5	489.	262.1
%RSD	.30982	.75570	2.6256

#1	9486.1	65160.	10280.
#2	9541.3	64836.	9874.6
#3	9496.0	64199.	9789.5

Sample Name: CCV Acquired: 4/10/2016 19:16:49 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121400.	2492.	1241.	10010.	989.1	124400.
Stddev	76.	6.	1.	17.	1.1	248.
%RSD	.0623	.2267	.0673	.1738	.1062	.1991

#1	121300.	2488.	1240.	10030.	988.1	124200.
#2	121400.	2498.	1242.	10020.	989.0	124500.
#3	121400.	2490.	1241.	9994.	990.2	124600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1239.	2482.	5077.	12530.	100200.	48390.
Stddev	2.	3.	14.	11.	173.	27.
%RSD	.1211	.1018	.2800	.0851	.1725	.0549

#1	1240.	2484.	5061.	12520.	100000.	48360.
#2	1237.	2482.	5082.	12530.	100200.	48420.
#3	1238.	2479.	5089.	12540.	100400.	48390.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/10/2016 19:16:49 Type: QC
Method: BC04012016_P(v16) 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	125200.	5109.	124400.	2508.	7463.	988.7
Stddev	313.	10.	197.	3.	2.	3.6
%RSD	.2499	.1879	.1580	.1163	.0270	.3592

#1	124900.	5099.	124600.	2511.	7461.	985.9
#2	125100.	5112.	124400.	2509.	7462.	992.7
#3	125500.	5117.	124200.	2505.	7465.	987.6

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	2447.	2473.	2506.	2497.	987.8	2436.
Stddev	6.	7.	2.	6.	2.1	5.
%RSD	.2344	.2773	.0633	.2290	.2103	.2145

#1	2453.	2465.	2504.	2494.	987.6	2439.
#2	2447.	2478.	2506.	2492.	989.9	2438.
#3	2441.	2476.	2508.	2503.	985.8	2430.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/10/2016 19:16:49 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	986.8	4899.	10150.	9875.
Stddev	2.3	10.	13.	76.
%RSD	.2301	.2073	.1321	.7687

#1	988.6	4908.	10130.	9920.
#2	987.5	4901.	10160.	9918.
#3	984.3	4888.	10160.	9788.

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	9062.1	62497.	9819.6
Stddev	31.6	239.	83.6
%RSD	.34919	.38252	.85167

#1	9091.2	62689.	9889.4
#2	9066.7	62572.	9842.5
#3	9028.4	62229.	9726.9

Sample Name: CCB Acquired: 4/10/2016 19:20:17 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.263	-1.178	.1237	.2620	.1376	-17.78
Stddev	3.024	.464	.1177	.2756	.0639	6.11
%RSD	92.67	39.40	95.12	105.2	46.42	34.36

#1	6.159	-1.555	.1577	.0894	.0663	-22.79
#2	.1258	-1.318	-.0072	.5798	.1895	-19.59
#3	3.505	-.6597	.2207	.1168	.1569	-10.97

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1064	.0084	-.3141	-.1941	1.944	-12.43
Stddev	.0805	.2566	.3547	.9984	5.261	22.74
%RSD	75.67	3059.	112.9	514.3	270.7	182.9

#1	-.1416	-.1297	-.0450	-.5648	-2.347	12.53
#2	-.0143	.3044	-.7160	-.9542	.3649	-17.87
#3	-.1632	-.1495	-.1813	.9366	7.813	-31.97

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/10/2016 19:20:17 Type: QC
Method: BC04012016_P(v16) 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	-10.01	-.3618	-38.53	.3623	1.023	.7127
Stddev	3.70	.1079	9.25	.5270	.929	1.376
%RSD	36.94	29.82	24.01	145.4	90.80	193.1

#1	-8.466	-.3325	-28.63	-.2460	.3937	.5962
#2	-14.23	-.4813	-46.96	.6523	.5854	-.6018
#3	-7.334	-.2716	-39.99	.6805	2.090	2.144

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	.0302	-.7666	-.0066	-.0764	-2.265	-.7963
Stddev	1.372	.1235	.0662	.1061	.510	.2285
%RSD	4540.	16.11	1004.	138.8	22.53	28.69

#1	-.5816	-.7396	-.0676	-.1989	-1.899	-.5982
#2	-.9298	-.9013	-.0160	-.0185	-2.048	-.7445
#3	1.602	-.6588	.0638	-.0119	-2.848	-1.046

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/10/2016 19:20:17 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6708	-.0961	-.4700	.2934
Stddev	.6838	.1184	.4426	15.45
%RSD	101.9	123.2	94.18	5266.

#1	.0903	-.0484	-.8422	2.387
#2	-1.233	-.2310	-.5872	14.59
#3	-.8692	-.0090	.0194	-16.10

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	9640.3	64948.	9974.9
Stddev	9.1	750.	266.5
%RSD	.09395	1.1541	2.6718

#1	9630.0	64082.	9668.3
#2	9647.1	65393.	10151.
#3	9643.8	65368.	10105.

Sample Name: CCVL Acquired: 4/10/2016 19:24:11 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	195.8	12.43	9.822	206.8	1.976	5127.
Stddev	5.1	1.37	.230	.6	.080	54.
%RSD	2.604	11.05	2.340	.2915	4.041	1.053

#1	201.3	11.15	9.769	206.6	1.923	5137.
#2	191.3	13.88	10.07	207.5	1.936	5175.
#3	194.8	12.26	9.624	206.4	2.068	5069.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.021	51.97	9.948	23.70	160.7	4754.
Stddev	.088	.17	.311	.80	4.3	60.
%RSD	2.199	.3354	3.126	3.379	2.664	1.260

#1	3.997	51.78	9.907	23.72	155.7	4707.
#2	4.119	52.12	9.659	22.89	163.2	4821.
#3	3.947	52.00	10.28	24.49	163.1	4732.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/10/2016 19:24:11 Type: QC
Method: BC04012016_P(v16) 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	5032.	15.90	4925.	42.84	11.34	19.56
Stddev	21.	.12	19.	.30	.56	1.05
%RSD	.4234	.7505	.3896	.6985	4.925	5.376

#1	5015.	15.79	4930.	42.97	11.38	18.53
#2	5026.	15.88	4942.	42.49	11.88	20.63
#3	5056.	16.02	4904.	43.05	10.76	19.51

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	16.70	18.34	51.04	31.26	46.22	17.64
Stddev	.95	2.67	.19	.09	.31	.35
%RSD	5.707	14.54	.3819	.2911	.6800	1.982

#1	15.64	21.29	51.05	31.27	45.92	17.23
#2	16.99	16.11	50.84	31.35	46.55	17.83
#3	17.48	17.61	51.23	31.16	46.19	17.85

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/10/2016 19:24:11 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	48.47	20.26	19.31	F -1.007
Stddev	.54	.11	.05	1.826
%RSD	1.105	.5225	.2703	181.4

#1	48.36	20.15	19.35	-2.869
#2	48.00	20.37	19.25	.7818
#3	49.05	20.26	19.33	-.9342

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9660.2	65371.	9952.7
Stddev	63.1	777.	217.0
%RSD	.65360	1.1888	2.1802

#1	9590.2	65096.	9938.5
#2	9677.6	64769.	9743.2
#3	9712.9	66248.	10176.

Sample Name: 460-111708-A-8-B@4 Acquired: 4/10/2016 19:28:02 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	201700.	30.37	-1.902	1375.	9.151	34490.
Stddev	2074.	3.12	.192	4.	.131	260.
%RSD	1.028	10.26	10.10	.3056	1.430	.7539

#1	199300.	32.94	-1.974	1370.	9.203	34200.
#2	202700.	26.91	-2.049	1377.	9.002	34550.
#3	203100.	31.26	-1.685	1378.	9.248	34710.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0345	137.6	239.1	142.0	F 246000.	67290.
Stddev	.0721	.6	1.2	.9	1822.	641.
%RSD	208.8	.4475	.4865	.6138	.7406	.9517

#1	.0139	137.0	237.7	141.2	244000.	66570.
#2	-.0250	138.2	239.5	142.9	246300.	67510.
#3	.1147	137.7	239.9	141.8	247600.	67800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-111708-A-8-B@4 Acquired: 4/10/2016 19:28:02 Type: Unk

Method: BC04012016_P(v16) 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	79260.	3320.	6864.	271.5	806.5	11.49
Stddev	720.	25.	60.	2.1	1.8	2.08
%RSD	.9088	.7570	.8778	.7846	.2271	18.08

#1	78510.	3293.	6795.	269.5	804.4	13.78
#2	79300.	3324.	6890.	273.8	807.8	9.730
#3	79950.	3343.	6907.	271.2	807.3	10.96

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	2.554	8.299	377.0	852.7	-11.61	1.474
Stddev	4.207	1.862	2.3	1.4	.68	.102
%RSD	164.7	22.44	.6167	.1623	5.878	6.933

#1	2.739	10.05	374.7	851.4	-12.10	1.580
#2	6.666	6.341	377.1	854.2	-11.90	1.376
#3	-1.743	8.507	379.3	852.6	-10.83	1.466

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111708-A-8-B@4 Acquired: 4/10/2016 19:28:02 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	55.21	94.56	13150.	1080.
Stddev	.23	.43	90.	25.
%RSD	.4146	.4544	.6876	2.355

#1	54.96	94.07	13130.	1097.
#2	55.39	94.73	13070.	1051.
#3	55.29	94.88	13240.	1092.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9382.9	64090.	9884.2
Stddev	40.4	138.	204.3
%RSD	.43006	.21486	2.0672

#1	9336.3	63949.	10106.
#2	9404.6	64224.	9702.7
#3	9407.7	64098.	9844.4

Sample Name: 460-111708-A-9-A@4 Acquired: 4/10/2016 19:31:50 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	107800.	19.87	-8698	394.2	4.520	7601.
Stddev	1866.	3.24	.7609	4.2	.094	163.
%RSD	1.730	16.32	87.47	1.076	2.079	2.139

#1	105900.	16.94	-.0015	389.7	4.444	7414.
#2	108100.	19.31	-1.420	394.8	4.489	7690.
#3	109600.	23.35	-1.188	398.1	4.625	7700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.354	70.59	165.9	194.6	F 262400.	13430.
Stddev	.269	.44	3.0	2.9	4608.	232.
%RSD	19.89	.6249	1.819	1.484	1.756	1.728

#1	-1.108	70.09	162.5	191.6	257600.	13290.
#2	-1.311	70.87	167.2	194.9	262700.	13310.
#3	-1.642	70.83	168.1	197.4	266800.	13700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-111708-A-9-A@4 Acquired: 4/10/2016 19:31:50 Type: Unk

Method: BC04012016_P(v16) 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	25230.	1988.	477.0	83.76	229.7	10.20
Stddev	542.	35.	12.5	1.00	5.4	1.44
%RSD	2.148	1.778	2.621	1.199	2.338	14.09

#1	24670.	1952.	464.1	82.65	224.4	11.24
#2	25260.	1991.	489.1	84.62	229.7	10.81
#3	25760.	2023.	477.9	84.00	235.1	8.562

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	-4.355	10.02	463.2	278.9	-16.09	9.637
Stddev	2.652	3.79	7.5	6.4	.39	.138
%RSD	60.90	37.77	1.616	2.293	2.418	1.432

#1	-7.417	13.22	455.3	273.0	-16.49	9.485
#2	-2.845	11.01	464.4	278.0	-16.08	9.671
#3	-2.803	5.843	470.1	285.7	-15.71	9.754

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111708-A-9-A@4 Acquired: 4/10/2016 19:31:50 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	20.93	52.69	3488.	1213.
Stddev	.36	.65	52.	31.
%RSD	1.742	1.229	1.504	2.590

#1	20.55	51.99	3433.	1179.
#2	20.96	52.81	3492.	1220.
#3	21.28	53.27	3538.	1241.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9881.4	67568.	10379.
Stddev	17.9	137.	116.
%RSD	.18150	.20270	1.1212

#1	9861.0	67617.	10485.
#2	9894.5	67674.	10397.
#3	9888.8	67414.	10254.

Sample Name: 460-111708-A-10-A@4 Acquired: 4/10/2016 19:35:33 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	152000.	13.76	-1.264	673.3	11.48	6436.
Stddev	821.	1.69	.216	1.3	.04	72.
%RSD	.5399	12.26	17.09	.1963	.3393	1.111

#1	151900.	11.81	-1.044	674.7	11.51	6433.
#2	152800.	14.73	-1.273	673.0	11.49	6509.
#3	151200.	14.73	-1.475	672.1	11.44	6366.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.217	97.01	151.4	201.7	F 216000.	30960.
Stddev	.215	.66	1.4	.3	1742.	143.
%RSD	17.63	.6812	.9436	.1411	.8063	.4622

#1	-1.067	97.75	151.7	201.5	216300.	30870.
#2	-1.463	96.81	152.7	201.6	217600.	31120.
#3	-1.122	96.47	149.9	202.0	214100.	30880.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-111708-A-10-A@4 Acquired: 4/10/2016 19:35:33 Type: Unk
Method: BC04012016_P(v16) 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	45680.	2687.	1136.	145.5	124.6	10.53
Stddev	447.	17.	6.	.5	.7	.48
%RSD	.9790	.6218	.5271	.3100	.5758	4.584

#1	45720.	2690.	1135.	145.9	124.6	10.45
#2	46110.	2702.	1142.	145.6	125.3	11.04
#3	45220.	2669.	1130.	145.0	123.8	10.09

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	-1.185	8.721	374.5	406.9	-13.11	5.824
Stddev	2.609	1.652	1.3	3.8	.91	.090
%RSD	220.1	18.94	.3602	.9337	6.950	1.544

#1	1.643	8.909	374.8	411.1	-14.03	5.866
#2	-3.498	6.983	375.6	406.1	-13.09	5.720
#3	-1.701	10.27	373.0	403.6	-12.21	5.885

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111708-A-10-A@4 Acquired: 4/10/2016 19:35:33 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	22.55	40.94	6569.	1118.
Stddev	.28	.07	16.	51.
%RSD	1.253	.1645	.2491	4.535

#1	22.33	40.90	6574.	1117.
#2	22.45	40.90	6583.	1068.
#3	22.87	41.02	6551.	1169.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9895.9	66758.	10330.
Stddev	126.9	1242.	400.
%RSD	1.2827	1.8597	3.8729

#1	9750.1	66418.	10341.
#2	9956.0	65722.	9924.2
#3	9981.7	68134.	10724.

Sample Name: 460-111708-B-11-A@4 Acquired: 4/10/2016 19:39:14 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	170200.	18.17	-2.034	1097.	9.314	3052.
Stddev	758.	.69	.521	6.	.098	14.
%RSD	.4451	3.790	25.62	.5340	1.046	.4481

#1	169400.	18.01	-2.219	1099.	9.203	3037.
#2	170800.	17.58	-2.437	1101.	9.386	3064.
#3	170500.	18.93	-1.445	1090.	9.353	3054.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6646	94.21	258.0	78.59	195300.	56300.
Stddev	.1488	1.15	1.0	.33	807.	341.
%RSD	22.40	1.223	.3776	.4197	.4130	.6056

#1	-.4978	94.30	257.6	78.90	194600.	55910.
#2	-.7840	95.31	259.1	78.63	196200.	56440.
#3	-.7119	93.01	257.3	78.25	195100.	56540.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111708-B-11-A@4 Acquired: 4/10/2016 19:39:14 Type: Unk
Method: BC04012016_P(v16) 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	69390.	4020.	1885.	226.3	87.66	11.29
Stddev	382.	15.	12.	1.8	1.73	2.09
%RSD	.5500	.3732	.6137	.8056	1.973	18.52

#1	69080.	4008.	1871.	228.1	89.47	8.896
#2	69820.	4037.	1893.	226.5	86.02	12.76
#3	69260.	4017.	1889.	224.5	87.49	12.22

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	.8419	6.069	295.3	582.5	-13.98	1.319
Stddev	3.991	2.372	1.0	2.7	.61	.536
%RSD	474.0	39.08	.3226	.4662	4.397	40.67

#1	.5775	4.406	294.2	582.2	-14.58	.6998
#2	-3.010	8.785	296.0	585.4	-14.01	1.637
#3	4.958	5.016	295.7	580.0	-13.35	1.621

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111708-B-11-A@4 Acquired: 4/10/2016 19:39:14 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	30.93	44.35	13250.	1053.
Stddev	.53	.14	45.	11.
%RSD	1.703	.3270	.3361	1.079

#1	30.48	44.18	13280.	1060.
#2	30.80	44.43	13260.	1060.
#3	31.51	44.44	13200.	1040.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9691.8	65761.	10311.
Stddev	7.5	284.	241.
%RSD	.07742	.43132	2.3352

#1	9695.5	66063.	10581.
#2	9683.2	65501.	10117.
#3	9696.8	65719.	10235.

Sample Name: 460-111708-A-12-A@4 Acquired: 4/10/2016 19:43:05 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	140800.	19.99	-1.637	786.7	7.160	6241.
Stddev	713.	2.48	.551	2.6	.122	47.
%RSD	.5067	12.42	33.65	.3279	1.706	.7583

#1	140000.	20.08	-1.677	786.5	7.296	6187.
#2	140900.	17.47	-1.067	789.4	7.060	6269.
#3	141400.	22.43	-2.167	784.3	7.125	6268.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1115	78.08	229.3	127.9	182600.	42910.
Stddev	.0733	.81	1.0	1.0	585.	282.
%RSD	65.74	1.032	.4275	.7561	.3203	.6566

#1	-.0583	77.41	228.3	128.8	182000.	42610.
#2	-.0811	78.98	230.3	128.0	182800.	42970.
#3	-.1952	77.85	229.2	126.9	183100.	43160.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111708-A-12-A@4 Acquired: 4/10/2016 19:43:05 Type: Unk
Method: BC04012016_P(v16) 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	50090.	2391.	886.2	174.1	300.1	12.13
Stddev	236.	6.	9.9	.5	.9	2.40
%RSD	.4713	.2610	1.117	.3079	.3036	19.80

#1	49830.	2384.	874.8	173.7	299.8	9.907
#2	50130.	2394.	891.9	174.0	301.1	14.68
#3	50300.	2395.	891.9	174.7	299.4	11.80

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	-2.236	4.419	237.8	648.5	-10.87	.8428
Stddev	2.931	4.204	1.1	.7	.81	.6637
%RSD	131.1	95.12	.4577	.1148	7.479	78.76

#1	-1.486	1.205	236.7	648.0	-10.28	.8118
#2	.2470	2.877	238.9	649.4	-11.80	.1951
#3	-5.470	9.177	237.9	648.2	-10.54	1.521

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111708-A-12-A@4 Acquired: 4/10/2016 19:43:05 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	36.06	46.84	9461.	1040.
Stddev	.49	.26	14.	9.
%RSD	1.371	.5651	.1459	.8577

#1	35.77	46.53	9464.	1048.
#2	36.63	47.01	9473.	1042.
#3	35.77	46.96	9446.	1031.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9626.8	65813.	10149.
Stddev	28.0	428.	202.
%RSD	.29069	.65093	1.9906

#1	9621.9	66074.	10357.
#2	9656.9	66047.	10136.
#3	9601.6	65319.	9953.8

Sample Name: 460-111377-E-2-B@2 Acquired: 4/10/2016 19:46:46 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.01	.5704	.2593	70.06	-.0444	87710.
Stddev	25.76	2.019	.8456	.15	.0097	107.
%RSD	122.6	354.1	326.1	.2158	21.89	.1221

#1	50.73	-1.593	.7847	70.23	-.0503	87590.
#2	5.311	.8993	.7093	69.96	-.0332	87760.
#3	6.972	2.405	-.7161	69.98	-.0497	87790.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0763	.8181	-.9300	-.0298	9.596	21970.
Stddev	.0285	.1407	.4649	.4936	14.86	34.
%RSD	37.39	17.20	49.99	1656.	154.8	.1568

#1	-.0493	.7282	-.9671	-.0181	20.71	21940.
#2	-.1061	.9802	-1.375	-.5292	-7.277	22010.
#3	-.0733	.7458	-.4476	.4578	15.35	21970.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-E-2-B@2 Acquired: 4/10/2016 19:46:46 Type: Unk

Method: BC04012016_P(v16) 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	20410.	170.3	124900.	4.179	-1.045	1.025
Stddev	42.	2.3	126.	.589	2.220	.976
%RSD	.2053	1.380	.1009	14.09	212.5	95.18

#1	20370.	167.8	125100.	4.851	-3.346	2.124
#2	20440.	170.7	124900.	3.756	-8.719	.2605
#3	20440.	172.4	124800.	3.929	1.084	.6907

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	-2.109	-2.410	.4209	4.549	281.2	1.971
Stddev	1.145	1.800	.2515	.058	2.8	.120
%RSD	54.31	74.69	59.76	1.282	.9871	6.094

#1	-3.431	-1.051	.7108	4.486	278.0	1.935
#2	-1.467	-4.452	.2908	4.560	282.2	2.105
#3	-1.429	-1.728	.2611	4.601	283.3	1.873

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111377-E-2-B@2 Acquired: 4/10/2016 19:46:46 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.9108	624.0	1.831	4646.
Stddev	.7109	1.2	.844	89.
%RSD	78.05	.1918	46.11	1.918

#1	-.1228	625.0	2.802	4548.
#2	-1.106	624.3	1.279	4667.
#3	-1.504	622.7	1.411	4722.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9343.6	64269.	9842.6
Stddev	26.7	56.	48.5
%RSD	.28603	.08644	.49319

#1	9373.8	64299.	9801.3
#2	9334.3	64303.	9896.0
#3	9322.8	64205.	9830.4

Sample Name: pds 460-110049-D-9-A Acquired: 4/10/2016 19:50:37 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2373.	1974.	54.82	2052.	51.79	22620.
Stddev	5.	2.	.07	4.	.23	137.
%RSD	.2060	.1005	.1225	.2034	.4423	.6048

#1	2368.	1971.	54.75	2054.	51.71	22540.
#2	2377.	1975.	54.88	2056.	51.62	22550.
#3	2373.	1975.	54.84	2048.	52.05	22780.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.31	518.9	402.2	256.9	2139.	18840.
Stddev	.15	1.4	2.6	2.4	25.	98.
%RSD	.2977	.2788	.6445	.9271	1.148	.5201

#1	51.36	519.4	401.9	259.0	2141.	18850.
#2	51.44	520.0	399.7	254.3	2113.	18740.
#3	51.14	517.3	404.9	257.5	2162.	18930.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-110049-D-9-A Acquired: 4/10/2016 19:50:37 Type: Unk
Method: BC04012016_P(v16) 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	20990.	614.4	29860.	807.4	517.7	485.2
Stddev	137.	1.9	96.	1.2	1.0	1.9
%RSD	.6541	.3090	.3213	.1468	.1957	.3947

#1	20930.	614.2	29870.	806.8	517.4	487.0
#2	20890.	612.7	29760.	808.8	518.8	483.2
#3	21150.	616.4	29950.	806.6	516.9	485.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1984.	2112.	521.7	532.7	523.0	490.4
Stddev	8.	12.	3.6	2.1	2.2	1.2
%RSD	.3922	.5513	.6986	.3925	.4212	.2441

#1	1993.	2119.	522.5	533.5	523.8	491.5
#2	1977.	2099.	517.7	534.2	520.5	489.2
#3	1983.	2118.	524.9	530.3	524.7	490.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-110049-D-9-A Acquired: 4/10/2016 19:50:37 Type: Unk
 Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	514.8	511.5	544.4	5118.
Stddev	3.0	.3	.3	124.
%RSD	.5764	.0577	.0595	2.420

#1	516.0	511.9	544.4	5133.
#2	511.4	511.4	544.7	5234.
#3	517.0	511.3	544.0	4987.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9520.1	64169.	9804.3
Stddev	37.5	576.	205.9
%RSD	.39409	.89726	2.1005

#1	9514.2	64407.	9860.4
#2	9485.9	64588.	9976.3
#3	9560.2	63513.	9576.1

Sample Name: 460-110049-D-9-B MS Acquired: 4/10/2016 19:54:08 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2832.	1966.	49.51	2012.	50.64	22320.
Stddev	17.	4.	.32	5.	.12	126.
%RSD	.6111	.2199	.6489	.2445	.2455	.5644

#1	2848.	1966.	49.20	2007.	50.50	22180.
#2	2813.	1971.	49.49	2014.	50.74	22360.
#3	2834.	1962.	49.84	2016.	50.68	22430.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.59	510.0	403.3	250.7	2129.	18310.
Stddev	.06	1.0	4.2	3.0	9.	47.
%RSD	.1283	.1901	1.052	1.216	.4430	.2592

#1	50.55	509.3	399.4	248.6	2119.	18320.
#2	50.67	509.6	402.7	249.3	2136.	18250.
#3	50.56	511.1	407.8	254.2	2133.	18350.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110049-D-9-B MS Acquired: 4/10/2016 19:54:08 Type: Unk
Method: BC04012016_P(v16) 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	20740.	607.6	29510.	806.9	509.7	490.1
Stddev	128.	2.6	20.	2.0	1.0	1.4
%RSD	.6157	.4200	.0681	.2495	.1968	.2869

#1	20600.	604.9	29500.	804.7	510.5	489.8
#2	20770.	607.9	29490.	807.3	508.6	491.7
#3	20850.	610.0	29530.	808.7	510.0	488.9

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	1935.	2073.	510.7	526.0	514.7	481.1
Stddev	11.	7.	3.7	1.2	1.5	.6
%RSD	.5722	.3406	.7286	.2262	.2901	.1340

#1	1948.	2066.	506.4	525.5	513.0	480.3
#2	1930.	2072.	512.8	525.2	515.3	481.5
#3	1928.	2080.	513.0	527.4	515.8	481.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110049-D-9-B MS Acquired: 4/10/2016 19:54:08 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	507.0	497.2	534.4	5674.
Stddev	2.3	.8	1.7	66.
%RSD	.4566	.1607	.3243	1.156

#1	504.4	497.7	532.9	5612.
#2	507.8	497.5	534.0	5743.
#3	508.9	496.3	536.3	5666.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9409.3	63666.	9674.8
Stddev	20.4	372.	102.3
%RSD	.21640	.58468	1.0569

#1	9413.7	64051.	9686.3
#2	9427.1	63641.	9770.8
#3	9387.1	63307.	9567.3

Sample Name: 460-110049-A-9-A DU Acquired: 4/10/2016 19:57:40 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	345.2	-1.199	.4899	5.279	.0869	2265.
Stddev	7.0	1.258	.2619	.218	.0987	18.
%RSD	2.027	105.0	53.46	4.128	113.5	.7841

#1	337.3	-.5401	.7630	5.466	.1297	2275.
#2	350.5	-.4062	.4657	5.040	.1569	2277.
#3	347.9	-2.649	.2409	5.333	-.0259	2245.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0606	5.373	194.4	7.729	1136.	622.7
Stddev	.0989	.094	1.0	.122	13.	25.8
%RSD	163.4	1.757	.4977	1.573	1.123	4.144

#1	-.0783	5.302	195.2	7.591	1128.	620.8
#2	-.1494	5.480	194.6	7.819	1129.	649.4
#3	.0461	5.338	193.3	7.777	1150.	597.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110049-A-9-A DU Acquired: 4/10/2016 19:57:40 Type: Unk
Method: BC04012016_P(v16) 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	832.2	83.79	9922.	298.6	.3372	2.219
Stddev	11.0	.98	7.	3.3	.9419	1.442
%RSD	1.327	1.164	.0659	1.092	279.3	64.97

#1	823.9	83.13	9928.	295.7	-.0048	1.666
#2	827.9	83.32	9922.	302.2	-.3858	1.136
#3	844.7	84.91	9915.	298.0	1.402	3.856

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	-2.051	-1.053	1.123	7.013	8.719	.0247
Stddev	3.408	.238	.203	.145	.509	.3192
%RSD	166.1	22.58	18.12	2.061	5.842	1295.

#1	-5.549	-.9796	1.147	7.115	9.171	.3823
#2	-1.864	-.8612	.9087	7.076	8.818	-.0768
#3	1.259	-1.319	1.314	6.848	8.167	-.2315

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110049-A-9-A DU Acquired: 4/10/2016 19:57:40 Type: Unk
 Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.135	11.39	15.38	4877.
Stddev	.051	.05	.31	110.
%RSD	4.501	.4457	2.011	2.263

#1	-1.180	11.40	15.34	4750.
#2	-1.080	11.33	15.09	4955.
#3	-1.144	11.43	15.71	4925.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9645.8	65205.	9754.8
Stddev	22.7	304.	257.9
%RSD	.23556	.46582	2.6438

#1	9671.2	64888.	9463.1
#2	9627.5	65233.	9848.9
#3	9638.6	65493.	9952.5

Sample Name: 460-110049-D-9-A Acquired: 4/10/2016 20:01:32 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	405.7	-7088	-3348	5.219	.0100	2268.
Stddev	2.3	1.111	.4546	.195	.1184	20.
%RSD	.5581	156.8	135.8	3.735	1179.	.9009

#1	405.3	.0406	-.6318	5.118	-.1235	2280.
#2	408.2	-1.985	.1885	5.096	.1022	2280.
#3	403.7	-.1817	-.5612	5.444	.0514	2245.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.1244	5.170	193.1	7.582	1132.	595.0
Stddev	.0547	.062	.4	.575	3.	48.5
%RSD	43.99	1.199	.2223	7.589	.2319	8.150

#1	-.1176	5.181	192.8	8.125	1129.	599.1
#2	-.1822	5.226	193.6	7.642	1132.	544.6
#3	-.0734	5.104	192.9	6.979	1134.	641.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110049-D-9-A Acquired: 4/10/2016 20:01:32 Type: Unk
Method: BC04012016_P(v16) 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	834.3	84.94	10010.	300.6	.4890	.2231
Stddev	1.9	.85	14.	2.2	1.332	1.324
%RSD	.2234	.9971	.1396	.7456	272.3	593.4

#1	833.2	84.58	10010.	298.1	2.020	.2836
#2	833.3	84.34	10020.	302.2	-.3976	-1.130
#3	836.4	85.91	9996.	301.7	-.1556	1.515

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	-2.470	-2.099	1.070	6.991	8.010	-.5761
Stddev	.594	.582	.225	.187	.466	.3503
%RSD	24.05	27.72	21.01	2.679	5.818	60.81

#1	-2.440	-2.771	.9652	7.201	7.675	-.3279
#2	-1.892	-1.786	1.328	6.931	8.542	-.4236
#3	-3.079	-1.741	.9162	6.841	7.812	-.9768

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110049-D-9-A Acquired: 4/10/2016 20:01:32 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.213	11.66	19.36	5089.
Stddev	.859	.07	.10	119.
%RSD	70.83	.6176	.5328	2.337

#1	-2.205	11.72	19.26	4955.
#2	-.7402	11.58	19.36	5131.
#3	-.6944	11.68	19.47	5181.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9631.3	65313.	9886.8
Stddev	30.8	639.	107.0
%RSD	.31999	.97852	1.0820

#1	9595.8	64797.	9767.9
#2	9646.1	65114.	9917.4
#3	9651.8	66028.	9975.1

Sample Name: CCV Acquired: 4/10/2016 20:05:25 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121500.	2506.	1246.	10030.	991.2	125300.
Stddev	650.	4.	4.	7.	3.2	881.
%RSD	.5346	.1542	.3563	.0654	.3180	.7034

#1	121100.	2502.	1250.	10030.	988.6	125200.
#2	122300.	2506.	1247.	10030.	994.7	126200.
#3	121100.	2510.	1241.	10020.	990.2	124500.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1241.	2489.	5122.	12590.	100900.	48360.
Stddev	3.	4.	21.	23.	506.	266.
%RSD	.2634	.1592	.4137	.1824	.5021	.5498

#1	1243.	2488.	5118.	12610.	100900.	48170.
#2	1244.	2494.	5145.	12570.	101300.	48660.
#3	1238.	2487.	5103.	12600.	100300.	48230.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/10/2016 20:05:25 Type: QC
Method: BC04012016_P(v16) 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	126300.	5147.	124700.	2517.	7499.	994.1
Stddev	655.	21.	560.	4.	18.	3.1
%RSD	.5189	.4157	.4488	.1617	.2344	.3110

#1	126200.	5147.	124700.	2519.	7512.	996.5
#2	127000.	5168.	125300.	2520.	7506.	990.6
#3	125600.	5125.	124200.	2513.	7479.	995.2

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	2451.	2480.	2519.	2511.	992.8	2449.
Stddev	7.	1.	5.	17.	4.9	1.
%RSD	.2864	.0517	.1841	.6618	.4910	.0500

#1	2443.	2479.	2518.	2518.	990.6	2448.
#2	2454.	2482.	2524.	2523.	989.4	2448.
#3	2456.	2479.	2515.	2492.	998.3	2450.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/10/2016 20:05:25 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	996.2	4883.	10210.	9873.
Stddev	3.6	11.	10.	171.
%RSD	.3629	.2244	.0957	1.727

#1	997.3	4881.	10210.	9919.
#2	999.1	4895.	10220.	9685.
#3	992.1	4874.	10200.	10020.

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	8956.2	61558.	9661.0
Stddev	58.5	638.	188.6
%RSD	.65329	1.0368	1.9517

#1	8909.2	61301.	9700.5
#2	8937.6	61088.	9455.9
#3	9021.7	62284.	9826.8

Sample Name: CCB Acquired: 4/10/2016 20:08:54 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.453	.0645	.4473	-.1494	.0019	-16.90
Stddev	8.432	1.034	.2128	.2646	.0997	2.12
%RSD	89.21	1604.	47.57	177.1	5344.	12.53

#1	7.625	.6011	.6712	.0751	-.0666	-16.98
#2	18.65	-1.128	.2477	-.0823	.1162	-18.98
#3	2.084	.7201	.4230	-.4412	-.0440	-14.74

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1389	-.2157	-.2997	-.2883	-.0497	7.770
Stddev	.0253	.2813	.5393	.1225	10.23	40.37
%RSD	18.19	130.4	179.9	42.49	20600.	519.5

#1	-.1298	-.1801	.3089	-.2566	8.393	54.21
#2	-.1675	-.5132	-.4900	-.1847	2.883	-12.01
#3	-.1195	.0461	-.7181	-.4235	-11.42	-18.89

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/10/2016 20:08:54 Type: QC
Method: BC04012016_P(v16) 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	-8.709	-.3578	-27.15	-.1119	.7399	.5584
Stddev	2.104	.1755	20.88	.4166	.2531	.5956
%RSD	24.16	49.05	76.89	372.2	34.20	106.7

#1	-7.604	-.2080	-3.695	.1897	.8896	.0344
#2	-7.387	-.3145	-43.70	.0618	.8823	.4347
#3	-11.14	-.5509	-34.07	-.5873	.4477	1.206

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	-.5769	.2054	.1466	-.2374	-1.603	-.6217
Stddev	.5863	1.017	.2832	.1130	.780	.4253
%RSD	101.6	495.3	193.2	47.59	48.68	68.42

#1	.1000	1.079	-.0126	-.3645	-.7027	-.3057
#2	-.9260	-.9113	.4737	-.1991	-2.021	-.4541
#3	-.9046	.4483	-.0211	-.1486	-2.085	-1.105

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/10/2016 20:08:54 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-6468	.0099	-.5319	-4.133
Stddev	.5267	.1648	.0495	13.07
%RSD	81.44	1666.	9.300	316.3

#1	-1.561	.1982	-.4846	-19.20
#2	-.5809	-.0604	-.5833	2.656
#3	-1.203	-1.081	-.5280	4.147

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	9587.7	64364.	9969.5
Stddev	90.1	889.	188.1
%RSD	.93956	1.3814	1.8867

#1	9483.7	64050.	10077.
#2	9637.9	63674.	9752.3
#3	9641.6	65367.	10079.

Sample Name: CCVL Acquired: 4/10/2016 20:12:49 Type: QC
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	203.5	11.64	9.730	205.8	1.801	5120.
Stddev	.2	1.51	.431	1.1	.119	14.
%RSD	.0937	12.94	4.434	.5117	6.626	.2750

#1	203.5	11.94	10.06	204.6	1.673	5130.
#2	203.3	10.01	9.241	206.2	1.821	5127.
#3	203.7	12.98	9.890	206.6	1.909	5104.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.953	51.94	9.737	23.44	161.3	4787.
Stddev	.089	.15	.407	.43	3.0	58.
%RSD	2.264	.2860	4.176	1.821	1.869	1.206

#1	3.869	51.96	9.918	22.99	157.9	4730.
#2	4.047	51.79	9.272	23.83	163.2	4785.
#3	3.942	52.08	10.02	23.52	163.0	4845.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/10/2016 20:12:49 Type: QC
Method: BC04012016_P(v16) 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	5084.	15.96	4902.	41.94	10.41	21.08
Stddev	58.	.19	28.	.49	.60	1.60
%RSD	1.146	1.183	.5657	1.166	5.738	7.597

#1	5017.	15.77	4875.	42.01	9.724	19.52
#2	5121.	15.96	4900.	41.43	10.81	21.01
#3	5114.	16.15	4931.	42.40	10.69	22.72

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	17.16	19.05	51.96	31.36	45.90	17.53
Stddev	1.83	.66	.75	.19	.04	.42
%RSD	10.64	3.458	1.435	.5901	.0828	2.395

#1	15.57	18.87	51.30	31.21	45.86	17.06
#2	16.76	18.50	51.82	31.30	45.90	17.86
#3	19.15	19.78	52.77	31.57	45.94	17.66

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/10/2016 20:12:49 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	48.35	20.31	19.60	F -15.66
Stddev	.51	.27	.39	5.94
%RSD	1.054	1.329	1.985	37.91

#1	47.99	20.09	19.17	-14.50
#2	48.12	20.24	19.70	-10.39
#3	48.93	20.61	19.93	-22.10

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9601.1	65083.	9929.0
Stddev	9.2	128.	174.8
%RSD	.09631	.19599	1.7602

#1	9610.6	65033.	10120.
#2	9592.1	64988.	9776.2
#3	9600.5	65228.	9891.2

Sample Name: sd460-110049-D-9-A@5 Acquired: 4/10/2016 20:16:42 Type: Unk

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	83.53	-0.8752	-0.3100	.9215	-0.0279	439.1
Stddev	4.60	.7008	.3841	.1666	.0670	8.5
%RSD	5.505	80.08	123.9	18.08	240.0	1.930

#1	88.03	-0.0682	-0.6151	.7507	-0.0446	445.9
#2	78.84	-1.226	.1214	.9303	-0.0850	429.6
#3	83.73	-1.331	-0.4363	1.084	.0459	441.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.1623	.8790	38.72	.3979	214.5	91.47
Stddev	.1114	.0776	.33	.0727	6.9	14.35
%RSD	68.65	8.833	.8466	18.28	3.240	15.69

#1	-0.2742	.8625	38.65	.3207	208.2	79.33
#2	-0.0514	.9635	38.43	.4077	213.3	107.3
#3	-0.1613	.8109	39.08	.4652	222.0	87.76

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd460-110049-D-9-A@5 Acquired: 4/10/2016 20:16:42 Type: Unk

Method: BC04012016_P(v16) 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	156.2	16.29	1986.	59.69	.4029	.0864
Stddev	3.8	.23	17.	.25	1.450	2.266
%RSD	2.438	1.434	.8742	.4247	359.9	2623.

#1	153.1	16.24	1969.	59.59	-1.027	2.695
#2	155.0	16.09	2004.	59.98	.3626	-1.385
#3	160.4	16.55	1985.	59.51	1.873	-1.051

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	-2.187	-2.860	.1795	1.265	-.7811	-1.797
Stddev	3.849	1.464	.1503	.193	.1396	.180
%RSD	176.0	51.18	83.74	15.23	17.87	10.01

#1	2.244	-1.768	.0405	1.189	-.7670	-1.977
#2	-4.097	-4.523	.1591	1.484	-.9272	-1.618
#3	-4.707	-2.289	.3390	1.122	-.6491	-1.796

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd460-110049-D-9-A@5 Acquired: 4/10/2016 20:16:42 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.005	2.050	1.966	1011.
Stddev	.471	.138	.325	21.
%RSD	46.91	6.741	16.54	2.031

#1	-1.005	2.179	1.695	988.9
#2	-1.476	2.068	1.876	1030.
#3	-.5332	1.904	2.327	1013.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9602.7	65095.	9877.1
Stddev	36.4	760.	125.2
%RSD	.37915	1.1677	1.2674

#1	9593.4	64719.	9779.0
#2	9642.9	65970.	9834.3
#3	9571.9	64596.	10018.

Sample Name: MB 460-361412/1-A Acquired: 4/10/2016 20:20:36 Type: QC

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.090	-2.388	.0474	-.3862	-.0354	-22.71
Stddev	7.882	.668	.1564	.1853	.0343	5.44
%RSD	192.7	27.98	329.8	47.98	96.90	23.94

#1	-4.292	-2.165	.1167	-.4319	-.0256	-20.68
#2	5.210	-3.140	-.1316	-.5445	-.0071	-28.87
#3	11.35	-1.860	.1572	-.1824	-.0735	-18.58

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1922	-.2435	-.4143	-1.580	-8.944	-63.20
Stddev	.0509	.1200	.4647	.198	4.920	2.79
%RSD	26.46	49.28	112.2	12.52	55.01	4.413

#1	-.2262	-.2009	-.6114	-1.591	-4.995	-66.28
#2	-.2166	-.3790	.1165	-1.377	-14.46	-62.49
#3	-.1337	-.1506	-.7479	-1.772	-7.380	-60.84

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-361412/1-A Acquired: 4/10/2016 20:20:36 Type: QC

Method: BC04012016_P(v16) 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	-14.11	-6145	-65.27	.1534	.4956	1.000
Stddev	4.53	.0199	5.27	.3650	1.076	.932
%RSD	32.11	3.240	8.074	237.9	217.2	93.23

#1	-18.66	-.5916	-70.96	.2569	1.732	.5793
#2	-14.06	-.6243	-60.56	.4556	-.0113	2.069
#3	-9.604	-.6275	-64.30	-.2522	-.2339	.3523

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	-3.460	-1.667	-.0758	.0077	.1794	-2.303
Stddev	1.321	1.183	.1679	.1139	.3816	.131
%RSD	38.19	709.3	221.6	1477.	212.6	5.680

#1	-4.517	1.038	-.0918	.0519	-.2380	-2.445
#2	-1.979	-1.326	-.2350	.0929	.2661	-2.275
#3	-3.885	-.2119	.0996	-.1216	.5103	-2.188

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-361412/1-A Acquired: 4/10/2016 20:20:36 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.808	-.2629	-2.346	44.96
Stddev	.833	.0701	.191	15.29
%RSD	46.04	26.65	8.132	34.00

#1	-1.8517	-.3428	-2.502	41.41
#2	-2.202	-.2337	-2.133	61.71
#3	-2.371	-.2122	-2.404	31.76

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	9599.1	64566.	9955.1
Stddev	40.6	313.	104.2
%RSD	.42263	.48461	1.0463

#1	9553.6	64800.	9897.9
#2	9631.6	64211.	9892.0
#3	9612.1	64689.	10075.

Sample Name: LCS 460-361412/2-A Acquired: 4/10/2016 20:24:31 Type: QC

Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1884.	1923.	47.91	1946.	49.25	19480.
Stddev	17.	6.	.27	2.	.21	37.
%RSD	.8835	.3101	.5607	.1063	.4251	.1923

#1	1903.	1930.	48.12	1945.	49.04	19480.
#2	1872.	1922.	48.01	1948.	49.46	19440.
#3	1877.	1918.	47.61	1945.	49.27	19510.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.06	492.0	208.9	240.1	1010.	17050.
Stddev	.11	.6	.7	.2	10.	15.
%RSD	.2237	.1125	.3307	.0730	.9476	.0863

#1	49.03	492.3	209.3	240.1	1006.	17050.
#2	48.96	492.3	208.1	240.3	1004.	17030.
#3	49.18	491.3	209.2	240.0	1022.	17060.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: LCS 460-361412/2-A Acquired: 4/10/2016 20:24:31 Type: QC

Method: BC04012016_P(v16) 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	19360.	512.9	19000.	506.2	497.3	478.5
Stddev	34.	.3	21.	1.4	.3	1.1
%RSD	.1730	.0497	.1082	.2777	.0516	.2277

#1	19380.	512.8	18990.	507.0	497.6	479.7
#2	19370.	512.8	19030.	504.6	497.0	478.3
#3	19320.	513.2	19000.	507.1	497.2	477.5

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	1911.	2022.	503.8	504.8	494.1	467.8
Stddev	3.	3.	3.3	1.8	1.1	.8
%RSD	.1782	.1522	.6549	.3549	.2193	.1752

#1	1914.	2024.	500.1	503.1	494.5	467.2
#2	1907.	2023.	505.0	506.7	492.8	468.8
#3	1911.	2018.	506.4	504.6	494.9	467.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: LCS 460-361412/2-A Acquired: 4/10/2016 20:24:31 Type: QC
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	491.9	470.2	503.8	72.37
Stddev	3.2	.4	1.1	19.65
%RSD	.6555	.0801	.2207	27.16

#1	488.5	469.9	505.0	50.31
#2	494.9	470.6	503.8	78.79
#3	492.3	470.0	502.7	88.01

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	9514.4	64546.	9974.9
Stddev	27.8	150.	35.3
%RSD	.29220	.23244	.35434

#1	9542.2	64391.	9996.2
#2	9486.6	64690.	9994.3
#3	9514.3	64557.	9934.1

Sample Name: 460-111625-I-1-B Acquired: 4/10/2016 20:28:03 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.66	-.8705	.3160	.9138	-.0323	24.86
Stddev	6.86	3.023	.4507	.0923	.1168	1.93
%RSD	54.13	347.2	142.6	10.10	361.4	7.758

#1	6.206	1.655	.6180	1.018	.0206	24.58
#2	19.86	-4.220	.5319	.8807	-.1662	23.08
#3	11.93	-.0463	-.2020	.8426	.0487	26.91

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1132	-.1417	-.2637	-1.467	-4.897	-34.27
Stddev	.1058	.1977	.5616	.499	9.610	10.11
%RSD	93.50	139.6	212.9	33.99	196.3	29.51

#1	-.1992	.0300	-.0133	-2.041	-7.769	-23.05
#2	-.1452	-.3578	-.9070	-1.218	5.822	-37.06
#3	.0050	-.0972	.1291	-1.143	-12.74	-42.69

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111625-I-1-B Acquired: 4/10/2016 20:28:03 Type: Unk
Method: BC04012016_P(v16) 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	-9.246	-.3761	13.28	-.0608	1.320	.7945
Stddev	4.917	.1415	13.40	.2577	.615	.6979
%RSD	53.18	37.63	100.9	424.0	46.57	87.84

#1	-14.70	-.3165	17.55	.0530	1.597	1.169
#2	-5.145	-.2741	24.02	.1204	1.749	-.0107
#3	-7.896	-.5377	-1.734	-.3558	.6158	1.226

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	-.5417	-1.626	-.2762	2.102	3.959	-1.623
Stddev	1.951	1.344	.3758	.063	.190	.198
%RSD	360.1	82.68	136.0	3.000	4.794	12.22

#1	-2.445	-.1175	-.0683	2.174	3.858	-1.789
#2	-.6330	-2.062	-.0504	2.074	4.177	-1.676
#3	1.453	-2.697	-.7100	2.057	3.840	-1.403

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111625-I-1-B Acquired: 4/10/2016 20:28:03 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0819	-.0677	-2.289	78.64
Stddev	.3052	.0626	.192	5.92
%RSD	372.6	92.39	8.396	7.528

#1	-.0406	-.0798	-2.490	73.17
#2	-.1430	-.0000	-2.270	77.83
#3	.4294	-.1234	-2.107	84.92

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9602.5	64825.	9970.3
Stddev	13.5	601.	145.3
%RSD	.14109	.92696	1.4575

#1	9618.0	65514.	10049.
#2	9595.8	64554.	10059.
#3	9593.5	64407.	9802.6

Sample Name: 460-111548-E-2-A Acquired: 4/10/2016 20:31:58 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.23	-.3931	.0512	-.3885	-.1585	-19.86
Stddev	9.63	1.628	.5299	.1789	.0854	3.95
%RSD	94.14	414.1	1036.	46.03	53.89	19.91
#1	1.044	-2.118	.4457	-.2302	-.0601	-20.09
#2	9.401	1.116	.2589	-.3528	-.2017	-15.80
#3	20.26	-.1769	-.5512	-.5826	-.2137	-23.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1850	-.3397	-.4711	-1.130	.6077	-46.09
Stddev	.0142	.0826	.3288	.348	8.447	4.97
%RSD	7.678	24.32	69.80	30.79	1390.	10.78
#1	-.1975	-.3423	-.0921	-.7608	-5.789	-41.92
#2	-.1696	-.2557	-.6800	-1.177	10.18	-44.75
#3	-.1880	-.4209	-.6412	-1.452	-2.570	-51.59
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111548-E-2-A Acquired: 4/10/2016 20:31:58 Type: Unk
Method: BC04012016_P(v16) 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	-10.88	-.5365	-60.79	-.3299	.2579	.2174
Stddev	1.66	.0179	14.09	.4988	.9015	.4336
%RSD	15.23	3.342	23.18	151.2	349.6	199.5
#1	-9.976	-.5186	-48.40	.2365	1.268	-.0045
#2	-12.79	-.5544	-76.12	-.7035	-.4642	.7170
#3	-9.867	-.5365	-57.84	-.5227	-.0304	-.0603

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	-4.340	-2.171	-.1045	.6958	.7586	-2.206
Stddev	3.402	1.833	.2956	.0611	.1084	.078
%RSD	78.39	84.43	282.8	8.786	14.29	3.517
#1	-2.046	-.2485	-.0232	.7412	.8800	-2.294
#2	-8.249	-2.366	.1419	.6263	.6715	-2.176
#3	-2.725	-3.900	-.4322	.7199	.7243	-2.148

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111548-E-2-A Acquired: 4/10/2016 20:31:58 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	- .8113	- .2276	-2.567	27.16
Stddev	.1966	.0441	.161	8.11
%RSD	24.24	19.36	6.251	29.87

#1	- .9234	- .2722	-2.640	35.57
#2	- .5843	- .2266	-2.383	26.52
#3	- .9263	- .1841	-2.678	19.38

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	9619.9	65008.	9924.3
Stddev	41.5	482.	91.3
%RSD	.43166	.74070	.91998

#1	9595.3	65049.	9884.3
#2	9667.8	65467.	9859.8
#3	9596.5	64507.	10029.

Sample Name: 460-111548-E-6-A Acquired: 4/10/2016 20:35:51 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31.25	-1.190	-.0457	178.9	.0079	108300.
Stddev	17.27	1.384	.5020	.9	.0753	328.
%RSD	55.27	116.2	1098.	.4990	959.6	.3027
#1	12.30	-.1065	-.5560	179.5	-.0377	108700.
#2	35.33	-2.749	-.0286	179.3	.0948	108000.
#3	46.12	-.7159	.4475	177.9	-.0335	108300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1909	.1940	-.9072	-.8598	903.0	1050.
Stddev	.1126	.0692	.6074	.1013	24.0	47.
%RSD	59.00	35.68	66.95	11.78	2.657	4.461
#1	-.2718	.2530	-.4986	-.8993	881.3	1020.
#2	-.0623	.2111	-.6179	-.9354	898.9	1026.
#3	-.2386	.1178	-1.605	-.7448	928.8	1104.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111548-E-6-A Acquired: 4/10/2016 20:35:51 Type: Unk
Method: BC04012016_P(v16) 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	21270.	521.0	36790.	.7045	-1.036	.7985
Stddev	44.	1.4	34.	.3256	1.049	.5031
%RSD	.2068	.2638	.0916	46.22	101.2	63.00

#1	21250.	522.5	36760.	.7590	.0256	1.379
#2	21240.	519.8	36780.	.9993	-2.072	.4974
#3	21320.	520.6	36830.	.3550	-1.062	.5189

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	2.896	-2.833	1.381	1.145	46.93	-2.030
Stddev	.888	2.640	.138	.075	.31	.117
%RSD	30.66	93.20	9.965	6.527	.6526	5.769

#1	3.921	-.0452	1.372	1.137	46.78	-1.902
#2	2.414	-3.158	1.248	1.074	47.29	-2.056
#3	2.354	-5.296	1.523	1.223	46.74	-2.132

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111548-E-6-A Acquired: 4/10/2016 20:35:51 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-2.031	1056.	.3184	7326.
Stddev	.623	1.	.2883	55.
%RSD	30.69	.0643	90.54	.7499

#1	-2.729	1056.	.1035	7266.
#2	-1.533	1057.	.6460	7373.
#3	-1.829	1056.	.2056	7339.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9314.0	63092.	9922.0
Stddev	31.8	256.	60.0
%RSD	.34177	.40585	.60436

#1	9286.1	62799.	9915.1
#2	9307.3	63273.	9985.1
#3	9348.7	63204.	9865.8

Sample Name: 460-111548-A-7-A Acquired: 4/10/2016 20:39:40 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.95	4.577	2.089	90.63	.0381	81970.
Stddev	4.88	1.820	.834	.16	.1588	373.
%RSD	20.36	39.76	39.92	.1782	416.8	.4544
#1	20.90	3.079	1.170	90.75	.2207	82400.
#2	29.58	4.049	2.797	90.45	-.0386	81720.
#3	21.39	6.603	2.300	90.70	-.0679	81800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0319	18.54	.9577	.5695	9098.	3258.
Stddev	.1498	.23	.5571	.3493	129.	46.
%RSD	469.0	1.255	58.17	61.32	1.415	1.406
#1	-.1452	18.80	1.601	.2165	8949.	3227.
#2	-.0885	18.34	.6478	.5773	9173.	3237.
#3	.1379	18.50	.6244	.9149	9172.	3311.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111548-A-7-A Acquired: 4/10/2016 20:39:40 Type: Unk
Method: BC04012016_P(v16) 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	30640.	7555.	37100.	15.25	-2.380	-.2241
Stddev	135.	26.	30.	.28	1.836	1.830
%RSD	.4391	.3405	.0817	1.816	77.15	816.6

#1	30800.	7585.	37110.	15.51	-2.830	1.860
#2	30560.	7542.	37120.	14.95	-.3606	-1.565
#3	30570.	7539.	37060.	15.28	-3.949	-.9679

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	3.835	4.831	14.74	6.591	44.73	-1.199
Stddev	1.859	2.501	.24	.181	.78	.064
%RSD	48.46	51.76	1.623	2.749	1.747	5.326

#1	5.653	3.280	14.54	6.643	43.83	-1.142
#2	3.914	3.497	14.68	6.390	45.26	-1.268
#3	1.939	7.716	15.00	6.741	45.09	-1.186

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111548-A-7-A Acquired: 4/10/2016 20:39:40 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8571	463.2	.1842	10740.
Stddev	.2860	.2	.0636	130.
%RSD	33.37	.0343	34.53	1.205

#1	-.6933	463.0	.1131	10650.
#2	-1.187	463.3	.2040	10680.
#3	-.6906	463.2	.2356	10890.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9375.8	63633.	9999.3
Stddev	20.1	322.	36.2
%RSD	.21452	.50620	.36199

#1	9353.3	63262.	10036.
#2	9392.1	63842.	9997.7
#3	9382.0	63795.	9963.9

Sample Name: 460-111548-A-9-A Acquired: 4/10/2016 20:43:30 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39.18	-2.989	.2855	181.3	-.0744	108900.
Stddev	4.28	1.953	.4847	.2	.1812	574.
%RSD	10.92	65.33	169.7	.1159	243.5	.5268
#1	37.67	-2.147	.7129	181.5	.1246	109600.
#2	35.86	-5.222	-.2411	181.1	-.1179	108700.
#3	44.01	-1.599	.3849	181.5	-.2300	108500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0636	-.0450	-.5237	-.4109	1326.	1124.
Stddev	.1186	.1493	.1096	.1595	9.	36.
%RSD	186.5	331.3	20.93	38.82	.6430	3.168
#1	-.1373	-.0171	-.5472	-.3905	1320.	1113.
#2	.0732	.0883	-.6196	-.5797	1336.	1164.
#3	-.1268	-.2063	-.4042	-.2626	1322.	1095.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111548-A-9-A Acquired: 4/10/2016 20:43:30 Type: Unk
Method: BC04012016_P(v16) 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	21550.	523.7	37440.	1.076	-.6889	.0800
Stddev	110.	1.7	70.	.150	.5255	1.296
%RSD	.5097	.3219	.1871	13.93	76.27	1620.

#1	21670.	525.3	37360.	1.173	-.2154	1.563
#2	21520.	524.0	37470.	1.153	-.5972	-.4884
#3	21450.	521.9	37490.	.9037	-1.254	-.8343

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	.1869	-2.820	1.838	1.566	47.81	-2.067
Stddev	1.640	2.156	.221	.101	1.12	.077
%RSD	877.4	76.46	12.01	6.424	2.350	3.746

#1	1.588	-5.212	2.093	1.569	46.61	-2.054
#2	.5903	-1.026	1.703	1.666	48.84	-1.996
#3	-1.617	-2.222	1.720	1.464	47.97	-2.149

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111548-A-9-A Acquired: 4/10/2016 20:43:30 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.612	1074.	.5239	7482.
Stddev	.632	2.	.1425	62.
%RSD	39.24	.1523	27.20	.8256

#1	-1.255	1072.	.5317	7413.
#2	-1.238	1074.	.6624	7499.
#3	-2.342	1075.	.3777	7533.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9393.8	63739.	10055.
Stddev	4.2	345.	69.
%RSD	.04419	.54170	.68312

#1	9394.3	63342.	10088.
#2	9389.4	63911.	9976.2
#3	9397.7	63965.	10102.

Sample Name: 460-111474-A-7-A Acquired: 4/10/2016 20:47:19 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.713	-1.650	.1063	-.2242	-.1295	-23.50
Stddev	7.930	.375	.1223	.0658	.1240	4.93
%RSD	213.6	22.74	115.1	29.35	95.76	20.96
#1	-5.406	-1.229	-.0156	-.2975	-.1452	-18.49
#2	8.996	-1.951	.2290	-.1702	-.2450	-23.69
#3	7.548	-1.770	.1054	-.2049	.0016	-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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1257	-.3279	-.5705	-.6609	-1.181	-30.61
Stddev	.0886	.0604	.2417	.0447	9.476	10.24
%RSD	70.49	18.41	42.36	6.764	802.5	33.45
#1	-.1375	-.3958	-.3044	-.6880	-5.015	-38.42
#2	-.0318	-.2801	-.6310	-.6093	-8.139	-34.39
#3	-.2078	-.3079	-.7763	-.6853	9.612	-19.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111474-A-7-A Acquired: 4/10/2016 20:47:19 Type: Unk
Method: BC04012016_P(v16) 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	-10.94	-.4816	-51.42	.2184	-.0736	.2805
Stddev	4.07	.0575	7.73	.4944	.2918	2.177
%RSD	37.22	11.94	15.04	226.4	396.7	776.4

#1	-6.821	-.4446	-55.60	.5793	-.2619	2.794
#2	-14.97	-.4523	-56.17	.4210	-.2213	-.9212
#3	-11.04	-.5478	-42.50	-.3451	.2626	-1.031

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	-3.558	-1.836	-.1031	1.795	.1195	-2.327
Stddev	2.485	1.223	.4347	.087	.2392	.275
%RSD	69.84	66.60	421.5	4.863	200.2	11.82

#1	-3.200	-.9956	-.0056	1.891	.1759	-2.057
#2	-6.202	-1.274	-.5783	1.775	.3254	-2.318
#3	-1.271	-3.239	.2745	1.720	-.1429	-2.607

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111474-A-7-A Acquired: 4/10/2016 20:47:19 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.267	-.1248	-2.399	29.06
Stddev	.102	.1210	.120	8.79
%RSD	8.046	96.98	5.019	30.24

#1	-1.330	-.0563	-2.448	22.93
#2	-1.149	-.2645	-2.262	25.12
#3	-1.321	-.0536	-2.487	39.13

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	9580.3	64335.	9922.7
Stddev	30.8	469.	53.6
%RSD	.32154	.72951	.54010

#1	9572.3	64603.	9978.1
#2	9614.3	63793.	9871.2
#3	9554.3	64608.	9918.6

Sample Name: 460-111639-E-3-B Acquired: 4/10/2016 20:51:14 Type: Unk
Method: BC04012016_P(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.19	14.93	.2396	138.2	-.0149	20750.
Stddev	3.71	1.11	.4140	.7	.1339	105.
%RSD	7.862	7.406	172.8	.4779	901.3	.5074

#1	46.22	16.19	.3325	139.0	-.0925	20870.
#2	44.07	14.11	-.2130	137.9	.1398	20730.
#3	51.29	14.49	.5991	137.8	-.0919	20660.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0359	-.1807	-.4998	.5550	713.3	16550.
Stddev	.0150	.1408	.6168	.3819	13.5	64.
%RSD	41.75	77.90	123.4	68.80	1.891	.3862

#1	-.0468	-.1239	-.8849	.1713	726.8	16480.
#2	-.0188	-.0772	.2116	.5588	699.8	16610.
#3	-.0422	-.3410	-.8261	.9350	713.3	16570.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111639-E-3-B Acquired: 4/10/2016 20:51:14 Type: Unk
Method: BC04012016_P(v16) 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	19850.	34.11	F 364100.	1.886	3.091	-.4095
Stddev	81.	.69	5038.	.614	.767	.5359
%RSD	.4080	2.018	1.384	32.55	24.82	130.9

#1	19940.	34.04	369600.	2.441	3.738	.1251
#2	19840.	33.46	363000.	1.992	2.244	-.4069
#3	19780.	34.83	359700.	1.226	3.292	-.9467

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6011	-2.606	.2310	8.952	77.38	-2.139
Stddev	.6559	.988	.5647	.060	.98	.180
%RSD	109.1	37.89	244.5	.6660	1.271	8.435

#1	-1.187	-3.449	-.2546	8.978	77.64	-2.267
#2	.1075	-1.520	.0968	8.884	78.21	-1.933
#3	-.7235	-2.850	.8507	8.995	76.29	-2.218

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111639-E-3-B Acquired: 4/10/2016 20:51:14 Type: Unk
Method: BC04012016_P(v16) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3160	194.6	.7303	164.1
Stddev	.5860	.3	.1701	11.4
%RSD	185.4	.1507	23.29	6.928

#1	.0660	194.9	.7277	175.3
#2	.9855	194.4	.5614	164.5
#3	-.1036	194.4	.9016	152.6

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	9213.4	62542.	10079.
Stddev	20.2	295.	72.
%RSD	.21953	.47161	.71368

#1	9199.6	62241.	10003.
#2	9203.9	62554.	10146.
#3	9236.6	62830.	10090.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Batch Number: 360758 Batch Start Date: 04/05/16 07:40 Batch Analyst: Chen, MandiBatch Method: 3050B Batch End Date: 04/05/16 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00055	ME_LCSS_91 00001	
MB 460-360758/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-360758/2		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	50 mL		1.02 g	
460-111461-K-1 DU		3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	50 mL			
460-111461-K-1 MS		3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	50 mL	2 mL		
460-111539-A-3	C5	3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	50 mL			
460-111539-A-4	B4	3050B, 6010C	T	CALC NOT SET TO RUN	1.08 g	50 mL			

Batch Notes	
Balance ID	#35
Hydrogen Peroxide ID	0000135237
Logbook ID for diluted Nitric	MPR278
Lot # of Nitric Acid	0000129810
Hot Block ID	#3
Oven, Bath or Block Temperature 1	95c Degrees C
Pipette ID	#42
Thermometer ID	ICP-4 (CF -1)
Digestion Tube/Cup ID	J227204-6407 (50 ml Dg tube)
Uncorrected Temperature	96c Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Batch Number: 361487 Batch Start Date: 04/08/16 08:41 Batch Analyst: Chen, MandiBatch Method: 3050B Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00055	ME_LCSS_91 00001	
MB 460-361487/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-361487/2		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	50 mL		1.02 g	
460-110314-A-10 DU		3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	50 mL			
460-110314-A-10 MS		3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	50 mL	2 mL		
460-111539-A-1	E2	3050B, 6010C	T	CALC NOT SET TO RUN	1.07 g	50 mL			
460-111539-A-2	E4	3050B, 6010C	T	CALC NOT SET TO RUN	1.08 g	50 mL			

Batch Notes	
Balance ID	#35
Hydrogen Peroxide ID	0000135237
Logbook ID for diluted Nitric	MPR278
Lot # of Nitric Acid	0000129810
Hot Block ID	#3
Oven, Bath or Block Temperature 1	95c Degrees C
Pipette ID	#42
Thermometer ID	ICP-4 (CF -1)
Digestion Tube/Cup ID	J227204-6407 (50 ml Dg tube)
Uncorrected Temperature	96c Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-111539-1
SDG No.: _____
Project: DEC Elmont546; Site: E130150

Client Sample ID	Lab Sample ID
<u>E2</u>	<u>460-111539-1</u>
<u>E4</u>	<u>460-111539-2</u>
<u>C5</u>	<u>460-111539-3</u>
<u>B4</u>	<u>460-111539-4</u>

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-111539-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture RL Date: 02/15/2007 17:07

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-111539-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture XRL Date: 01/01/2007 16:49

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		1	
Percent Solids		1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/04/2016 19:12 End Date: 04/04/2016 20:15

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			19:12																		
ZZZZZZ			19:12																		
ZZZZZZ			19:12																		
ZZZZZZ			19:12																		
ZZZZZZ			19:12																		
ZZZZZZ			19:12																		
ZZZZZZ			19:12																		
ZZZZZZ			19:12																		
ZZZZZZ			19:12																		
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ZZZZZZ			19:12																		
ZZZZZZ			19:12																		
ZZZZZZ			19:12																		
ZZZZZZ			19:12																		
ZZZZZZ			19:12																		
ZZZZZZ			20:15																		
ZZZZZZ			20:15																		
460-111501-A-2 DU	1	T	20:15	X	X																
460-111539-1	1	T	20:15	X	X																
460-111539-2	1	T	20:15	X	X																
460-111539-3	1	T	20:15	X	X																
460-111539-4	1	T	20:15	X	X																

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111539-1

SDG No.: _____

Batch Number: 360658 Batch Start Date: 04/04/16 19:12 Batch Analyst: Bordieri, Brian MBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-111501-A-2 DU		Moisture	T	204	0.96 g	5.67 g	5.20 g		
460-111539-A-1	E2	Moisture	T	205	1.00 g	8.13 g	8.00 g		
460-111539-A-2	E4	Moisture	T	206	1.01 g	8.83 g	8.32 g		
460-111539-A-3	C5	Moisture	T	207	0.99 g	9.38 g	8.98 g		
460-111539-A-4	B4	Moisture	T	208	1.00 g	7.58 g	7.28 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	04.04.16
Oven Temp In	106 Degrees C
Time samples were place in the oven	20:25
Date samples were removed from oven	4/5/16
Oven Temp Out	108 Degrees C
Time Samples were removed from oven	08:48
Oven ID	Oven #1
Thermometer ID	117036
Uncorrected In Temperature	106 Celsius
Uncorrected Out Temperature	108 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

Page 1 of 1

Shipping and Receiving Documents

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 2

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 2 of 2

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

Name (for report and invoice) THE HOFMANN		Samplers Name (Printed) FAH-SS		Site/Project Identification DC-Edmns 96 / SITE#E130150	
Company FAH		P. O. #		State (Location of site): NJ: <input type="checkbox"/> NY: <input checked="" type="checkbox"/> Other: <input type="checkbox"/>	
Address 285 Atlantic Ave		Analysis Turnaround Time Standard <input type="checkbox"/> Rush Charges Authorized For: 2 Week <input type="checkbox"/> 1 Week <input type="checkbox"/> Other <input checked="" type="checkbox"/> 24 HR		ANALYSIS REQUESTED (ENTER X BELOW TO INDICATE REQUEST)	
City PATRICK		State NY		Regulatory Program: <input type="checkbox"/> DKOP: <input type="checkbox"/>	
Phone 631-447-6400		Fax 631-447-6477		LAB USE ONLY Project No: 111639	
Sample Identification		Date	Time	Matrix	No. of Cont.
CS	4/4/16	1310	S	1	X
B4	4/4/16	1315	S	1	X
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH, 6 = Other WPPAS , 7 = Other _____					
Soil: 6 Water: 6					

Special Instructions **ATTEMPT TO RECOVER**

Water Metals Filtered (Yes/No)?

Relinquished by Shawn Galt	Company FAH	Date / Time 4/4/16 1330	Received by 1)	Company FAH
Relinquished by FAH	Company FAH	Date / Time 4/4/16 1310	Received by 2) Shawn Galt	Company FAH
Relinquished by FAH	Company FAH	Date / Time 4/4/16 1310	Received by 3)	Company FAH
Relinquished by FAH	Company FAH	Date / Time 4/4/16 1310	Received by 4)	Company FAH

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132),
Massachusetts (M-NJ312), North Carolina (No. 576)

111639

Cooler Temperatures

[illegible]

If pH adjustments are required record the information below:

Date: 7/9/03

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-111539-1

Login Number: 111539
List Number: 1
Creator: Rivera, Kenneth

List Source: TestAmerica Edison

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.	N/A	
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 #6
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 (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.